

California Regional Water Quality Control Board  
Central Valley Region

Pamela Creedon, Executive Officer



EXECUTIVE OFFICER'S REPORT  
April 21, 2016

---

ITEMS IN THIS REPORT

SUCCESS STORIES .....	2
STAFF RECOGNITION .....	8
PERFORMANCE TARGETS.....	11
ENFORCEMENT.....	12
SANITARY SEWER OVERFLOWS AND COMPLAINTS.....	16
DELTA ACTIVITIES.....	18
TMDL BASIN PLANNING .....	21
SALINITY AND CV SALTS .....	22
DAIRIES.....	24
OIL FIELDS.....	25
GROUND WATER STRATEGY .....	27
IRRIGATED LANDS REGULATORY PROGRAM (ILRP) .....	30
NON POINT SOURCE.....	38
GRANTS .....	39
GENERAL.....	40
PUBLIC OUTREACH.....	41
PERSONNEL AND ADMINISTRATION.....	45
FUTURE BOARD ACTIVITIES.....	50
SIGNIFICANT POLICIES, PLANS AND PERMITS TABLE .....	53

## SUCCESS STORIES

### **Notice of Applicability**

From 16 January to 16 March, 28 Notices of Applicability were issued to growers in the Tulare and Western Tulare Lake Basin Area, which confirmed the enrollment of 4,752 irrigated acres. Applications for coverage were submitted voluntarily by many growers, as well as in response to enforcement activities conducted by Regional Water Board staff.

On 26 February, formal enforcement was averted, compliance was obtained, and staff time was saved by the use of a “last chance” phone call to two Sacramento Valley growers with orchards of 152 and 78 acres. The growers promptly obtained regulatory coverage after receiving a phone call from staff, and thus avoided receiving an Administrative Civil Liability Complaint and a potential fine.

A third grower, who staff was unable to reach for a “last chance” phone call, was contacted by a Sacramento Valley Water Quality Coalition representative. The grower promptly contacted Board staff and enrolled his 79-acre orchard in the Coalition, thus averting formal enforcement.

From 16 January to 16 March, 28 Notices of Applicability were issued to growers in the Tulare and Western Tulare Lake Basin Area, which confirmed the enrollment of 4,752 irrigated acres. Applications for coverage were submitted voluntarily by many growers, as well as in response to enforcement activities conducted by Regional Water Board staff.

On 26 February, formal enforcement was averted, compliance was obtained, and staff time was saved by the use of a “last chance” phone call to two Sacramento Valley growers with orchards of 152 and 78 acres. The growers promptly obtained regulatory coverage after receiving a phone call from staff, and thus avoided receiving an Administrative Civil Liability Complaint and a potential fine.

A third grower, who staff was unable to reach for a “last chance” phone call, was contacted by a Sacramento Valley Water Quality Coalition representative. The grower promptly contacted Board staff and enrolled his 79-acre orchard in the Coalition, thus averting formal enforcement.

Under the Irrigated Lands Regulatory Program, management plans are triggered when samples collected from a site is 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.

### ***IRRIGATED AGRICULTURE – SUCCESSFUL COMPLETION OF IMPLEMENTED MANAGEMENT PLANS***

- **East San Joaquin Water Quality Coalition**

On 4 December 2015, the Executive Officer approved the completion of 12 management plans for the East San Joaquin Water Quality Coalition (Coalition), including five for toxicity, three for pesticides, two for lead, and two for dissolved oxygen. In addition, completion of 18 management plans was approved on 25 March 2016, including five for toxicity, six for pesticides, six for lead, and one each for pH and conductivity. The implemented management plans successfully eliminated water quality problems caused by discharge of agricultural pollutants into surface receiving waters. The Coalition held multiple member meetings and conducted targeted outreach to individual growers to provide general and site-specific guidance regarding practices to protect water quality. Examples of new practices implemented by growers include shutting off outside nozzles when spraying; maintaining filter strips; reducing pesticide use; using efficient irrigation methods; and constructing tail water retention/return systems. Water quality analyses showed that receiving water limits were met, demonstrating the effectiveness of implemented practices.

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

On 18 December 2015, the Executive Officer approved the completion of 20 management plans for the San Joaquin County and Delta Water Quality Coalition (Coalition). The majority of the management plans were implemented to eliminate pesticide and toxicity water quality problems caused by the discharge of

agricultural pollutants into surface receiving waters. The Coalition held multiple member meetings and conducted targeted outreach to individual growers to provide general and site-specific guidance regarding practices to protect water quality. Examples of new practices implemented by growers include grassed waterways, reduced pesticide use, efficient irrigation methods, use of PAM, and tail water retention/return systems. Water quality analyses showed that receiving water limits were met, demonstrating the effectiveness of implemented practices.

#### ***SITE CLEANUP-SUCCESSFULLY CLOSED-NO FURTHER ACTION REQUIRED***

- **Houston Avenue Landfill, Area SA3, Hanford, Kings County**

A no further action determination was issued on 9 February 2016 for soil degraded by petroleum hydrocarbons and other refinery wastes. Multiple assessments were conducted to delineate the extent of impacted soil. A bioventing system was run to remediate heavier hydrocarbons. Monitoring wells were installed and no constituents of concern were discovered above water quality goals. Trinity Source Group, Inc., the responsible party's consultant, stated that any remaining impacted soil is expected to degrade naturally and does not pose a threat to human health and safety or the environment. Staff concurs. Regional Board staff issued a public notice for closure of the site. No comments were received. (JA)

- **Port of Ivory, Reedley, Tulare County**

A no further action determination was issued on 18 March 2016 for petroleum hydrocarbon degraded soil at Port of Ivory, 6801 Avenue 430, Reedley, Tulare County. Soil degraded by petroleum hydrocarbons from a release from a dispenser was discovered during a site assessment. The degraded soil was excavated and transported offsite for disposal. Confirmation samples collected from the base and sides of the excavation met site cleanup goals. Moore Twining Associates, Inc., the responsible party's consultant, stated that no further remediation was necessary and recommended closure of the site. Staff concurs. Any remaining impacted soil is expected to degrade naturally and does not pose a threat to human health and safety or the environment. Regional Board staff issued a public notice for closure of the site. No comments were received. (JA)

- **Natomas Air Park Parcel 30, 3801 Airport Road, Sacramento, Sacramento County.** A general aviation airport operated at Natomas Air Park on six parcels between about 1945 and 2000. In 1982, an underground fuel tank was discovered to have been leaking, and in 1994, pesticide residue was found in soil along the airstrip. Beazer Homes conducted several rounds of remediation, including excavating and disposing of about 12,300 tons of soil polluted with toxaphene, DDT, and fuel compounds in 2006, and operating a soil vapor extraction system between 2005 and 2008. In 2015 an additional 38 cubic yards of soil containing oil residue were excavated. No Further Action status was attained by two parcels in 2006, two additional parcels in 2009, and one, Parcel 30, in 2016. The final parcel, Parcel 32, has not yet received a no further action determination. Groundwater has not contained pesticides since 2006, and fuel pollutants are expected to reach water quality objectives this year.

- **1922 & 2040 West Washington Street, Stockton, San Joaquin County.** A farmer's cooperative operated a retail agricultural supply company from the property at 2040 West Washington Street between about 1945 and 1987. In 1990, the responsible party removed a 1,000 gallon fuel tank, excavated and disposed of about 127 tons of soil containing toxaphene, and disposed of 55 drum containers and storage trailers. Benzene remains in groundwater in concentrations between less than 1 ug/L and 5 ug/L. The water quality objective for benzene is 1 ug/L. The water quality objective is expected to be consistently met in a few years. When the monitoring wells are destroyed, the site will receive the No Further Action Determination Date.

#### ***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**

- **James Repair Shop, 1762 “B” Street, Fresno, Fresno County**  
The site is currently occupied by a vacant service station/auto repair building. In March 1989 four USTs were removed from the site and gasoline detected in soil. The Fresno County Department of Health referred the case to the Water Board in September 2007. A site investigation conducted in June 2015 did not detect any gasoline in soil and it appears that the gasoline naturally degraded. The case satisfies the criteria of the State Water Resources Control Board’s Low-Threat Underground Storage Tank Case Closure Policy, and was closed on 6 January 2016.
- **Former Garriot Crop Dusting, 2014 South Union Avenue, Bakersfield, Kern County**  
The site was a private aviation fueling facility at the Bakersfield Municipal Airport and property use remains commercial. During 2000 UST system removals, gasoline was detected in soil. Site assessment during 2014 determined that contaminants migrated less than 65 feet vertically and as much as 24,000 pounds (~3,870 gallons) of hydrocarbons remained in the subsurface. Groundwater is at greater than 200 feet bgs, and was not affected. The case satisfies the criteria of the State Water Resources Control Board’s Low-Threat Underground Storage Tank Case Closure Policy, and was closed on 10 February 2016.

b) **REDDING OFFICE**

- **Former USA Gasoline SS #205, 2014 Oro Dam Boulevard, Oroville, Butte County, Case No. 040175**  
The site is an active retail gasoline station that was upgraded in June 2012, when two underground storage tanks (USTs) were removed and replaced and one gasoline UST was closed in place. An unauthorized release from USTs was reported in October 1996. Between March 2005 and July 2008, dual phase extraction removed approximately 20,125 pounds of total petroleum hydrocarbons as gasoline, 690,182 gallons of impacted groundwater, and 16.12 pounds of free product. An additional 22.6 pounds of vapor phase hydrocarbons and 2,250 gallons of impacted groundwater were removed during a five-day dual phase extraction event in January 2013. A groundwater monitoring program consisting of eleven groundwater monitoring wells was implemented between 1998 and the first quarter of 2015. The most recent data show that all water quality objectives have been achieved for all constituents except within the source area. Although up to 0.03 feet of measurable free product is still present in source area wells MW-1 and ES-1, the plume is limited to the source area, does not extend offsite, and has been stable for more than five years. Furthermore, there are no public water supply wells or surface water bodies within 1,000 feet of the defined plume boundary. Staff closed the case under the Low-Threat Closure Policy in February 2016.

c) **SACRAMENTO OFFICE**

- **Former Beacon # 3692 (Tesoro # 67075), 975 South Main Street, Lakeport, Lake County**  
In 1994 Ultramar Inc. removed two USTs and discovered that an unauthorized release of petroleum had occurred from its system. Since 1994, Ultramar and Tesoro have conducted a subsurface investigation and remediated petroleum impacts to the subsurface. Tesoro estimates they destroyed or removed about 4,226 pounds (~680 gallons) of hydrocarbons through soil vapor extraction, oxygen injection, and excavation. The remaining petroleum pollutant plume extends about 100 feet south of the former leaking USTs, is decreasing in size, and is expected to continue to degrade with time. The site was closed on 11 February 2016.

- **Circle K Store No. 05018, 1021 Shaffer Road, Atwater, Merced County**  
During due diligence sampling in 2004, elevated concentrations of petroleum hydrocarbons were detected in the area of the dispenser island. Five groundwater monitoring wells were installed at the site. In 2012 a soil vapor extraction (SVE) test was performed and it was determined that SVE would not be an effective remedial approach. Monitored petroleum hydrocarbon concentrations in groundwater have steadily decreased over time. The site meets the criteria for closure under the Low Threat Closure Policy and was closed 21 January 2016.
- **General Mills Facility, 2000 West Turner Road, Lodi, San Joaquin County**  
In 1988, General Mills removed one diesel UST and discovered that an unauthorized release of petroleum had occurred from its system. A subsurface investigation revealed that petroleum impacts to groundwater extend about 100 feet southwest of the former leaking UST. General Mills removed approximately 120 pounds of petroleum from the subsurface via soil vapor and groundwater extraction. The petroleum pollutant plume is decreasing in size and constituent concentrations as a result of active remediation and natural degradation. The site was closed on 29 December 2015.
- **Stockton Metropolitan Airport, 5000 South Airport Way, Stockton, San Joaquin County**  
From August 1987 to July 1997, 25 USTs containing aviation gasoline, jet fuel and diesel were removed at multiple locations across the airport, including the fuel farm. Groundwater pollution at the fuel farm was defined laterally 160 feet down-gradient and vertically to 104' below ground surface. Concentrations of petroleum constituents are decreasing and water quality is expected to reach MCLs in about 4 years. The site was closed on 6 January 2016.
- **Circle K #1205, 16470 Cambridge Road, Lathrop, San Joaquin County**  
In November 1997, one 4,000-gallon and two 10,000-gallon gasoline USTs were removed at the site. Over-excavation removed about 1,240 tons of petroleum impacted soil and 17,000 gallons of groundwater. Dual phase extraction removed 613 pounds (~93 gallons) of petroleum hydrocarbons from the subsurface. Post remedial groundwater monitoring showed groundwater pollution extends about 400 feet offsite under Cambridge Road. Water quality is expected to reach MCLs in about 20 years. The site was closed on 4 February 2016.
- **Kevin's Downtown Automotive (former D.T.'s Stop) 417 South Washington Street, Sonora, Tuolumne County**. In May 1993, three gasoline and one waste oil tanks were removed from the site. Prior to the tank removals, grab groundwater samples were collected and a release of petroleum hydrocarbons was discovered. A second waste oil tank was removed in August 1993. After multiple phases of investigation and remediation, about 1,900 pounds (~310 gals.) of petroleum were removed by vapor extraction. Groundwater in the area will remain impacted by petroleum constituents until 2027. The site meets the LTCP and was closed on 31 December 2015.

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

**Sacramento County**

Exxon #7-0239, 8696 Greenback Lane, Orangevale

**Solano County**

ARCO Service Station No. 2067, 310 Orange Drive, Vacaville  
Former Shell Station, 1611 East Monte Vista Avenue, Vacaville  
7-Eleven Store #221-24248, 1091-1097 East Monte Vista Avenue, Vacaville

**Tulare County**

- Big D Liquor, 699 South Plano Street, Porterville
- Souza Property, 6820 Avenue 216, Tulare

## SUPERIOR ACCOMPLISHMENT AWARDS

At the February 18/19 Board meeting, Executive Officer Pamela Creedon presented the Superior Accomplishment awards to the following staff:

### SACRAMENTO OFFICE

**Candidate:** James Marshall  
**Unit:** NPDES Unit  
**Title:** Senior Water Resources Control Engineer  
**Supervisor:** Nichole Morgan

Jim Marshall has been the senior engineer in the Sacramento office in charge of the San Joaquin Delta permitting unit for over 12 years. He has been a key senior in the NPDES permitting section, taking the lead in complex surface water permitting concerns and providing guidance to program leads throughout the region. Jim's unit has taken the lead in permitting of Sacramento Regional County Sanitation District's discharge to the Sacramento River, the largest inland surface water discharge west of the Mississippi River. Under Jim's leadership the board has successfully worked with the District to require upgraded treatment levels to full tertiary and nitrogen removal. This upgrade will substantially improve water quality in the Sacramento River and Delta.

Jim's unit has also been tasked with fast tracking a permit for allowing the cities of Modesto and Turlock to recycle water instead of discharging to the San Joaquin river. Under Jim's leadership, the permit will be brought before the board 4-months earlier than originally planned. Jim is a dedicated member of the region's NPDES program and his technical knowledge, expertise, and management qualities are greatly appreciated. Furthermore, Jim has a professional and kind approach to managing staff and working with permittees that makes him fun to work with, and truly an asset to the Central Valley Water Board. He is well deserving of this award, and I look forward to working with Jim in the years to come.

### FRESNO OFFICE

**Candidate:** Jeff Pyle  
**Unit:** Non-15 Waste Discharge Requirements Unit  
**Title:** Engineering Geologist  
**Supervisor:** Scott Hatton

Jeff has been an Engineering Geologist in the Fresno office for 10 years and has been a valuable asset to the Non-15 Waste Discharge Requirements (WDRs) Unit in the Fresno office. Jeff's recent work included finalizing two WDRs for the December 2015 Board meeting. The first WDRs were for the use of oil field produced water for irrigation and groundwater recharge. This work included reviewing the Report of Waste Discharge submitted by the Discharger, drafting WDRs for management and public review, summarizing comments received and revising the WDRs, and preparing a presentation of the project for the Board meeting. This was a highly publicized topic that required incorporating recent legislation for the use of oil field produced water. Jeff's hard work and commitment were valuable at completing the WDRs on schedule.

The second WDRs were completed because Jeff volunteered to finish them for disposal of agricultural drainage to evaporation basins. Jeff completed incorporating comments received from the Discharger and another public agency, circulated the WDRs for public review, summarized comments received, and revised the WDRs. Jeff was able to get these WDRs on the uncontested calendar for the Board meeting.

After finishing these two projects, Jeff began drafting another set of tentative WDRs for domestic wastewater from a state prison and a nearby dairy facility. Jeff was able to identify potential issues with the discharge and coordinated resolving them with management and staff.

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

**Candidate:** Lynn Coster  
**Unit:** Irrigated Lands  
**Title:** Environmental Scientist  
**Supervisor:** George Day

Lynn is receiving the Superior Accomplishment Award for her outstanding work in the Irrigated Lands Regulatory Program. Lynn is an Environmental Scientist in the Redding office. She serves as the liaison to the Sacramento Valley Water Quality Coalition (SVWQC), a third-party group that represents growers in the Sacramento River Watershed. The role includes maintaining a positive relationship and providing outreach to the thirteen sub-watersheds that constitute the SVWQC through monthly Coalition meetings as well as local grower meetings. Lynn has reviewed monitoring plans, management plans, and numerous reports submitted by the Coalition as a requirement of the program. Lynn has taken an active lead in scheduling meetings and opening communication between the Coalition and the Central Valley Water Board.

Lynn has also participated in several watershed projects with other Redding staff members. Recently she co-authored a status report that provides an overview of water quality for the Northern Sacramento and Feather River watersheds. She has also taken a lead role in developing and implementing a comprehensive watershed assessment program for the Clover Creek, Oak Run, and South Cow Creek drainages, which are all on the section 303(d) list for fecal coliform.

Lynn is an outstanding employee. She accepts her role as the Irrigated Lands Regulatory Program staff with enthusiasm and she is respected by the regulated community and her peers.

**Candidate:** Trey Sherrell  
**Unit:** Cannabis Regulatory and Enforcement Unit  
**Title:** Environmental Scientist  
**Supervisor:** Clint Snyder

Trey is an Environmental Scientist in the Redding office and is receiving the Superior Accomplishment Award for his outstanding work in the Cannabis Regulatory and Enforcement Unit. Trey was one of four staff hired in October 2014 to develop and implement the Marijuana Pilot Program; a joint agency effort between the State and Regional Boards and the California Department of Fish and Wildlife to combat impacts to water quality and wildlife resulting from cannabis cultivation.

During the past year Trey worked to develop solid and productive relationships with Department of Fish and Wildlife wardens and staff, State Board attorneys, local agency representatives, and numerous stakeholders and stakeholder groups. Trey took a lead role in developing the Unit's first enforcement action which resulted in an administrative civil liability order in June 2015. Trey then turned his attention to region-wide stakeholder meetings and drafting the Board's *General Waste Discharge Requirements for Discharges of Waste Associated with Medicinal Cannabis Cultivation Activities*, which the Board adopted in October 2015. Preparing the General Order for the Board's consideration during the Pilot Program's first year was a lofty goal, to which Trey can largely be credited for.

In an effort to bolster his credentials with regard to the issues facing the Program, Trey also took the necessary courses and obtained the following certifications: 1) Certified Professional in Erosion and Sediment Control, 2) Certified Professional in Storm Water Quality, 3) Qualified SWPPP Practitioner and 4) Qualified SWPPP Developer during this past year.

Trey has quickly become a productive and well respected employee in the Redding office. Management appreciates all of his efforts, his work ethic and his positive demeanor.

## STAFF RECOGNITION

### EMPLOYEE OF THE MONTH AWARDS

#### FEBRUARY 2016 SACRAMENTO OFFICE

**Candidate:** Susan Fregien  
**Unit:** Irrigated Lands/Monitoring Unit  
**Title:** Senior Environmental Scientist  
**Supervisor:** Sue McConnell

As the supervisor of the monitoring and implementation unit, Susan Fregien is instrumental to the success of the Irrigated Lands Program. In addition to supervising all staff members who oversee coalition activities, Susan has taken on the complicated issue of appropriately regulating managed wetlands within the Program. Susan is tremendously organized and efficiently oversees the review of the multiple coalition work products as well as a number of agricultural general order revisions. Also, her work on the wetlands efforts has won her praise from Board members and outside interested parties.

Susan's dedication to and knowledge of the Irrigated Lands Program is deeply appreciated by her Program Manager and executive management. She is integral to the effectiveness of the Program and for this and so much more Susan Fregien is being recognized as the employee of the month.

**Candidate:** Amy Ha  
**Unit:** Title 27 Permitting and Mining Unit  
**Title:** Water Resources Control Engineer  
**Supervisor:** Marty Hartzell

Amy Ha joined the Water Board in the Title 27 Permitting and Mining Unit in February 2015. Amy came to us from Golder Associates, where she had over ten years' experience managing landfill and mine sites, and she has been an excellent addition to the Title 27 Permitting Team. Amy is organized and hardworking, and she has taken the initiative to improve processes within the Title 27 Unit, including template updates. Amy works well with staff, dischargers, and consultants, she is courteous and professional, and always has a positive, team-orientated attitude.

Over the last year, Amy has updated three Title 27 permits which were later adopted by the Board, and she has two additional permits scheduled for the June Board meeting. Of these five permits, one was for the Sacramento Regional WWTP where the plant is processing sludge in sediment basins and land applying the sludge to dedicated land disposal units. This permit was beyond the ordinary revision and Amy had to blend in Title 27 and Non-15 requirements to address this complicated site.

A second permit which is scheduled for the June meeting is the Royal Mountain King Mine in Calaveras County. This site has an active NPDES Permit for discharging water from the former mine pit, and it was recently granted a Basin Plan Amendment to de-designate groundwater below the footprint of the mine site. Amy will have her hands full working to craft these WDRs to meet Title 27 and other permit requirements.

#### FEBRUARY 2016 REDDING OFFICE

**Candidate:** Daniel Warner  
**Unit:** Stormwater and Water Quality Certification Unit  
**Title:** Water Resources Control Engineer  
**Supervisor:** George D. Day

Daniel Warner is a Water Resources Control Engineer working in the Redding office's Water Quality Certification Program. Dan has worked in numerous regulatory programs with the Water Boards in the past 16 years including NPDES, WDRs permitting and Enforcement. He has brought expertise and his 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 90 water quality certifications since July 2015. We appreciate his hard work.

Daniel Warner is a Water Resources Control Engineer working in the Redding office's Water Quality Certification Program. Dan has worked in numerous programs with the Water Boards over the past 16 years including NPDES, WDRs permitting, and Enforcement. He brought his expertise and time management skills to the Water Quality Certification program in September 2014, where he has excelled in reducing the number of back-logged water quality certification applications for the Sacramento Office in a region wide work load sharing effort. Dan's primary role is writing water quality certifications for the Sacramento Office out of Redding and he has written over 90 water quality certifications since July 2015.

Dan was also lead enforcement staff on the Orland Sand & Gravel enforcement case, where it took several attempts to serve Mr. Bogart with an inspection warrant. The case is still in litigation by the Water Board & the California Attorney General office.

Dan is an asset to the Water Quality Certification and enforcement program. His knowledge of the California Water Code and other regulations is greatly appreciated.

#### **FEBRUARY 2016 FRESNO OFFICE**

**Candidate:** Rebecca Asami  
**Unit:** Oil Fields  
**Title:** Engineering Geologist  
**Supervisor:** Ron Holcomb

Rebecca consistently turns out an abundance of high-quality work with a positive and professional attitude.

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.

#### **MARCH 2016 REDDING OFFICE**

**Candidate:** Guy Chetelat  
**Unit:** Non-Point Source Unit  
**Title:** Engineering Geologist  
**Supervisor:** George Day

Guy Chetelat is an Engineering Geologist working in the Non-Point Source Unit. Guy has been instrumental in investigating pollutants (lead & sediment) sources at unregulated legacy sites such as gun ranges & power line corridors. He is working closely with the land owners to address pollutant run-off from these sites with appropriate stormwater best management practices.

A few years ago Tom Howard sent out an email to Water Board staff asking us to think about potential sources of water-pollution that we might be missing. Well Guy thought that shooting ranges and power-line corridors had

that potential. He made the case to look at these sites in his non-point source work plan. Based on sampling results and public input, it is now clear many of these sites need better storm-water management. Because they aren't construction or industrial sites, existing general permits don't apply to these legacy features. Other regulatory options include numerous inspections, enforcement actions or development of new permits, which were not appealing options for staff or dischargers. So Guy is trying a third way. He is undertaking two approaches: assessment followed by request for storm-water control measures when needed at shooting ranges; and review and improvement of power-line corridor maintenance programs for the power companies. To date Guy has looked into approximately 30 shooting ranges and is working with Western Area Power Authority (WAPA), Pacific Gas & Electric Company (PG&E) and Redding Electric Utility (REU) to improve power-line corridor maintenance practices. For the most part, responsible parties have been receptive and cooperative, and significant improvements have been made. Guy's work on these potentially controversial sites and his contributions to the protection of water quality are greatly appreciated.

**MARCH 2016  
FRESNO OFFICE**

**Candidate:** Kristen Gomes  
**Unit:** Title 27  
**Title:** Water Resources Control Engineer  
**Supervisor:** Daniel Carlson

Kristen's consistently high output and professional work product greatly contributes to the success of the Title 27 Program and our organization.

During the previous month, project tasks that came to fruition include:

1. Clean Harbors, Buttonwillow Facility, Class I hazardous waste disposal site – Review of the CQA Report for closure of WMUs 35, Module 3 and the CQA report for construction of Module 5. This includes on-going issues with the geomembrane destruction testing;
2. Fairmead Landfill – Reviewed report evaluating the Detection Monitoring Program;
3. Review of 2<sup>nd</sup> Semi-Annual and Annual 2015 groundwater monitoring reports for various facilities, including the need for some sites to address declining groundwater levels, such as the Woodlake Landfill; and
4. Assisted other staff, both within and outside the Title 27 Unit, with the review of CQA Plans and Specifications and technical reports.

Kristen consistently maintains a cheerful and professional demeanor. She accomplishes tasks well and on time. She also readily assists non-registered engineering and other staff sharing her knowledge and experience to help develop their professional skills. Kristen's recent and sustained efforts in the performance of her assigned duties make her a valuable addition to our organization.

## PERFORMANCE TARGETS

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

Below is the Region 5 Performance Measurement Summary for the 2015-16 fiscal year. This report was produced with data through 71% of the current fiscal year.

<b>Region 5 Performance Measurement Summary from 1 July 2015 to 16 March 2016</b>						
Programs	Original Target	* Actuals: Permits or Facilities Inspected	% Complete = Actuals/Original Target	Revised Target	** Total # of Inspections Performed	Comments
<b>NPDES Wastewater</b>						
Major Individual Permits Issued, Revised, and Renewed	12	5	42%	n/a	n/a	On target to meet goal with three permits scheduled for the April and four for the June Board Meeting.
Major Individual Facilities Inspected	29	19	66%	n/a	20	
Minor Individual Permits Issued, Revised, and Renewed	9	3	33%	n/a	n/a	Projected to adopt eight minor permits this FY. Three minor permits were rescinded, one was moved to next FY, and one was traded for a major permit.
Minor Individual Facilities Inspected	14	16	114%	n/a	17	
Minor General Enrollees Facilities Inspected	0	0	N/A	n/a	0	
<b>Waste Discharge to Land – Wastewater</b>						
Municipal Waste, Industrial Waste, and All Other Facilities - Permits Past Review Date Updated	27	14	58%	24	n/a	An additional 8 WDRs are scheduled for April and 4 for June, which will bring the total to 24 for the year. This is short of the target of 27 for the year. WDR permitting has experienced some extended vacancies and leave that has affected production of WDRs. The units are now fully staffed and production is up.
Municipal Waste, Industrial Waste, and All Other Facilities - Number of Inspections	224	81	40%	n/a	89	
<b>Land Disposal</b>						
Landfills Permits Issued, Revised, and Renewed	10	4	40%	n/a	n/a	Landfill permits at 40% is correct. The schedule is: +3 for April, and +3 for June.
Landfill Inspections	69	74	119%	n/a	82	Compliance and Enforcement staff have been completing a lot of inspections, and we will definitely exceed our original target.
All Other Permits Issued, Revised, and Renewed	2	1	50%	n/a	n/a	For Mines, 2 WDRs are proposed, one was completed in July 2015, and the second is proposed for June 2016.
All Other Inspections	50	19	40%	n/a	20	A lot of our mine inspections occur in the spring after precipitation events, therefore, staff are confident that we will attain our targeted inspection number.
<b>NPDES Storm Water</b>						
Stormwater Construction Inspections	385	299	93%	n/a	357	The majority of inspections occur during the wet-weather season, and the frequency of inspections tapers off thereafter.
Stormwater Industrial Inspections	195	136	76%	n/a	148	
Stormwater Municipal Inspections	0	0	N/A	n/a	0	
<b>Other Programs</b>						
Timber Harvest Inspections	166	109	67%	n/a	112	
Confined Animal Facility Inspections	350	173	54%	n/a	188	Staffing vacancies have resulted in less inspections than anticipated.
<b>Clean Up</b>						
New DoD Sites Into Active Remediation	1	1	100%	n/a	n/a	
New SCP Sites Into Active Remediation	84	69	82%	n/a	n/a	
Cleanup Program Sites Closed	107	31	29%	n/a	n/a	
New UST Sites Into Active Remediation	39	29	74%	n/a	n/a	
Underground Storage Tank Sites Closed	90	79	88%	n/a	n/a	
* Actuals: Number of facilities inspected or permits issued.						
** Total #: Number of inspections completed including all reinspections.						

## ENFORCEMENT

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

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

### **\$258,000 in Mandatory Minimum Penalties Issued**

On March 28<sup>th</sup>, Regional Board Compliance and Enforcement staff issued 13 Administrative Civil Liability Complaints for assessment of mandatory minimum penalties totaling \$258,000. The Dischargers have until April 27<sup>th</sup> to pay the penalty and waive their right to a hearing. Otherwise, a hearing will be scheduled for the 23/24 June Board meeting. A list of the Dischargers assessed, along with the alleged violations, is as follows:

- City of Davis, Wastewater Treatment Plant – One biochemical oxygen demand violation.
- City of Galt, Wastewater Treatment Plant and Reclamation Facility – Four total recoverable copper violations and two arsenic violations.
- Linda County Water District, Wastewater Treatment Plant – Seven total coliform organism violations and one biochemical oxygen demand violation.
- Nevada County Sanitation District No. 1, Lake Wildwood Wastewater Treatment Plant – One total coliform organism violation.
- City of Nevada City, Wastewater Treatment Plant – One dichlorobromomethane violation and three total coliform violations.
- City of Rio Vista, Beach Wastewater Treatment Plant – One ammonia violation and two total coliform organism violations.
- City of Jackson, Wastewater Treatment Plant – Three total coliform organism violations and two pH violations.
- City of Stockton, Regional Wastewater Control Facility – One total chlorine residual violation.
- California Department of Corrections and Rehabilitation, Deuel Vocational Institution – 30 total coliform violations, three nitrate plus nitrite violations, and three ammonia violations.
- Steven, Ferrone and Bailey Engineering Company on behalf of Brookfield Emerson Land LLC, Emerson Ranch Construction Dewatering Project – Six total suspended solids violations and one pH violation.
- California Water Service Company, Stockton District Wide Potable Water System Maintenance Project – Two total suspended solids violations and one chlorine residual violation.
- East Bay Municipal Utility District, Pardee Reservoir Recreation Area Water Treatment Plant – One total chlorine residual violation.
- San Francisco Public Utilities Commission, Lower Cherry Aqueduct Mobile Plant Project - Eight total chlorine residual violations and one total suspended solids violation.

### **Proposed Settlement for Construction Storm Water Case**

Board staff has reached a proposed settlement with the Stamas Corporation for alleged violations of the Construction Storm Water General Permit at the company's Gold Country Village project in Grass Valley. Board

staff alleged the company violated the permit's requirements by failing to install erosion control best management practices (BMPs) and failing to maintain sediment control BMPs at the construction site. The settlement provides for a \$90,000 liability against Stamas Corporation with half paid to the Board and half going to a Supplemental Environmental Project (SEP). The SEP will be administered by the Rose Foundation and conducted by the Sierra Fund. The settlement will be posted for a 30-day public comment period before final consideration by the Board.

### Valley Fire Response Support

Board staff from the Storm Water and Nonpoint Source Programs continues to support the Big Valley Band of Pomo Indians' post-fire monitoring effort to assess potential water quality impacts from the 2015 Valley Fire in Lake County. Big Valley's Environmental Protection Department staff completed sampling events in December, January, and March of storm flows in Kelsey Creek and a reference creek above Clear Lake. The March sampling added Putah Creek and a reference creek above Lake Berryessa. Analytical results for the December and January samples on Kelsey Creek, which drains a portion of the Valley Fire burn area, were consistent with data from the reference creek, which does not drain the Valley Fire area. Results for the March samples are pending and additional sampling on Putah Creek is planned. The laboratory work is being funded by the Board's existing laboratory contract. Board staff will continue to provide technical and logistical support as needed.

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

**Enforcement Table 1** – Region 5 Enforcement Orders (21 January through 18 March 2016)

Action Date	Agency	County	Summary
1/21/2016	Bud's Dry Cleaning	Placer	California Water Code (CWC) Section 13267 Investigative Order to prepare and submit a Site Historical Activity Report, a Remedial Investigation Work Plan, and a Remedial Site Investigation Report.
1/22/2016	JND Thomas Co., Inc	Kings	Cleanup and Abatement Order (CAO) R5-2016-0704 requiring submittal of technical reports in the matter of unauthorized discharges: of cheese process wastewater and/or dissolved air flotation cheese sludge, and dewatered pond solids.
1/22/2016	Vacant Building (Mendota, California)	Fresno	CWC Section 13267 Investigative Order to investigate the extent of petroleum hydrocarbon impacts to soil and groundwater at the Site.
1/25/2016	Original Sixteen to One Mine, Inc.	Sierra	Administrative Civil Liability (ACL) Complaint R5-2016-0511 for Mandatory Minimum Penalty (MMP) violations in the amount of \$6,000 for violations that occurred between 16 April 2015 through 30 September 2015.
1/25/2016	Cruiser Haven, Inc.	Contra Costa	Administrative Civil Liability (ACL) Complaint R5-2016-0501--recommended for the amount of \$100,000--for failing to submit monitoring reports as required by Waste Discharge Requirements Order 5-01-093 and failing to submit a technical report required by a CWC Section 13267 Investigative Order.
1/25/2016	Gurcharan & Balwinder Rakkar (Trustees)	Madera	ACL Complaint R5-2016-0505 issued in the amount of \$70,980 for failure to comply with a CWC Section 13260 Directive.
1/27/2016	Madera Cleaners and Laundry	Madera	CWC Section 13267 Investigative Order to conduct site characterization activities including collecting groundwater and vapor samples for all constituents of concern and submitting a report to the Central Valley Water Board.
1/27/2016	Chowchilla Cleaners	Madera	CWC Section 13267 Investigative Order to submit a Remedial Investigation Work Plan to the Central Valley Water Board within 180 days of the effective date of the Order.

Enforcement Table 1 (cont.)

Action Date	Agency	County	Summary
1/27/2016	Shasta County Service Area (CSA) #17	Shasta	ACL Complaint R5-2016-0507--in the amount of \$18,000--for MMP violations that occurred between 11 November 2014 and 28 February 2015.
1/27/2016	Mike Logoluso Farms	Madera	CWC Section 13267 Investigative Order requiring the Discharger to submit a Work Plan to investigate the extent of petroleum hydrocarbon impacts to soil and groundwater the Site to the Central Valley Water Board.
1/28/2016	McLennan Oil (aka William McLennan)	Kern	CAO R5-2016-0707 for discharges to disposal ponds in the Midway-Sunset Oil Field. The CAO requires a Work Plan and time schedule to determine whether the discharges can comply with applicable laws, policies, and regulations that would allow for the issuance of waste discharge requirements.
1/28/2016	Linn Operating, Inc.	Kern	CAO R5-2016-0706 for discharges to disposal ponds in the Midway-Sunset Oil Field. The CAO requires a Work Plan and time schedule to determine whether the discharges can comply with applicable laws, policies, and regulations that would allow for the issuance of waste discharge requirements.
2/1/2016	Alldrin Boatright, LLC	Stanislaus	CAO R5-2016-0702 issued to address potential for unauthorized erosion and sediment discharges and requiring a Sediment and Erosion Control Plan and a Completion Report; the latter to document site improvements to prevent sediment waste discharges.
2/2/2016	JKC3H8 Limited Partnership	Sacramento	Notice of Violation (NOV) and CWC Section 13267 Investigative Order requiring Technical Reports for Water Code violations observed during inspections.
2/9/2016	Sierra Pacific Industries Quincy	Plumas	ACL Complaint R5-2016-0506--in the amount of \$21,000--for MMP violations that occurred between 11 December 2014 and 28 February 2015.
2/10/2016	Aerojet Rocketdyne, Inc.	Sacramento	ACL Complaint R5-2016-0514 in the amount of \$30,000 for MMP violations that occurred between 1 November 2013 and 30 November 2015.
2/11/2016	CMO, Inc.	Kern	CAO R5-2016-0705 for discharges to disposal ponds in the Mitchell Lease in the Chico Martinez Oil Field. The CAO requires a Work Plan and time schedule to determine whether the discharges can comply with applicable laws, policies, and regulations that would allow for the issuance of waste discharge requirements.
2/17/2016	Former McKenry One Hour Cleaning	Sacramento	CWC 13267 Investigative Order in response to the identification of the Site as a source of chemicals commonly used in dry cleaning operations found to be polluting groundwater in the area.
2/18/2016	The Morning Star Packing Company, LP	Colusa	ACL Order R5-2016-0008--replacing ACL Complaint R5-2015-0549--in the amount of \$1,500,000 for violations of Waste Discharge Requirements Order R5-2013-0144 and for discharging waste and causing or permitting waste to be deposited where it is discharged into waters of the State of California.
2/18/2016	The Morning Star Packing Company, LP	Colusa	Cease and Desist Order (CDO) R5-2016-0007 requiring the Discharger to submit plans detailing how they will address violations observed by the Central Valley Regional Water Quality Control Board.
2/18/2016	Chester Public Utilities District	Plumas	CDO R5-2016-0005 establishing a time schedule to bring waste discharge into compliance with final effluent limits.
2/19/2016	Former Lime Kiln Site	El Dorado	CWC 13267 Investigative Order in response to the identification of the Site as a source of high pH waters leaching from the former lime rock processing facility found to be polluting soil and groundwater beneath the Site.
2/22/2016	Valley Water Management Company	Kern	CAO R5-2016-0708 for disposal ponds at the Kern Front No. 2 Treatment Facility in the Kern Front Oil Field. This CAO requires the Discharger to submit a Work Plan and time schedule to determine whether the discharges at this site can comply with applicable laws, policies, and regulations that would allow the issuance of waste discharge requirements.
2/23/2016	Daybreak Oil and Gas, Inc.	Kern	CAO R5-2016-0709 for disposal of petroleum production wastewater at the Black Satin Lease and Salisbury Lease. The CAO requires a Work Plan and time schedule to determine whether the discharges can comply with applicable laws, policies, and regulations that would allow for the issuance of waste discharge requirements.
3/7/2016	City of Taft	Kern	Stipulated Order R5-2016-0508 that settles ACL Complaint in the amount of \$250,000 with payment of \$130,000 and the remaining \$120,000 suspended pending completion of an Enhanced Compliance Action (ECA).

3) **Enforcement Update** – Enforcement Table 2, included below, summarizes the enforcement actions issued in all the Regions since the last EO Report (21 January through 18 March 2016). From a statewide perspective, Region 5 was responsible for 19% of all the enforcement actions tracked in CIWQS during this period including all of the CAOs and 18% of all ACLs.

**Enforcement Table 2 – Statewide Enforcement Actions (21 January through 18 March 2016)**

Region / Office	Enforcement Actions											Total
	VER	SEL	NOV	NNC	13267	TSO	CAO	CDO	EPL	ACL	SETCO	
1	0	0	0	0	0	0	0	0	0	1	1	2
2	0	0	0	0	4	0	0	0	0	3	0	7
3	1	1	4	0	0	0	0	0	1	2	0	9
4	0	0	68	21	0	1	0	0	10	11	0	111
5F	1	0	0	0	4	0	5	0	1	1	0	12
5R	10	0	2	0	0	0	0	1	0	2	0	15
5S	1	0	15	50	5	0	0	1	0	4	0	76
<b>RBS Total</b>	<b>12</b>	<b>0</b>	<b>17</b>	<b>50</b>	<b>9</b>	<b>0</b>	<b>5</b>	<b>2</b>	<b>1</b>	<b>7</b>	<b>0</b>	<b>103</b>
6T	0	12	0	27	0	0	0	0	0	1	0	40
6V	14	0	0	180	0	0	0	0	1	0	0	195
7	0	5	0	1	0	0	0	0	0	0	0	6
8	7	7	2	5	14	0	0	0	1	10	0	46
9	1	17	7	0	0	0	0	0	0	0	0	25
<b>Total</b>	<b>35</b>	<b>42</b>	<b>98</b>	<b>284</b>	<b>27</b>	<b>1</b>	<b>5</b>	<b>2</b>	<b>14</b>	<b>35</b>	<b>1</b>	<b>544</b>
<b>Enforcement Actions:</b>												
VER = Verbal Communication						CAO = Cleanup and Abatement Order						
SEL = Staff Enforcement Letter						CDO = Cease and Desist Order						
NOV = Notice of Violation						EPL = Expedited Payment Letter						
NNC = Notice of Non-Compliance (Stormwater)						ACL = Administrative Civil Liability						
13267 = Water Code Section 13267 Investigative Order						SETCO = Settlement - Court Order						
TSO = Time Schedule Order												

## SANITARY SEWER OVERFLOWS AND COMPLAINTS

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

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

#### Reedley Wastewater Treatment Facility, Fresno County

On 9 December 2015, the City of Reedley (City) reported a spill of raw sewage to the Governor's Office of Emergency Services (OES). The City estimated that 201,000 gallons of raw sewage was released to land from Manhole 872 across from 1128 South Reed Avenue. The spill was from a gravity-fed sewer line. The main point of the spill took place at Manhole 872. However, over time a suspected abandoned sewer bypass structure/pipe failed and sewage began to seep from another area to the west. The City built berms to contain the spill, but the berms failed and some sewage entered the Kings River. The City restored the berms and contained the remaining sewage, which was removed using a vacuum truck and contract septage hauler. Approximately 160,000 gallons of raw sewage was recovered using vacuum trucks, 81,000 gallons reached land and percolated into the underlying soil, and 40,000 gallons reached the Kings River. The line has been replaced and repaired. The manhole has been rebuilt and upsized, and approximately 40 feet of pipe downstream towards the Wastewater Treatment Facility has been replaced.

#### City of Oroville, Butte County

The City of Oroville (City) reported a 150,000 gallon sanitary sewer overflow (SSO) to the Governor's Office of Emergency Services (OES) on 17 December 2015. The SSO was discovered by the City on 17 December 2015 after receiving a telephone call from a citizen. City staff concluded that the overflow occurred over a three-day duration—beginning on 14 December 2015—and at a manhole located west of Acacia Avenue in Oroville and adjacent to Dry Creek. City staff jetted the manhole and recovered root debris at a downstream manhole on 17 December 2015. Water samples collected from Dry Creek downstream of the SSO on 18 December 2015 indicated that both total coliform and fecal coliform were greater than 1,600 MPN/100mL, with an ammonia concentration of 0.07 mg/L. The root debris that caused the SSO was promptly removed from the collection system, and the overflow was terminated on the same day that the City was notified (17 December 2015). The majority of the SSO volume entered Dry Creek and was not recovered.

#### City of Angels Wastewater Treatment Plant, Calaveras County

On 12 January 2016 staff with the City of Angels (City) reported a spill of tertiary treated waste water to OES and to the Central Valley Regional Board. The City reported that the spill was caused by a broken coupling in their spray field, and 71,554 gallons of tertiary treated effluent had been released to the spray field area. City staff estimated that approximately two-thirds of the spill volume was contained on site, which then percolated into the underlying soil by the time the leak was discovered. The remaining third (approximately 23,851 gallons) discharged beyond the City's irrigation field boundary and into a tributary to 6 Mile Creek (sometimes referred to as Indian Creek), which flows into New Melones Reservoir. Because the City's spray field operates on an automated system, the leak had ceased by the time it was discovered. The broken coupling has since been replaced.

Staff is considering enforcement actions for the above three spills. For this reporting period, there were **19** Category 1, **8** Category 2, and **418** 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](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 is responsible for responding to complaints related to water quality within the Central Valley Region as they are received by the online California Environmental Protection Agency (CalEPA) Environmental Complaint Form ([http://www.dtsc.ca.gov/database/CalEPA\\_Complaint/](http://www.dtsc.ca.gov/database/CalEPA_Complaint/)).

For the 2015 Calendar Year, the Central Valley Water Board received **142** complaints of which **140 (99%)** have been investigated and/or referred and closed. Investigations for the remaining **2** complaints are ongoing.

So far in 2016, the Central Valley Water Board has received **26** complaints from the database, of which **16** have been investigated and closed, or referred out to another environmental enforcement agency. Investigations for the remaining **10** complaints received this year are ongoing.

The CalEPA Complaint website and database are currently being updated to be more user-friendly. Central Valley Water Board staff is scheduled to test the new database on 25 March 2016 along with other Regional Board and State Board staff.

## DELTA ACTIVITIES

### 1. Delta Methylmercury Control Program

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

The Delta Science Program hosted a 3-day workshop in January to highlighting recent research in sources, factors controlling methylmercury production and accumulation, and management. Janis Cooke and Carrie Austin (San Francisco Bay Water Board) gave presentations on aspects of the mine remediation success and the Delta mercury TMDL. A second workshop is planned for June 2016.

Delta Methylmercury Control Study Progress Reports and other materials are available on the Water Board's Delta mercury TMDL

webpage: [http://www.waterboards.ca.gov/centralvalley/water\\_issues/tmdl/central\\_valley\\_projects/delta\\_hg/index.shtml](http://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/delta_hg/index.shtml)

### 2. Delta Mercury Exposure Reduction Program

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

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

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

The next quarterly community stakeholder meeting will be held on 13 April in Sacramento. Staff from The Sierra Fund will present on mercury exposure reduction outreach efforts in the Sierra Nevada.

A Request for Proposals has been released for a second round of small grants. There is \$40,000 in funding available to community organizations and Tribes to conduct mercury exposure reduction activities in the Delta. Applications are due 13 April. 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](http://www.cdph.ca.gov/HealthInfo/environhealth/water/Community%20Guide/presentation_html5.html)

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

The Delta RMP has continued collecting and analyzing pathogens, pesticides, and toxicity at several locations in the Delta.

In February 2016, the Sacramento Valley Water Quality Coalition was approved for Delta RMP participation. Thus far, 34 entities are participating in or funding the RMP.

In March 2016, the Delta RMP's webpage was redesigned with pictures, a timeline graphic, and quick reference menu. The feedback has been positive thus far.

The Nutrient Subcommittee met in February 2016 to develop a recommendation for the Technical Advisory Committee for nutrient-related work for FY 16/17. The subcommittee recommended that the RMP support a synthesis of existing data and models and monitoring at high frequencies during two sampling events to generate data suitable for mapping.

The Technical Advisory Committee (TAC) met in March 2016 to review the nutrients synthesis reports and provide recommendations for monitoring in FY16/17. Also, the TAC discussed the development of a prioritization process for monitoring pesticides and details of the FY16/17 monitoring Work Plan.

At the April 2015 Steering Committee (SC) meeting, several new SC members will be present to aid in the review of a draft Charter document for the program.

#### 4. **Delta Nutrient Research Plan**

The 2014 Delta Strategic Work Plan called for the development of a Nutrient Research Plan to determine how nutrient loads and concentrations affect several water quality problems present in the Delta and whether nutrient water quality objectives might be required in the future. Staff is working with a local Stakeholder and Technical Advisory Group (STAG) and coordinating with San Francisco Water Board's Nutrient Management Strategy process.

In preparation for developing the nutrient research plan, staff and the STAG identified the need for a white paper process to synthesize existing information and identify data gaps. White paper progress is as follows:

- The white paper and knowledge gaps document for cyanobacteria in the Delta have been accepted by the STAG as final. The white paper identifies five principal drivers of cyanobacteria blooms: water temperature, water clarity and irradiance, water residence time and stratification, nutrient availability, and salinity. Adequate nutrients are necessary to sustain a bloom, but are not likely the key to bloom initiation in the Delta.
- The macrophytes white paper has been accepted by the STAG as final. The macrophyte knowledge gaps document has been reviewed by the STAG, revised in response to STAG comments, and is expected to be considered at a spring STAG meeting. The macrophytes white paper authors stated that while nutrient controls may lower growth rates of macrophytes, management of nutrients alone is not expected to be sufficient to control macrophytes in the Delta.
- The modeling white paper has been accepted by the STAG as final. The white paper describes modeling goals, governance, estimated cost and a phased approach that builds on existing, mostly hydrodynamic (flow) models. No one model can incorporate all processes (e.g., flow, sediment transport, algal growth, nutrient cycling). The white paper describes the connections that should be made between models for hydrodynamics and others for water quality and biotic components.

The Nutrient Forms and Ratios white paper is expected to be completed in summer 2016. A two-day workshop is planned in conjunction with the white paper. The workshop will highlight research pertinent to two hypotheses of nutrients' role in phytoplankton growth. The workshop and white paper are being planned jointly by the Delta nutrient STAG and the San Francisco Bay Nutrient Management Strategy Steering Committee.

Estimated dates are as follows:

- Nutrient Forms and Ratios Workshop – summer 2016 (dates depend on availability of the panel members and key presenters).
- Draft nutrient research plan circulated for review – Nov. 2016
- Review by stakeholders and State Water Board's nutrient external review panel – tentatively Dec. 2016
- Presentation to Central Valley Water Board – tentatively February 2017

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

## **Meeting Participation**

On 5 January, Christine Joab participated in a Delta Nutrient Research Plan Prioritization Workgroup meeting. This was the first meeting of the workgroup and participants discussed potential approaches for developing a prioritization process. One participant recommended the workgroup evaluate the Delta Regional Ecosystem Restoration Implementation Plan (DRERIP) process as a type of approach that could be considered by the workgroup for prioritizing research recommendations.

On 8 January, Christine Joab participated in a Delta Nutrient Research Plan Drinking Water Workgroup meeting. The meeting focused on reviewing the White Paper outline and discussing completed sections of the draft document. Participants were asked to submit comments on the draft text and the overall outline of the paper.

On 20 January, Jeanne Chilcott, Janis Cooke, and Christine Joab participated in a Nutrient Workshop Planning Subcommittee meeting. The purpose of the meeting was to discuss the draft Charge document for the Nutrient Forms and Ratios workshop and white paper.

On 1 March, Jeanne Chilcott, Janis Cooke and Christine Joab participated in a Delta Nutrient Research Plan Stakeholder and Technical Advisory Group (STAG) meeting. The meeting focused on the draft nutrient workshop Charge document and the acceptance of the Modeling White Paper. The STAG conditionally accepted the Charge document and approved staff to secure a white paper author from a list of candidates agreed upon by the Workshop Planning Subcommittee.

## TMDL BASIN PLANNING

### 1. Pesticide Basin Planning/TMDLs

On 28 January and 26 February, Danny McClure participated in workgroup meetings hosted by the State Water Board on the Urban Pesticides Reduction Statewide Framework being developed as part of the Strategy to Optimize Resource Management of Storm Water (STORMS). Other participants included representatives from California Department of Pesticide Regulation, the California Stormwater Quality Association, the State Water Board, and the Central Coast and San Francisco Water Boards. More information on this effort is available

at: [http://www.waterboards.ca.gov/water\\_issues/programs/stormwater/strategy\\_initiative.shtml](http://www.waterboards.ca.gov/water_issues/programs/stormwater/strategy_initiative.shtml)

On 22 February, Adam Laputz and Danny McClure attended a meeting hosted by the Department of Pesticide Regulation (DPR) on efforts to control pyrethroids and fipronil in urban streams. DPR, City of Roseville and Placer County Agricultural Commissioner's office staff presented their plans for a promising focused effort in the City of Roseville involving enhanced public education and enforcement of the DPR's urban pyrethroid water quality protection regulations (which apply to professional applicators) and discussed their plans for monitoring to assess effectiveness. DPR also discussed their plans for a regulatory response to water quality impacts from the insecticide fipronil in urban streams. The meeting included staff and management from the DPR divisions of registration, enforcement and surface water protection, the city of Roseville, the Placer County Agricultural Commissioner's office, the California Stormwater Quality Association, State Water Board, the Central Coast Water Board and San Francisco Water Board.

## SALINITY AND CV SALTS

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

The CV-SALTS Executive Committee policy discussions in February continued to focus on providing input on finalizing components of the draft Salt and Nitrate Management Plan (SNMP). There was a two day meeting with the first day focused on the technical basis for the draft Surveillance and Monitoring Program to demonstrate effectiveness of the SNMP, as well as, policy questions that will inform the final document. The second day focused on review of revisions recommended by the Executive Committee on a nitrate permitting strategy for groundwater that will be incorporated into the SNMP. On 16 February members of CV-SALTS Executive Committee provided the final Annual Progress Report to the State Water Board on CV-SALTS progress. The written report provided the required reporting elements on project schedule and budget, while the presentation focused on an overview of the SNMP implementation strategy and the challenges and concerns that CV-SALTS stakeholders are working through. The group is now finalizing policy recommendations and technical studies in preparation for a public workshop on 22 June.

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>

At the end of 2015, the CV-SALTS Lower San Joaquin River (LSJR) Committee completed its efforts to compile technical reports with recommendations to the Board in support of a Basin Plan Amendment (BPA) for salinity water quality objectives in the stretch of river between the Merced River and Vernalis. Although the LSJR Committee decided to finalize the reports, full consensus with all recommendations remained an outstanding issue. During the January monthly meeting the Committee's manager was to summarize these issues of disagreement and provide a brief report to the entire Committee. However, this did not occur and the Committee asked that the report be presented at the February meeting. The meeting has been delayed until April. The proposed BPA is scheduled for consideration by the Board later in 2016.

### 2. **CV-SALTS Meeting Participation**

On 21 January, Jim Brownell participated in the monthly meeting of the LSJR Committee which was conducted by conference call. Details of the final documents submitted by the Committee to the Central Valley Water Board staff were discussed.

On 29 January, Glenn Meeks participated in the SNMP Project Committee meeting which focused on draft SNMP language.

On 5 February, Glenn Meeks also participated in the Nitrate Implementation Measures Study (NIMS) Project Committee meeting to discuss the draft report.

On 12 February, Jeanne Chilcott and Pam Buford attended the CV-SALTS Executive Committee Administrative meeting which focused on administration and updates on technical projects progress, finalizing the Annual Report to the State Water Board, and status report on the draft for the SNMP Policy Sections.

On 24 and 25 February, Pamela Creedon, Karl Longley, Clay Rodgers, and Jeanne Chilcott, participated in the CV-SALTS Executive Committee Policy Meeting which focused on the Surveillance and Monitoring Plan draft deliverables, including a presentation on the technical basis for the deliverables and related policy questions. The second day focused on Nitrate Permitting Strategy for Groundwater.

On 24 February, Glenn Meeks participated in Technical Advisory Committee meetings which focused on higher resolution mapping work for groundwater quality in the Central Valley.

On March 1, Jeanne Chilcott provided an update on CV-SALTS and mechanisms being evaluated to provide safe drinking water at the California Department of Food and Agriculture (CDFA) Board meeting.

On 11 March, Pam Buford attended the CV-SALTS Executive Committee Administrative meeting which focused on administration and updates on technical projects progress, update on outcomes from Annual Report to the State Water Board, and status report on the draft for the SNMP Policy Sections.

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

Monthly staff meetings with representatives of the USBR were held on 27 January and 22 February. The USBR Annual Report for the 2015 calendar year was submitted on 26 January. Jim Brownell summarized Water Board staff comments on the report during the 22 February meeting. Future annual reports will present work completed during federal fiscal years rather than calendar years. This was done to align the reports with the USBR Annual Work Plans which are prepared for each fiscal year. Each Annual Report will be submitted 90 days after the end of the fiscal year and each Work Plan submitted for public review and comment 90 days before the beginning of the fiscal year.

On 29 January and 19 February, meetings of the USBR-sponsored Technical Research Team for development and implementation of a river salinity forecast model tool were held. Jun Wang of USBR provided updates on the status of refinements to the tool developed by USBR contractors for use by stakeholders of the Real Time Management Group. Progress has been made on needed updates by the contractors, and additional updates were planned. The need for monitoring station improvements were also discussed as the program moves into its Phase 3. Nigel Quinn and Joe McGahan discussed the Drainage Authority's and the Grassland Water District's preparations of grant proposals to Department of Water Resources (DWR) for funds to improve sensors and other equipment at Westside irrigation diversion stations on the LSJR.

The quarterly meeting of the Real Time Salinity Management group Steering Committee was held on 1 March. The group had requested an extension of the deadline for submittal of their Annual Report until 31 March. Topics discussed included the work under way for completion of the Real Time Management Plan's (RTMP) Phase 2 and beginning of Phase 3, the parallel USBR work activities and future work plans, the changes to the RTMP being considered as a result of the proposed Basin Plan Amendment for salinity water quality objectives on the Lower San Joaquin River, grant proposals to DWR for work on river diversion point monitoring stations, and a summary of the LSJR Committee recommendations to the Board staff for the Amendment.

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

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

The Basin Plan Amendment effort to develop a region-wide MUN evaluation process in Ag dominated surface water bodies continues to progress with the development of a draft Staff Report. Staff is also completing the supporting documentation needed to assist with the CEQA and economic analyses, scheduled for this spring. This amendment will be discussed during the CV-SALTS public workshop to the Central Valley Water Board on 22 June 2016 and is scheduled to be brought for consideration by the Board later in 2016.

More information on the project can be found at:

[http://www.waterboards.ca.gov/centralvalley/water\\_issues/salinity/mun\\_beneficial\\_use/index.shtml](http://www.waterboards.ca.gov/centralvalley/water_issues/salinity/mun_beneficial_use/index.shtml)

## **DAIRIES**

### **1. Enforcement**

Prosecution Team staff, working with the Attorney General's office, are monitoring the implementation of a Settlement Agreement reached with the Henry Tosta Dairy and approved by the United States Bankruptcy Court, Eastern District, in March 2016. Operations at the Henry Tosta Dairy are to be suspended by 25 April 2016, and final completion of work to stabilize the site with respect to water quality protection is to occur no later than 6 July 2016.

Pre-complaint Letters have been issued to several dairy facilities for failure to file 2014 Annual Reports, which were due 1 July 2015 as required by the Reissued Dairy General Order. The Pre-complaint Letters were issued as a follow-up to Notices of Violation, which notified the dischargers of their failure to submit the Annual Report. The Pre-complaint Letters give affected dischargers the opportunity to settle the outstanding violation through an expedited settlement process by submitting the past-due Annual Report and paying a penalty. If violations cannot be settled through that process, staff intends issue Administrative Civil Liability Complaints.

Confined Animal Facilities staff is responding to an increased number of complaints regarding flooded corrals or off-property discharges. The higher-than-normal number of complaints is likely due to this winter's increased precipitation after several years of drought.

### **2. Permitting**

Regional Board staff is preparing to release a tentative General Order for Confined Bovine Feeding Operations. Staff has met with representatives of environmental justice and industry about the planned content of the tentative General Order. Staff has also met with representatives of bovine auction yards to discuss the specifics of their operations and the applicability of the provisions of the General Order as currently drafted.

### **3. Inspections**

Staff has completed approximately 207 dairy inspections for FY 2015/16, including 128 compliance inspections. This outcome is not in alignment with the target performance goal of inspecting each CDQAP-certified dairy covered under the Dairy General Order once every five years, and non-certified dairies once every three years. However, the Fresno office has recently replaced two dairy inspector positions that were lost through attrition and/or staff re-assignment.

## OIL FIELDS

### 1. Waste Water Surface Pond

Central Valley Water Board staff continues to address issues associated with unlined surface ponds used to dispose of oil field wastewater. In 2015, 100 Section 13267 orders were issued to operators of active ponds to require submission of analytical data for produced water waste constituents. Staff has issued 21 Notices of Violation for inadequate responses to the 13267 orders.

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

### 2. Spill Response

The following summarizes significant events that occurred in January, February, and March.

- Three small spills of crude oil, wastewater, and contaminated rainwater into unnamed blue-line stream beds occurred on leases operated by Chevron USA, Inc., in the Cymric Oil Field on 31 January 2016. It was reported that a heavy rain event caused the flooding of oil well concrete cellars containing residual oil, and the overflowing of fluids out of the cellars. It was estimated that less than 0.5 barrels of oil were discharged with unknown amounts of wastewater and contaminated rainwater. The affected soil was removed and the cleanups were completed on 1 March 2016.
- A spill of approximately 5-barrels of crude oil and 10-barrels of wastewater occurred on the 35W lease operated by Chevron USA, Inc., in the Cymric Oil Field. The source of discharge was reported to be a corroded production pipeline. The spill affected an area approximately 100-feet by 20-feet of an unnamed blue-line stream bed. The affected soil was removed and the cleanup was completed on 1 March 2016.
- A spill of approximately 1-barrel of crude oil and 2-barrels of wastewater was reported on the Section 17 South lease operated by Chevron USA, Inc., in the Midway-Sunset Oil Field on 24 February 2016. The source of discharge was observed to be a leaking underground production pipeline. The spill affected approximately 100-feet of an unnamed blue-line stream bed. The affected soil was removed and the cleanup was completed on 11 March 2016.
- A spill of approximately 1-barrel of crude oil and unknown amount of wastewater was reported spilled on the Section 30S facility operated by California Resources Corporation, in the Elk Hills Petroleum Reserve on 1 March 2016. The source of discharge was reported to be a corroded production pipeline. The spill affected approximately 700-feet of an unnamed blue-line stream bed. Staff inspected the spill site and observed a second spill into the same stream bed from what appeared to be leaking tanks situated near the top of the creek side slope. The cleanup for both spills is ongoing.
- A spill of approximately 9-barrels of crude oil and 27-barrels of wastewater into an unnamed blue-line stream bed occurred on the Cork lease operated by Chevron USA, Inc., in the Kern River Oil Field on 20 March 2016. The source of discharge was reported to be a leaking production pipeline. The cleanup is on-going

Staff is considering appropriate enforcement for the spills.

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

Staff continues to review revised work plans and additional technical data submitted by the operators of injection wells that inject into zones that may not have been properly designated as exempt aquifers under the federal Safe Drinking Water Act. Staff is also in the process of notifying the operators who have submitted complete technical information/reports that they have provided the information required by the 13267 Orders.

Staff has also reviewed four UIC, Project Approval Letters (PALs) for proposed injection projects that were submitted to the Division by oil field operators. Staff memorandums identifying concerns with the proposed project were prepared and sent to the State Water Board for their review incorporation into a coordinated response letter to be sent to the operator.

An aquifer exemption application for the Round Mountain area was review by staff and draft written comments have been shared with State Board staff. Two additional aquifer exemptions applications for class 2 injection wells are pending review and more applications are expected.

Additionally, staff reviewed a Groundwater Monitoring Plan submitted to the Division for leaks at the Fruitvale oilfield in an injection well. Written comments to the Division are currently under review.

### **4. Food Safety**

Staff has assembled a Food Safety/ Oil Fields Produced Water Expert Panel in response to recent media attention and public concern regarding the use of oil field produced water for irrigation of crops. The Expert Panel includes individuals with backgrounds in agriculture, environmental risk assessment, human health risk assessment, public health, plant physiology, and toxicology. The goal of the Panel is to help the Water Boards identify possible risks in using produced water for irrigation. The first Food Safety/ Oil Fields Produced Water meeting was in January 2016. The meeting included presentations from stake holders, and some members of the expert panel. Data has been provided to the Panel members. More meetings are planned for the future. The next meeting is scheduled for April 11, 2016.

### **5. Oil Field Workshop in Bakersfield**

On 9 March, the Board held a public workshop in Bakersfield. Board members Longley, Kadara, and Costantino attended. During the workshop, staff presented to the Board members a general update on oil field activities. Staff then provided a general overview of three general waste discharge requirements for oil field discharges to ponds. These should be before the Board in June. Following staff's presentation, the Board took input from stakeholders attending the workshop. Over 100 stakeholders attended the workshop.

## 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. The Addendum updates the sections of the GWQ Strategy that include statewide policies and regulations, changes or additions to the Central Valley Water Board regulatory programs, and identified completed and new actions to protect groundwater quality. The draft Addendum will be finalized based on input received during the February meeting and will be posted on the website by May 2016. Staff will be working with Program Managers on the development of a Workplan for ongoing and new actions included in the draft Addendum.

The Groundwater Quality Protection Strategy, draft 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](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 each of the actions identified in the June 2013-2015 Workplan.

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

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

GMAW meeting information can be found at:  
[http://www.waterboards.ca.gov/centralvalley/water\\_issues/groundwater\\_quality/index.shtml](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](http://www.waterboards.ca.gov/plans_policies/antidegradation.shtml)

Action 6.4.3 Implement Groundwater Quality Protection Programs through the Integrated Regional Water Management Plan Groups. The goal of this action is to leverage and expand groundwater quality program coverage through improved coordination and partnering with local regional groups that receive State funds through the Integrated Regional Water Management (IRWM) process. Efforts continue to encourage Regional Water Management Groups outreach to Disadvantaged Communities with distribution of a factsheet to provide information on Supplemental Environmental Project funding sources that may be available for IRWM plan projects that benefit disadvantaged communities. The factsheet is available at:  
[http://www.waterboards.ca.gov/centralvalley/water\\_issues/enforcement/sep\\_apr2015\\_fact\\_sheet.pdf](http://www.waterboards.ca.gov/centralvalley/water_issues/enforcement/sep_apr2015_fact_sheet.pdf)

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

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

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

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. A Tentative General Order for public review is expected to be released shortly, with the goal of presenting the General Order to the Board for consideration during summer 2016.

Drafting of the General Order for Poultry facilities has begun. As many of the provisions of the Poultry Order will likely be based on provisions in the General Order for Confined Bovine Feeding Operations, release of a public review draft will follow release of the Tentative General Order for Bovine Operations. An information item on the conceptual framework for a General Order for Poultry Facilities is scheduled to be presented at a Regional Board meeting during the second quarter of 2016.

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\\_land/long\\_term\\_program\\_development/index.shtml](http://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_land/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. Staff is also coordinating with CDFA on the development of nitrogen removed calculator for use by the agricultural coalitions.

Action 6.5.3 Reduce Site Cleanup backlog. The goal of this action is to reduce the number of inactive cases (i.e., the case backlog) in the Site Cleanup Program. Since the beginning of the current fiscal year June 2015, 197 backlog sites have been reviewed. Of these, 49 cases were closed, 8 were duplicates of existing cases, 3 were assigned to staff, 8 were found to be under the lead of another agency, 72 sites need additional assessment, 28 were determined to be information only, and additional documentation needs to be located for 12 sites.

Action 6.5.4(a) & 6.5.4(b) Update Guidelines for Waste Disposal from Land Developments.

The State Water Board Onsite Wastewater Treatment Systems (OWTS) Policy became effective 13 May 2013 and can be found at: [http://www.waterboards.ca.gov/water\\_issues/programs/owts/index.shtml](http://www.waterboards.ca.gov/water_issues/programs/owts/index.shtml).

The OWTS Policy gives Local Agencies the option to develop and implement performance-based requirements for new and replacement OWTS in Local Agency Management Programs (LAMPs). In the Central Valley, most Local Agencies have committed to submit LAMPs; drafts are due to our agency by 13 May 2016, and will require Regional Board approvals by 13 May 2017. Central Valley Water Board staff expects to receive 30 draft LAMPs. To prepare for this workload, staff has prepared a preliminary completeness checklist for LAMPs, in coordination with the State Water Board, the California Onsite Water Association, and the California Conference of Directors of Environmental Health (CCDEH). To date, staff has formally reviewed Sacramento County's LAMP for early Regional Board approval, and informally reviewed working drafts from six other Local

Agencies. On 17 March 2016, staff met with CCDEH Region 1 in Auburn to discuss LAMP reviews in process with the checklist, and emerging issues and concerns. Staff has also updated our OWTS Policy Implementation Program website [http://www.waterboards.ca.gov/centralvalley/water\\_issues/owts/index.shtml](http://www.waterboards.ca.gov/centralvalley/water_issues/owts/index.shtml), which now includes a LAMP tracking page. Our Redding, Rancho Cordova, and Fresno Offices are combining efforts for further pending LAMP reviews.

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.

State Water Board staff has targeted three General Orders for adoption in fiscal year 2017/2018 (Winery General Order, Aggregate General Order, and updated Recycling 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. The updated Recycling General Order is scheduled for consideration by the State Water Board this month.

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

Current staff forecast is 25 individual WDRs in the current fiscal year and 80 enrollments in general orders or waivers. Overall, staff expects about a 20% reduction in backlogged applications this fiscal year to 170 applications.

## IRRIGATED LANDS REGULATORY PROGRAM (ILRP)

### Waste Discharge Requirements (WDRs) Development

#### **Eastern San Joaquin River Watershed, Tulare Lake Basin Area, Western Tulare Lake Basin Area, Western San Joaquin River Watershed, San Joaquin County and Delta Area, Sacramento River Watershed Area, and Grassland Drainage Area WDRs**

On 19 February, the Board adopted amendments to the Waste Discharge Requirements General Orders for growers within the Central Valley that are members of a third-party group (ILRP General Orders) for removal of Nitrogen Management Plan (NMP) and Sediment and Erosion Control Plan reporting requirements for managed wetlands and the removal of NMP reporting requirements for irrigated pasture. The Order amends the following ILRP General Orders:

- Eastern San Joaquin River Watershed R5-2012-0116
- Tulare Lake Basin Area R5-2013-0120
- Western Tulare Lake Basin Area R5-2014-0001
- Western San Joaquin River Watershed R5-2014-0002
- San Joaquin County and Delta Area R5-2014-0029
- Sacramento River Watershed Area R5-2014-0030
- Grassland Drainage Area R5-2015-0095

#### **Sacramento River Watershed WDRs**

On 19 February, the Board adopted an amendment to the Waste Discharge Requirements for Growers within the Sacramento River Watershed that are Members of a Third-party Group under Order R5-2014-0030-R1 to allow a one-year extension to 1 March 2017 for the certification of the Nitrogen Management Plan (NMP) and submittal of the Nitrogen Management Plan Summary Report.

### 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.

<b>Coalition Area</b>	<b>Parcel Inspections Jan 16 – Mar 16</b>
East San Joaquin	5
Kings River	156
San Joaquin County & Delta	267
Sacramento Valley	162
<b>Total</b>	<b>590</b>

#### **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.

<b>Coalition Area</b>	<b>Directives Mailed Jan 16 – Mar 16</b>
Kings River	109
San Joaquin County & Delta	85
<b>Total</b>	<b>194</b>

### 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 Jan 16 – Mar 16
San Joaquin County & Delta	15
Kings River	2
Tule Basin	18
<b>Total</b>	<b>35</b>

### Pre-Administrative Civil Liability Notification Letters

Pre-Administrative Civil Liability (ACL) letters offer the recipients the opportunity to negotiate a settlement with Board staff and avert the issuance of an Administrative Civil Liability Complaint. If a settlement is reached, the details of the settlement are circulated for a 30-day public review prior to the settlement being finalized and approved by the Executive Officer.

On 5 February 2016, the Assistant Executive Officer issued pre-ACL letters to six East San Joaquin growers for failure to obtain regulatory coverage in the Irrigated Lands Regulatory Program. The pre-ACL letter recipients are almond, walnut, grape and stone fruit growers with farm operations ranging in size from 18 to 78 acres. The pre-ACL letters proposed fines ranging from \$16,088 to \$46,410 depending on the size of the grower's operation and time of non-compliance with applicable regulatory requirements.

On 16 March 2016, the Assistant Executive Officer issued a pre-ACL letter to a Sacramento Valley walnut grower for failure to obtain regulatory coverage in the Irrigated Lands Regulatory Program. The pre-ACL letter proposed a fine of \$12,480 based on the size of the grower's operation and the time of non-compliance with applicable regulatory requirements. Pre-ACL letters for three other Sacramento Valley growers were averted because the growers responded to a "last chance" phone call from Board staff or in one case from a Coalition representative, by promptly obtaining regulatory coverage.

### 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.

Also on 25 January 2016, the Assistant Executive Officer issued an Administrative Civil Liability Complaint to Gurchuran & Balwinder Rakkar of Madera County for violating California Water Code section 13260 by failing to obtain regulatory coverage for their irrigated agricultural lands. The Complaint, which proposes a fine of \$70,980, is available for review on the Central Valley Water Board's "Tentative Orders" webpage.

### Coalition Enrollment Summary

The tables below provide the latest coalition enrollment data based on coalition member lists submitted annually to comply with the ILRP General Order requirements, 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.

**Cleanup & Abatement Order (CAO)**

**Table 1 of 2. Coalition Enrollment Information Summary in the Sacramento, Delta, East and Western San Joaquin River Watersheds**

Coalition Group	East San Joaquin	Sacramento Valley	San Joaquin Co. & Delta	Western San Joaquin River
<b>Participating Growers</b>				
Number of Growers, Pre-Order	2,225	7,888	3,256	2,450
Number of Growers reported by Coalition as of Jan 2016 (annual fees)	3,579	8,618	3,515	2,508
Number* of Growers enrolling land due to Directive/eNOI (Jan-Mar 2016)	16	70	71	0
Projected number of Growers in March	3595	8688	3586	2508
<b>Enrolled Acreage</b>				
Number of Acres, Pre-Order	535,653	1,183,491	348,200	467,625
Number of Acres reported by Coalition as of Jan 2016 (annual fees)	696,156	1,340,216	386,452	435,922
Number* of Acres added due to Directive/eNOI (Jan-Mar 2016)	2,130	10,623	1,901	0
Projected Acres Enrolled in March	698,286	1,350,839	388,353	435,922

On 1 February 2016, the Assistant Executive Officer issued a CAO to Alldrin Boatwright LLC (Discharger) in Stanislaus County. The Discharger has mass-graded a large area of former foothill pasture to convert the land use to almond orchard. The disturbed earth has created the potential for sediment discharges to surface waters during the upcoming wet season. The CAO requires the Discharger to submit a Sediment & Erosion Control Plan and a Completion Report to document site improvements based on a defined schedule.

\* 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.

**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
<b>Participating Growers</b>								
Number of Growers, Pre-Order	3,794 (Southern San Joaquin Water Quality Coalition)							1,070
Number of Growers, as of January 2016	61	87	1,321	819	4,724	1,116	43	1,275
Change* (Additional Growers Enrolled)	0	0	3	6	14	4	0	1
Projected number of Growers in March	61	87	1,324	825	4,738	1,120	43	1,276
<b>Enrolled Acreage</b>								
Number of Acres, Pre-Order	957,362 (Southern San Joaquin Water Quality Coalition)							507,489
Number of Acres, as of January 2016	30,788	34,524	163,422	522,776	761,019	225,018	99,761	490,495
Change* (Additional Acres Enrolled)	0	0	19	1,628	1,318	439	0	1,348
Projected Acres Enrolled in March	30,788	34,524	163,441	524,404	762,337	225,457	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**

### **Sacramento Valley Water Quality Coalition**

On 19 January, Sacramento Valley Water Quality Coalition (SVWQC) submitted a request for completion of the management plan requirements for lead in the Pit River in the Northeastern California Water Association subwatershed. Staff is in the process of reviewing the request.

On 2 February, the Lake County subwatershed submitted a proposal for the Reduced Monitoring / Management Practices Verification Option for review and approval by the Central Valley Water Board Executive Officer. Staff is in the process of reviewing the proposal.

On 3 February, Central Valley Water Board staff (staff) held a Quarterly Status Update Meeting with SVWQC to discuss the status of the Delta Regional Monitoring Plan (RMP) proposal; status of the Sediment Discharge Erosion Assessment Report Workplan to Address Proximity to Surface Waters; update on submitted Reduced Monitoring / Management Practices Verification Option proposals; status of submitted management plan completion requests; and progress of SVWQC's management plans.

On 26 February, the Executive Officer issued approval to allow the SVWQC to reduce water quality monitoring and participate in the Delta Regional Monitoring Program.

On 10 March, staff held a meeting with SVWQC and representatives from Applied Engineering and Geology, Inc. to discuss the Sediment Discharge and Erosion Assessment Report – Workplan to Address Proximity to Surface Waters. The discussion focused on SVWQC's proposed exemptions to the requirement for completion of a Sediment and Erosion Control Plan which included parcels affected by levees or barriers; riparian vegetation; agricultural operations; and existing government ordinances for sediment and erosion control.

On 10 March, the Executive Officer issued a conditional approval for the El Dorado Subwatershed to participate in the Reduced Monitoring/Management Practices Verification Option (See MRP Order R5-2014-0030 at the following link: [http://www.waterboards.ca.gov/centralvalley/board\\_decisions/adopted\\_orders/general\\_orders/r5-2014-0030-r1.pdf](http://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/general_orders/r5-2014-0030-r1.pdf)). 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 and submittal of the results to staff.

## **San Joaquin River Watershed Coalition Groups**

### **East San Joaquin Water Quality Coalition**

On 29 January, the Coalition submitted the Groundwater Quality Trend Monitoring Program (GQTMP) Workplan, Phase II - Preliminary Determination of Specific Wells for QTMP. Staff is currently reviewing the proposed trend monitoring workplan for compliance with the requirements of the Order.

On 2 February, the Coalition submitted an evaluation report for management plans associated with DO and pH exceedances in the Coalition region according to the time schedule provided in the approved Surface Water Quality Management Plan. Staff is currently reviewing the DO/pH evaluation report.

On 3 February, the Executive Officer issued a letter notifying the Coalition members about their legal requirement to submit groundwater quality information required to develop a groundwater monitoring network. Members who fail to return information associated with their existing domestic, irrigation, monitoring and water supply wells could be subject to administrative or civil enforcement.

On 4 February, staff held the 26th Quarterly Meeting with the Coalition representatives to discuss progress of implementing the Coalition's Management Plans, performance goals, sediment and erosion control plan, and status of other activities in progress. The Coalition provided an update on management plan monitoring results and outreach in the subwatersheds.

On 11 February, staff attended the Nitrogen Management Plan Certification training sponsored by the California Department of Food and Agriculture's Fertilizer Research and Education Program in Stockton. The training session included an overview of nitrogen and groundwater quality issues, and nitrogen management plan.

On 12 February, staff's combined review of the 2014 and 2015 Annual Monitoring and Management Plan Progress Reports, covering the period 1 January 2013 through 30 September 2014, was provided to the Coalition. The Coalition complied with all MRP Order monitoring and reporting requirements in both Annual Reports. However, based on compliance statistics provided in the Farm Evaluation summary, staff is pursuing enforcement to bring members who failed to return the Farm Evaluation surveys to the Coalition into compliance with the Order.

On 1 March, staff received the Coalition's Quarterly Monitoring Data Report for the period July-September 2015.

On 7 March, the Executive Officer approved the Coalition's request to amend the 2016 Monitoring Plan Update for sediment toxicity management plan monitoring. This amendment was approved based on the current Surface Water Quality Ambient Monitoring Program recommendation for evaluating toxicity data.

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

On 22 January, the Executive Officer conditionally approved the Coalition's work plan that addresses sediment discharges from parcels adjacent to water bodies not identified in the Sediment Discharge and Erosion Assessment Report. This will be an addendum to the SDEAR.

On 12 February, Based on the August 27, 2014 Surface Water Ambient Monitoring Program Toxicity Workgroup Recommendation protocol letter, the Coalition submitted an amendment to the 2015 Monitoring Plan Update and 2016 water year monitoring schedule. It is under management review.

On 16 February, the Coalition submitted the 2016 Comprehensive Groundwater Quality Management Plan (GQMP), as per the Order. The GQMP presents the approach to eliminating/reducing impairments of beneficial uses of groundwater.

On 19 February, the Executive Officer provided an email response to the South Delta Water Agency concerning southern Delta salinity management plans requirements. The email effectively said the Coalition will need to either join CV-SALTS or prepare salinity management plans.

On 22 February, the Coalition submitted a DO and pH special study as per the time schedule discussed in the approved Surface Water Quality Management Plan (SQMP). The Coalition met its 120-day due date established in the SQMP. It is under staff review.

On 4 March, staff completed its review of the SJD Coalition's Annual Monitoring Report and Management Plan Progress report covering the period January through September 2014. The Coalition is complying with the Order requirements. The AMR was due before the Farm Evaluation and nitrogen management plan summary information was due. Management practice and nitrogen management plan data will need to be summarized by township in the next AMR.

On 7 March, the Coalition's request to update the 2016 water year monitoring schedule to reduce management plan monitoring for sediment toxicity was approved by the Executive Officer, based on the current SWAMP recommendation for evaluating toxicity data and information provided in the request letter.

### **Westside San Joaquin River Watershed Coalition**

On 16 January, the Executive officer approved the Westside San Joaquin River Watershed Coalition's (Coalition) 2016 Monitoring Plan Update (MPU). This Monitoring Plan covers the period from March 2016 through February 2017 and fulfills the monitoring and reporting program requirements of the Order. The approved MPU allowed the Coalition to monitor additional sites at Wetlands Supply Channels for selenium, boron and field parameters.

On 11 February, staff attended a self-certification course for completion of the Nitrogen Management Plan. This certification course is made available to the growers in order to equip them with the required knowledge to plan their nitrogen input. It enables the growers to certify their own Nitrogen Management Plans.

On 16 February, staff held a Quarterly Meeting with Coalition representatives to discuss the status of ongoing surface water quality management plans. Coalition education and outreach activities were discussed along with exceedance reports, comprehensive surface water quality management plan report, and management plan completion requirements. Staff also briefed the Coalition about implications of the State Board Order on Eastside General Order.

On 7 March, the Coalition submitted a request to change the frequency of their monitoring report from a Semi-Annual Monitoring Report to an Annual Monitoring Report (AMR). The Coalition's request is currently under staff review.

On 9 March, staff held a meeting with Coalition representatives and their analytical laboratory personnel to discuss issues within the 5 January 2016 QAPP amendment request. The Coalition also discussed a change from submitting SAMRs to an AMR. The Coalition will submit a revised QAPP amendment request.

On 11 March, staff's review of the Coalition's Semi-Annual Monitoring Reports and Management Plan Progress reports covering the monitoring period from September 2014 through August 2015 was provided to the Coalition. The Coalition is complying with the Order requirements.

#### **Grassland Basin Drainage Steering Committee (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**

##### **Buena Vista Coalition**

On 3 February 2016 the Executive Officer conditionally approved the Groundwater Quality Assessment Report submitted by the Buena Vista Coalition. The Groundwater Quality Assessment Report designates high and low vulnerability areas within the Coalition, and establishes due dates for growers to complete the Farm Evaluation Template and Nitrogen Management Plan Template. A copy of the letter is available on the Regional Board's ILRP webpage.

##### **Kaweah Basin Water Quality Association**

On 3 February 2016 the Executive Officer conditionally approved the Groundwater Quality Assessment Report submitted by the Kaweah Basin Water Quality Association. The Groundwater Quality Assessment Report designates high and low vulnerability areas within the Coalition, and establishes due dates for growers to complete the Farm Evaluation Template and Nitrogen Management Plan Template. A copy of the letter is available on the Regional Board's ILRP webpage.

On 1 March 2016, the Coalition submitted the 4<sup>th</sup> Quarter 2015 surface water quality monitoring data. The data covers the 1 October 2015 to 31 December 2015 reporting period.

On 4 April 2016, staff issued a review of the Quality Assurance Program Plan (QAPP) submitted by the Kaweah Basin Water Quality Association. The review included comments describing necessary changes to the QAPP in order to meet the requirements of the Monitoring and Reporting Program.

##### **Kings River Watershed Coalition Authority**

On 8 February 2016, the Kings River Watershed Coalition Authority submitted a revised Sediment Discharge and Erosion Assessment Report (SDEAR). The revised submittal was required by the conditional approval of the original SDEAR, issued 6 October 2015, to address issues with the methodology used to identify growers which need to complete and implement a Sediment and Erosion Control Plan.

On 1 March 2016, the Coalition submitted the 4<sup>th</sup> Quarter 2015 surface water quality monitoring data. The data covers the 1 October 2015 to 31 December 2015 reporting period.

#### **Kern River Watershed Coalition Authority**

On 25 February 2016 the Executive Officer approved a Source Identification Study proposed by the Kern River Watershed Coalition Authority to provide information for the Surface Water Quality Management Plan developed for Chanac Creek. The study will investigate whether irrigated agriculture is causing or contributing to water quality issues observed in Chanac Creek, and potential modes of transport for constituents of concern, and is anticipated to be completed by 3 November 2016.

On 1 March 2016, the Coalition submitted the 4<sup>th</sup> Quarter 2015 surface water quality monitoring data. The data covers the 1 October 2015 to 31 December 2015 reporting period.

#### **Tule Basin Water Quality Coalition**

On 6 January 2016, the Executive Officer conditionally approved the Groundwater Quality Assessment Report submitted by the Tule Basin Water Quality Coalition. A copy of the letter is available on the Regional Board's ILRP webpage.

On 10 February, the Coalition submitted the 4<sup>th</sup> Quarter 2015 surface water quality monitoring data. The data covers the 1 October 2015 to 31 December 2015 reporting period.

#### **Western Tulare Lake Basin Coalition Group**

##### **Westlands Water Quality Coalition**

On 2 March 2016, staff attended a meeting with the Westlands Water Quality Coalition to discuss the resubmittal of the 2014 Annual Monitoring Report. Other topics discussed included necessary revisions to the existing approved 2012 Surface Water Quality Management Plans, development of new Surface Water Quality Management Plans, and the status of joining a Management Practices Evaluation Program (MPEP) Group.

On 1 March 2016, the Coalition submitted the 4<sup>th</sup> Quarter 2015 surface water quality monitoring data. The data covers the 1 October 2015 to 31 December 2015 reporting period.

On 7 March 2016, the Executive Officer approved the addition of the Westlands Water Quality Coalition and the Sacramento Valley Water Quality Coalition to the existing Management Practices Evaluation Program (MPEP) Group previously consisting of the East San Joaquin Water Quality Coalition, San Joaquin County Resource Conservation District on behalf of the San Joaquin County and Delta Water Quality Coalition, and San Joaquin Valley Drainage Authority on behalf of the Westside San Joaquin River Watershed Coalition.

On 17 March 2016, staff attended a meeting with the Westlands Water Quality Coalition to discuss the submittal of a revised Sediment Discharge and Erosion Assessment Report (SDEAR), and the development of a workplan and time schedule addressing proximity to surface waters as a factor which increases sediment and erosion discharge potential. Both submittals were received on 21 March 2016.

#### **Other Projects**

##### **Data Management**

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

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

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

On 17 and 18 February, staff loaded Westside San Joaquin River Water Quality Coalition monitoring data to the CV-RDC database replica. Data covers the period March through August 2015.

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

On 7 March, staff loaded Westside San Joaquin River Coalition December monitoring data to the CV-RDC database replica. Data covers the period March through August.

On 15 March, staff loaded Sacramento Valley Coalition monitoring data to the CV-RDC database replica. Data covers the period April through June 2015.

### **Grassland Bypass Project**

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

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

### **Rice Pesticides Program**

On 28 January, the California Rice Commission submitted the draft technical memorandum for the Rice Pesticides Program: 2015 Thiobencarb Performance Goal Exceedances. Monitoring for thiobencarb started the last week of April and ended on 1 July 2015. Exceedances of the thiobencarb performance goal were observed in two Colusa Basin Drain sites; there were no thiobencarb detections at the water intakes for the Cities of West Sacramento and Sacramento. The California Rice Commission initiated additional monitoring upstream of a Colusa Basin Drain site that is not required by the Rice Pesticides Program to better characterize the drainage.

On 3 February, the CRC submitted recommendations for actions to be taken during the 2016 growing season. The actions being considered include: no action, increase educational outreach efforts, perform additional targeted water quality monitoring studies, increase inspection activities, use limitations resulting from non-compliance, and assess weather and drought effects on thiobencarb use rates and flow rates in the agricultural drains. The draft memorandum and recommendations are currently under staff review.

## NON POINT SOURCE

### **2016 Timber Regulation and Forest Restoration Fund**

New 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. Approximately \$4 million is available for projects that implement forest management measures on forest lands to improve water quality. Concept proposals for implementation projects were submitted in September 2015 and full proposals were submitted in January 2016. Several projects were selected for funding in the Central Valley Region:

- 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)

For more information, please

visit: [http://www.waterboards.ca.gov/water\\_issues/programs/nps/solicitation\\_notice.shtml](http://www.waterboards.ca.gov/water_issues/programs/nps/solicitation_notice.shtml)

## 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](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/](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 by attending the 9 February workshop on the Proposition 1 Storm Water Grant Program and 16 March Proposition 1 Groundwater Grant Program.

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

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

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

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

## GENERAL

**1. 661 East Evans Reimer Road, Gridley, Butte County, Case No. SLT5R1092**

During a storm on the night March 5, 2016, approximately 200 to 300 gallons of red dyed diesel were released when a tree fell on an above-ground storage tank at a ranch located at 661 East Evans Reimer Road in Gridley. Diesel flowed over a concrete driveway and settled in a low area within the orchard. Emergency responders applied absorbent sweep to the impacted soil area. Staff will be working with the property owner to address soil and groundwater contamination, and to assess potential impacts to water supply wells in the vicinity of the spill.

**2. 2016 Sacramento River Temperature Management Planning and Implementation Workshop**

The State Water Board held a workshop on 18 March to receive public input regarding Sacramento River temperature management issues, including the United States Bureau of Reclamation (USBR) plans and actions for operation of Shasta Dam, Keswick Dam and Spring Creek Power Plant. While the last two years (2014 and 2015) have required implementation of a drought contingency plan, this year (2016) the reservoir is full and releases are occurring now to assure adequate space in the reservoir. Therefore, all the temperature requirements for the Sacramento River are expected to be met. However, since California is subject to droughts in the future, USBR will continue meeting with the technical Sacramento River Temperature Task Group and the stakeholders to develop a drought contingency plan.

## PUBLIC OUTREACH

On 19 January James Taylor presented to the Public and Environmental Health Committee of the Sierra Sacramento Valley Medical Society in Sacramento. The presentation was on Environmental Cleanup at the Former McClellan Air Force Base. The committee studies and makes recommendations on public health and environmental issues that affect the health and well-being of communities in the counties of El Dorado, Sacramento and Yolo.

On 20 January Alex MacDonald presented an update on the investigation and remediation efforts by Aerojet and the Boeing Company at the bimonthly meeting of the Aerojet Community Advisory Group. The update highlighted Aerojet's remediation efforts, Partial Deletion Requests, AMPAC facility expansion, Right-of-Way requests, Area 4900 SVE System, documents under review, implementation of remedial actions in the Perimeter Groundwater Operable Unit and Western Groundwater Operable Unit and the on-going investigation at several source areas of pollution on the Aerojet property and the Inactive Rancho Cordova Test Site.

On 20 January, Eric Warren and Patrick Barnes presented at the Nitrogen Management Plan Certification course held in Fresno by the California Department of Food and Agriculture (CDFA) and the University of California Agriculture and Natural Resource (UC ANR). The course provided training for Certified Crop Advisors on the nitrogen cycle in crop production systems and tools available to make informed recommendations to growers preparing Nitrogen Management Plans.

On 20 January, Wes Ouimette, Brett Stevens, and Lisa Wilson attended Nitrogen Management Plan self-certification courses sponsored by the California Department of Food and Agriculture's Fertilizer Research and Education Program in Stockton. All staff achieved certification.

On 21 January, Jacqueline Matthews and Griffin Perea visited with a natural sciences class at Anderson Union High School in Anderson to educate and share experiences with graduating students about science-based career opportunities available to them in the local community.

On 22 January, Christine Joab attended a public workshop hosted by the Department of Water Resources on the release of the Integrated Regional Water Management Grant Program Proposition 1 Draft Guidelines, Draft Planning Proposal Solicitation Package, and Draft Disadvantaged Community Involvement Request for Proposals

On 26-28 January, Laura McLellan, Janis Cooke, and Patrick Morris attended a workshop about revisiting the 2002 Mercury Strategy for the Bay-Delta Ecosystem. The 2002 Mercury Strategy was written as part of the CalFed Bay-Delta program. Janis gave a presentation about how fish and wildlife methylmercury data are incorporated in the Delta TMDL Mercury Control Program. Information presented at the workshop will be included in the TMDL review at the end of phase 1.

On 28 January Alex MacDonald presented an update on the Aerojet Rocketdyne cleanup efforts, and James Taylor presented an update on the former McClellan Air Force Base to the Regional Groundwater Authority (RGA) of Sacramento. This group is made up of water purveyors in Sacramento County north of the American River. The Aerojet presentation highlighted groundwater remediation efforts in the Western Groundwater Operable Unit which includes areas within the RGA boundaries, focusing on the results of new monitor wells helping to define the plume of n-nitrosodimethylamine in the Carmichael Water District Area and allow for an evaluation of the expansion of the existing groundwater remedy. The discussion on McClellan focused primarily on hexavalent chromium in groundwater on and around McClellan and impacts on the near-by Rio Linda Water District.

On 2 February, Bethany Soto participated in the Tulare Basin Integrated Regional Planning Effort which is a group of IRWM practitioners from the Tulare - Kern Funding Area. The meeting included an update on the IRWM implementation status of each group, coordination with DACs within the Tulare Basin.

On 2 February, Anthony Medrano participated in the monthly meeting of the Kern Environmental Enforcement Network (KEEN) meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

On 9 February, Anthony Medrano participated in the monthly meeting of the Fresno Environmental Reporting Network (FERN) meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

On 10 February, Anthony Medrano participated in the monthly meeting of the IVAN Kings County meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

On 10 February, Lynn Coster attended Sacramento Valley Water Quality Coalition's monthly meeting in Red Bluff. Lynn fielded questions regarding the State Water Board's proposed Order revising the Eastern San Joaquin Waste Discharge Requirements, requirements for Sediment and Erosion Control Plans, and certification of Nitrogen Management Plans.

On 17 February, Lynn Coster attended the Northeastern California Water Association's Annual General Membership Meeting in Adin. Lynn gave a presentation on the Irrigated Lands Regulatory Program requirements and updates. Topics discussed included the increased reporting requirements with the new Order, utilization of Farm Evaluations, and the status of management plans in the subwatershed.

On 17 February, Bryan Smith and Clint Snyder attended the Paradise Irrigation District (PID) Board meeting in the town of Paradise, at the request of the PID Board. Mr. Smith gave a short presentation on how the PID drinking water treatment plant filter backwash discharge to the Magalia Reservoir is regulated under a National Pollutant Discharge Elimination System (NPDES) permit. PID is not able to comply with final effluent limits in the permit and is under a compliance schedule to make facility improvements. PID selected a project that would eliminate the surface water discharge, but is also continuing to evaluate other alternatives. Following the presentation Mr. Smith responded to questions from the PID Board and from the public.

On 17 February, Trey Sherrell and Kevin Pfeiffer attended a meeting of the Yolo County Chapter of the National Organization for the Repeal of Marijuana Laws (NORML) in Woodland, California. During this meeting they presented information on how to enroll and comply with the Central Valley Water Board's General Order for Medicinal Cannabis Cultivation. Following this meeting, Yolo County NORML members asked Yolo County officials to require that commercial outdoor cannabis cultivators demonstrate compliance with the General Order in Yolo County's Medical Marijuana Ordinance.

On 17 February, Sue McConnell attended the California Agricultural Partnership Forum in Lockeford to discuss how to promote interagency coordination and support for healthy soils efforts. The Forum was attended by representatives from US EPA, NRCS, State Water Board, California Department of Food and Agriculture, Department of Pesticide Regulation, Air Resources Control Board, CalRecycle, and CA Association of Resource Conservation Districts.

On 18 February, Michelle Wood and Holly Grover participated in the Lake County Resource Management Committee meeting. Holly and Michelle presented on the Clear Lake Nutrient TMDL. Lake County Department of Water Resources, U.S. Forest Service, Elem Indian Colony and Big Valley Rancheria Band of Pomo Indians, Lake County Farm Bureau, California Department of Fish and Wildlife, and the Lake County Health Officer presented on efforts to reduce sediment loading to Clear Lake and manage the effects of cyanobacteria and other harmful algal blooms.

On 24-25 February, Christine Joab attended a two-day public workshop hosted by the North Coast Regional Water Quality Control Board on cyanobacteria and other harmful algal blooms (cyanoHABs) in freshwater systems. The first day was filled with presentations focused on the prevalence of cyanoHABs in California water bodies and their effects on humans, pets, and livestock. Discussions focused on monitoring, assessment, and response strategies currently being conducted by local, state, tribal, and federal agencies. The second day was reserved as a workgroup meeting that focused on developing partnerships between responsible agencies for

improving outreach efforts, and to better define each agency's role in identifying and monitoring cyanoHABS and notifying the public of cyanoHAB events through postings or other outreach activities.

On 25 February, Patrick Morris and Janis Cooke met with staff from the Department of Water Resources to review the Department's mercury control study in the Cache Creek Settling Basin and initiate discussion of Settling Basin improvement options and constraints.

On 29 February, Adam Laputz, Sue McConnell, Glen Meeks, and Eric Warren attended a meeting at the Stanislaus County Farm Bureau, which included Coalition leads, consultants, and a representative from the Natural Resources Conservation Service. Topics of discussion included Sediment Discharge and Erosion Assessment Reports and the recent "Draft Proposed Response to Petitions on East San Joaquin Agricultural Waste Discharge Requirements" issued by the State Water Resources Control Board.

In February and March, Eric Warren, Patrick Barnes, Sarah Rutherford, and Ryan West attended Nitrogen Management Plan Self-Certification courses sponsored by the California Department of Food and Agriculture's Fertilizer Research and Education Program in Fresno, Visalia, Exeter, and Tulare. All staff achieved certification.

On 1-2 March, Adam Laputz and Michelle Wood attended the Source Water Protection Workshop at the State Water Board. This Water Board/USEPA workshop was organized by the Division of Drinking Water in response to recommendations from the Drinking Water Program Transition Task Force Report, the Safe Drinking Water Plan, and the Non-Point Source Program Implementation Plan. On the first day of the workshop, Michelle gave a presentation on Clear Lake on behalf of a multi-program/agency team as an example of ways to coordinate activities across multiple Water Board and USEPA programs to protect source waters. The collaborative Clear Lake presentation team included staff from the USEPA Water and Superfund Divisions, State Water Board Division of Drinking Water, and Central Valley Water Board Nonpoint Source Program.

On 7 March, Guy Chetelat attended the North Sacramento Valley Integrated Regional Water Management Board meeting in Willows. New and updated project proposals were accepted, disadvantaged communities covered, and activities of the Technical Advisory Committee discussed.

On 9 March, Christine Joab attended the Cosumnes American Bear Yuba (CABY) Integrated Regional Water Management (IRWM) Planning Committee Meeting. The group discussed amendments to the IRWM Plan and options for updating the plan per new DWR guidelines, and potential funding opportunities through Prop 1.

On 9 March, Lynn Coster attended the Shasta Tehama Water Education Coalition's meeting in Red Bluff. Discussions included expectations and concerns regarding the Sediment Erosion Control Plan and certification requirements for the Nitrogen Management Plan.

On 9 March, Sarah Rutherford attended a public workshop presented by the Department of Water Resources on the Integrated Regional Water Management Grant Program Proposition 1 Draft Guidelines, Draft Planning Proposal Solicitation Package, and Draft Disadvantaged Community Involvement Request for Proposals. Purpose of attendance was to stay abreast of funding sources for IRWM groups.

On 10 March, Dan Carlson, Pam Buford, and Singleton Thibodeaux-Yost participated in the Southern Sierra IRWM Regional Water Management Group meeting. The meeting focused on updating the group's list of projects, project coordination between member agencies/organizations, and potential funding sources.

On 10 March Alex MacDonald provided nation-wide training via the internet for the Integrated DNAPL Source Site Strategy Team of the Interstate Technical Regulatory Council (ITRC). Alex was one of four instructors for the 2.25-hour training on the ITRC document *Integrated Use and Measurement of Mass Flux and Mass Discharge* (2011). This was the twelfth training session on the document. The training is provided free of charge and approximately 195 people world-wide attended the training.

On 13 March, Trey Sherrell attended a meeting of the Sierra County Growers Association in Calpine, CA. During this meeting he presented information on how to enroll and comply with the General Order for Medicinal Cannabis Cultivation.

On 15 March, Shane Edmunds, Ben Letton, and Clint Snyder participated in the Greater Battle Creek Watershed Working Group meeting held in Red Bluff. Water Board staff gave a presentation on the watershed-based planning effort in Battle Creek. United States Fish and Wildlife Service gave a presentation on the Adaptive Management Plan for Coleman National Fish Hatchery. Water Board staff discussed the AB 1492 timber fund grant projects in Battle Creek and the group decided it would be useful to organize a meeting between land owners in South Fork Battle Creek and the Resource Conservation District of Tehama County to ensure the goals of the grant proposal are in line with the stakeholders in the watershed.

On 15 March, Sarah Rutherford and David Sholes presented at a workshop held by the Almond Board as part of the ongoing California Almond Sustainability Program (CASP) educational series. The presentation provided information regarding the structure of the program, coalition and grower requirements, enforcement, and recent Order revisions.

On March 15 and March 16 Terry Bechtel and Scott Perrou presented at two California Association of Pest Control Advisors (CAPCA) continued education seminars. They presented information about the State and Regional Water Board agricultural programs, grower management and reporting requirements, and how the advisors can help their grower clients comply with the ILRP requirements. The March 15 presentation was attended by 135 pesticide control advisors, crop advisors, and pesticide applicators; the March 16 presentation was attended by 105.

On 18 March, Monique Gaido gave a guest lecture on water quality and water resources for 180 sixth-grade students at University Preparatory School in Redding. She provided an overview of the role of the State and Regional Water Boards, stressed the importance of water quality issues, and provided hands-on time with field meters to test local water samples for pH, electrical conductivity, and turbidity.

On 19 March, Griffin Perea and Kevin Pfeiffer participated in a panel discussion sponsored by the South Yuba River Citizens League in Nevada City. The panel discussed new permit requirements and best management practices related to cannabis cultivators in the Central Valley Region. Members of the regulated community were able to ask questions about new regulations and informational pamphlets were distributed.

**PERSONNEL AND ADMINISTRATION  
STAFFING UPDATE  
January 21, 2016 through March 21, 2016**

**Promotion:**

None

**Leave of Absence:**

Pa Vang – Scientific Aid

**Retirement:**

Kathy Amaru – Engineering Geologist

**Authorized Positions: 243.7**

**Vacant Positions: 10**

Separations	New Hires
James Barton – Engineering Geologist Nicholas Smaira – Engineering Geologist	Janelle Brown – Associate Government Program Analyst Omar Mostafa – Water Resource Control Engineer Balraj Tammali – Water Resource Control Engineer

**Temporary Help Positions**

Separations	New Hires
Evan Kersey – Scientific Aid Robert Mandeville – Scientific Aid Keith Ballard – Scientific Aid Emily Harding - Scientific Aid	Chaes Kufis – Scientific Aid

**TRAINING UPDATE  
January 21, 2016 through March 21, 2016**

Effective Use of MODFLOW-USG for Groundwater Modeling	1
8 hour Hazwopper Training	28
Analytical Laboratory Tour	14
Authorization to use privately owned Vehicles on State Business	1
Basic Supervision for State Supervisors - Part 1	3
Basic Supervision for State Supervisors - Part II	2
Best Hiring Practices	48
Business Writing for Results	1
CDT Training for State Training Officers - CA State OPD Session	2
Defensive Drivers Training	17
EET Seismic Class Webinar	1
Geosynthetic Liner and Cover Design	18
Groundwater Pollution & Hydrology	1
Hours of Work	3
How to Deal with Difficult People	1
Leading with Strengths	1
Maintaining a Respectful Work Environment	8
NPDES Permit Writers' Course	6
Pretreatment Training for Regulators	1
Princeton Groundwater Pollution and Hydrology Course	1
QSD/QSP Training Course for Storm Water Permit Compliance	5
Remediation Workshop	1
Security Awareness Training	4
State Supervisory Training Certificate Program	2
Water Quality Goals	2
Worst Case Scenario - Vehicle Accident	33

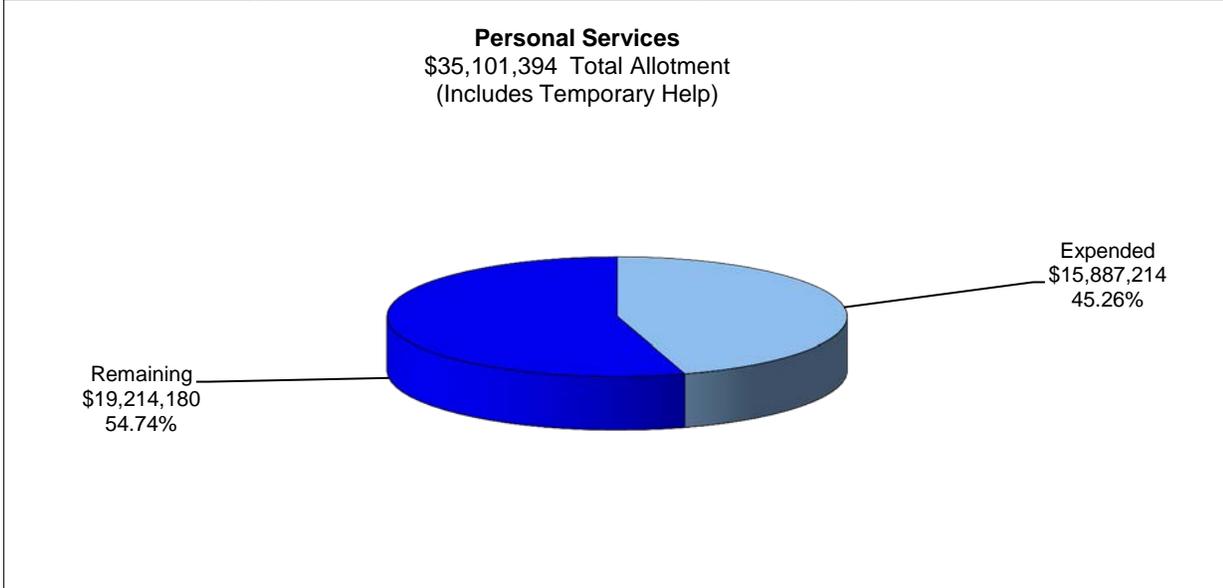
## FISCAL UPDATE

Through January 31, 2016

(Approximately 58% should have been expended to date)

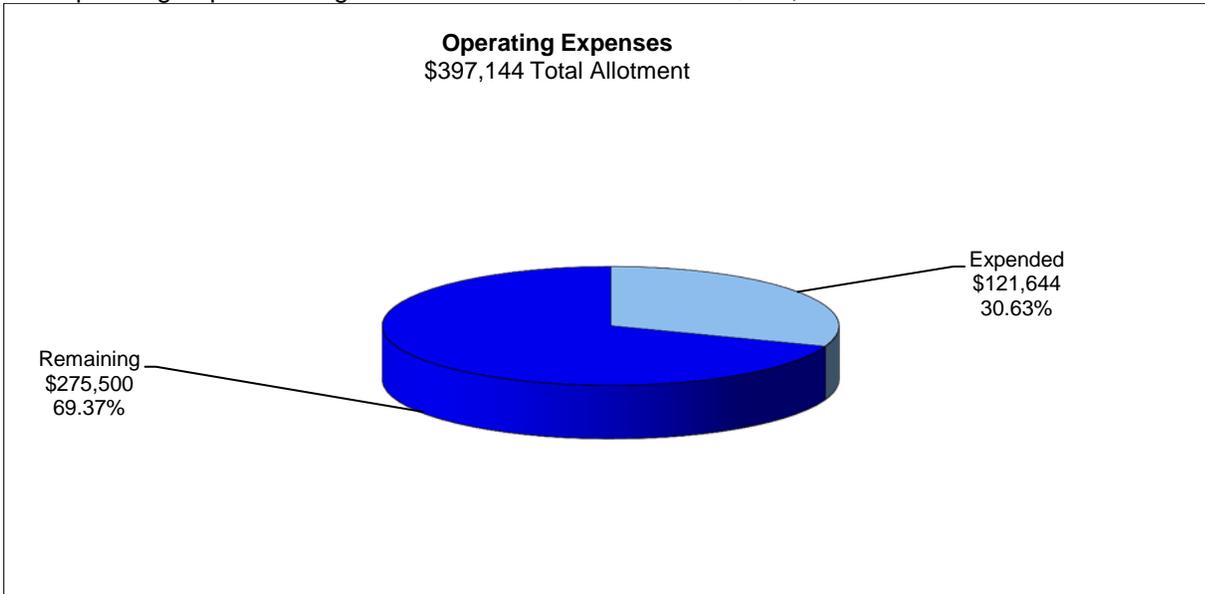
### Personal Services:

Our Personal Services budget for the 2015-16 Fiscal Year is \$35,101,394. We do not anticipate spending all of our allocation this year primarily due to receiving 11 new positions for our Oil Field programs at the start of this fiscal year. The hiring process took several months to complete, hence personnel service dollars went unspent.



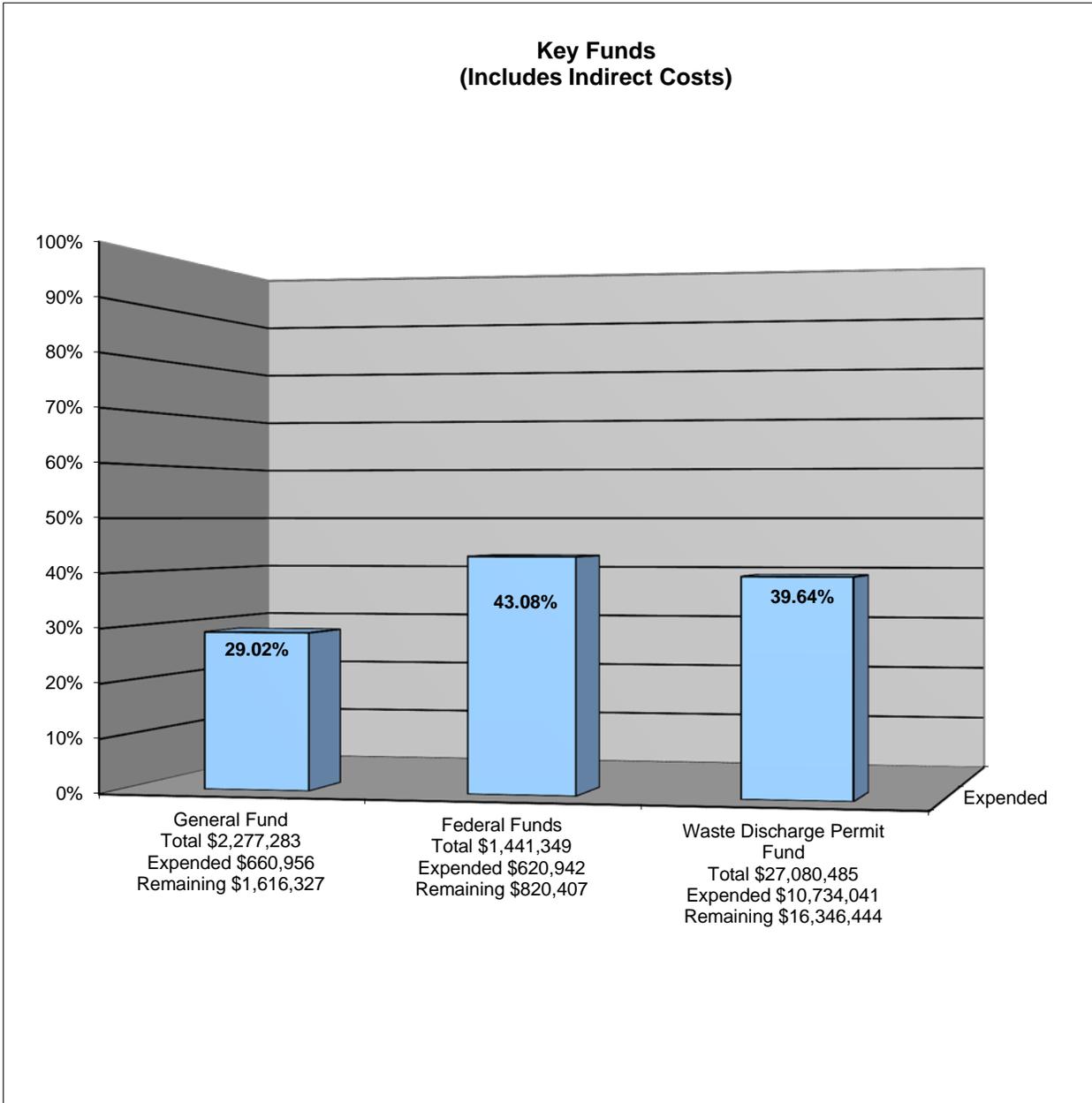
### Operating Expenses:

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



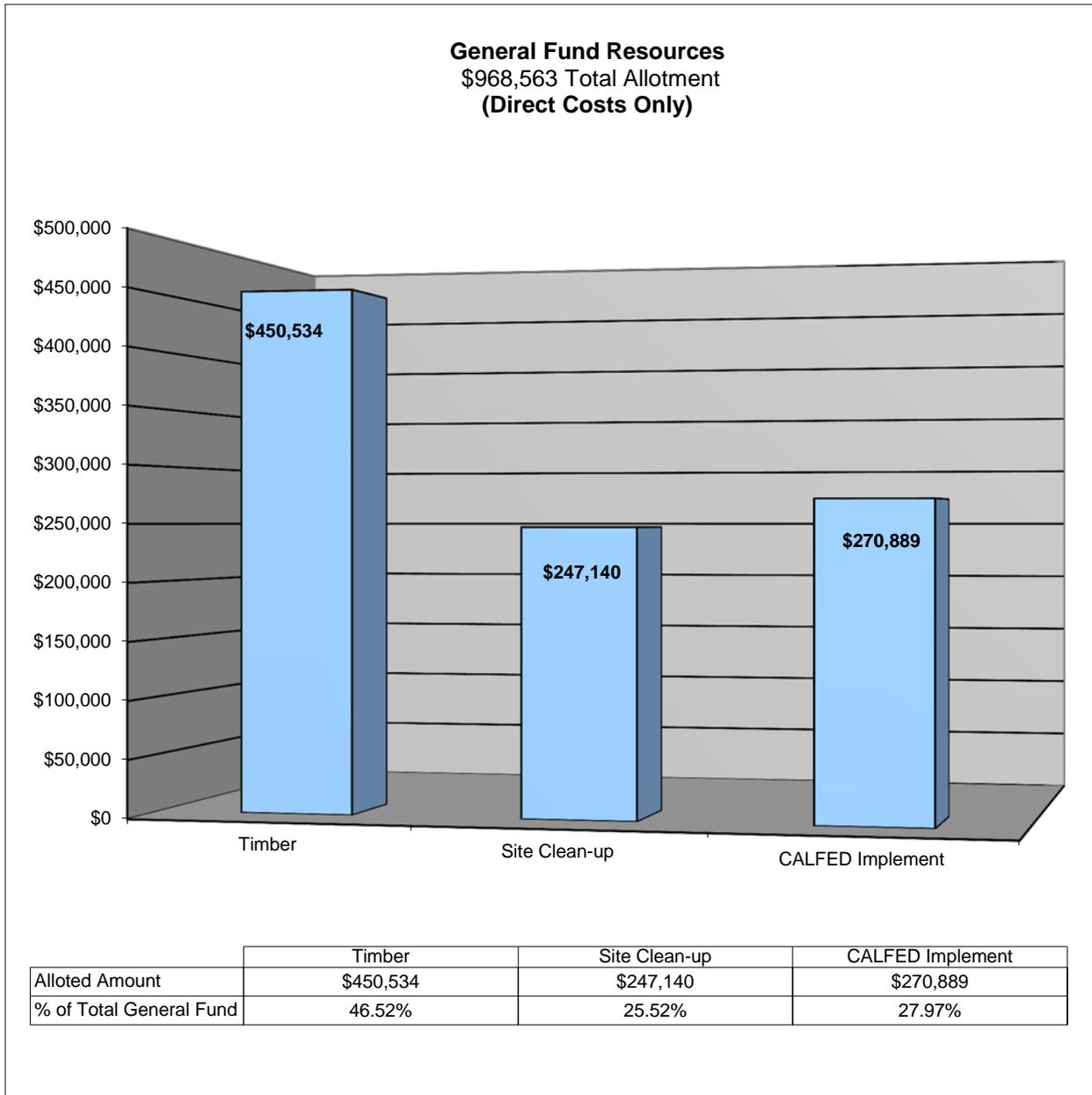
Key Funds

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



General Fund Resources:

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



**CONTRACTS**

<b>Contract #</b>	<b>Contractor Name</b>	<b>Description</b>	<b>End Date</b>	<b>Amount</b>
<b>Administrative Support Services</b>				
<b>Operational Support Services</b>				
<b>15-072-150</b>	California Reporting	Court Reporter Services	6/30/2018	\$36,000
<b>15-150-0758</b>	California Reporting	Court Reporter Services	6/30/2017	\$4,800.00
<b>15-047-150</b>	San Jose State Foundation	Support for Statewide Mercury Control Program	3/31/2018	\$200,000
<b>15-011-150</b>	Moore Twining	Lab Analysis – Fresno	2/28/2018	\$130,000
<b>15-011-150</b>	Basic Laboratory	Lab Analysis - Redding	2/28/2018	\$110,000
<b>13-051-150 Am. 2</b>	Excel Chem Environmental Laboratories	Lab Analysis - Rancho Cordova	06/30/2016	\$80,000
<b>15-023-150</b>	Air Shasta Rotor & Wing	Helicopter Services	9/30/2017	\$40,000
<b>Water Quality Study/Planning</b>				
<b>09-076-150</b>	San Joaquin Valley Drainage Authority	CV-Salts - Phase 1	5/14/2016	\$1,200,000
<b>11-123-555</b>	San Joaquin Valley Drainage Authority	CV-Salts - Phase 2	12/1/2016	\$3,800,000
<b>13-080-150</b>	Aquatic Science Center	Delta Regional Monitoring	3/30/2016	\$250,000
<b>13-093-150</b>	Delta Conservancy	Delta Mercury Exposure Program	3/1/2018	\$370,000
<b>13-103-150</b>	California Department of Fish & Wildlife	Stream Health Assessment	9/30/2016	\$42,537
<b>13-105-150</b>	The Regents of UC Davis	Butte Creek Sediment	9/30/2016	\$44,901
<b>13-117-150</b>	California Department of Food & Agriculture	Dairy Digester Study with UC Davis	6/30/2016	\$200,000
<b>14-025-150</b>	Delta Conservancy	Delta Mercury Exposure Reduction Program	6/30/2017	\$370,000
<b>14-030-150</b>	USGS	Urban and Agriculture Pesticide Monitoring	6/30/2017	\$175,000
<b>14-100-150</b>	The Regents of UC Davis	Large Scale Analysis of Annual Report Data	3/31/2017	\$150,000

## **FUTURE BOARD ACTIVITIES**

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

### **JUNE 2016 BOARD MEETING**

#### **WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISPOSAL TO LAND**

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

#### **STORM WATER PROGRAM – PERMITTING**

- Central Valley Region-wide MS4 General Permit

#### **DREDGE/FILL – PERMITTING**

- Osa Meadow Restoration Project, Sequoia National Forest – Initial Study and Mitigated Negative Declaration

#### **NPDES**

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

#### **LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27**

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

#### **CONFINED ANIMAL PROGRAM**

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

### **AUGUST 2016 BOARD MEETING**

#### **WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISPOSAL TO LAND**

- City of Laton WWTF (Revised WDRs)
- City of Richgrove WWTF (Revised WDRs)
- Harris Ranch Selma Beef Processing (Revised WDRs)
- Langer Farms (Revised WDRs)
- Lion Raisin, Selma plant (Revised WDRs)
- Monarch Nut Company (Revised WDRs)
- Treehouse Almonds (Revised WDRs)

## **IRRIGATED LANDS REGULATORY PROGRAM**

- **ACL Complaint for failure to obtain regulatory coverage**

## **PENDING ACTIONS, BUT NOT YET SCHEDULED FOR A BOARD MEETING**

### **WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM - DISPOSAL TO LAND**

- Bogle Vineyards (Revised WDRs)
- Bolthouse farms, Bakersfield carrot plant (Revised WDRs)
- Bully Hill Rising Star Mines (New WDRs)
- CA Dept. of Corrections, Mule Creek (Revised WDRs)
- Calaveras County Water District, Copper Cove WWTF (Revised WDRs)
- City of Galt (Revised WDRs)
- City of Lodi (Revised WDRs)
- City of Manteca WWTF (Revised WDRs)
- City of Modesto (Revised WDRs)
- City of Newman (Revised WDRs)
- City of Tuolumne WWTF (Revised WDRs)
- Colusa Industrial Park (Revised WDRs)
- Darling Ingredients (Revised WDRs)
- Delicato Family Vineyards (Revised WDRs)
- Feather River Hospital (Revised WDRs)
- Golden Feather School District, Spring Valley School (Revised WDRs)
- Ironhouse Sanitation District (Revised WDRs)
- Jelly's Ferry Septage (Revised WDRs)
- Los Gatos Tomato (Revised WDRs)
- Maxwell PUD (Revised WDRs)
- McCloud WWTF(Revised WDRs)
- McMannis Family Vineyards (Revised WDRs)
- Mokelumne Rim Vineyards (Revised WDRs)
- Morningstar Packing Company (Revised WDRs)
- North State Rendering Tallow Plant (Revised WDRs)
- Olam Tomatoes, Williams Plant (New WDRs)
- Oroville Aggregate and Hot Mix Facility (New WDRs)
- Packers Bay Marina (Revised WDRs)
- Pleasant Valley State Prison WWTF (Revised WDRs)
- Spanish Mine, Nevada County (New WDRs)
- Sun Pacific/Califia Farms (Revised WDRs)
- Tasteful Selections (Revised WDRs)
- Yocha De He Tribe (Revised WDRs)
- Zacky & Sons Poultry (New WDRs or MRP)

**NPDES PROGRAM – PERMITTING**

- Placer County SMD No 1 Permit Rescission
- Alturas High School Geothermal Rescission
- City of Atwater Renewal
- Clear Lake WWTP Renewal
- Cottonwood WWTP Renewal
- Grizzly Ranch WW Recycling Renewal
- Lake California WWTP Rescission
- Linda County Renewal
- Miners Ranch Rescission
- Nevada City Renewal
- Pactiv Molded Pulp Mill Renewal
- Paradise WTP Rescission
- River Highlands, Hammonton Gold Village Renewal
- Spanish Mine Rescission
- UC Davis CABA Renewal

**LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27****CONFINED ANIMAL PROGRAM**

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

**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	<b>2016-03-25</b> Regional Board completed CEQA Scoping meeting in July 2009. A draft summary report on OC pesticides was completed in December 2014. Final report will be completed in 2016.	Regional	R5
A-14	Central Valley Diazinon and Chlorpyrifos Basin Plan Amendment	<b>2016-03-25</b> 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-14	Implement Lower San Joaquin River Salt/Boron TMDL	<b>2016-03-24</b> TMDL requires USBR and agricultural dischargers to operate under WDRs with monthly salt load allocations OR the development of MAA with USBR to mitigate salt loading to river and operation under a Central Valley Water Board approved real-time salinity management program (RTMP) for agricultural dischargers. At the 4 December 2014 Central Valley Water Board meeting, both an updated MAA with the USBR and a phased RTMP were approved through Resolutions R5-2014-0150 and R5-2014-0151, respectively. Salt load allocations have also been incorporated into appropriate Ag Coalition WDRs with option to participate in Board approved RTMP. USBR FY15/16 Annual Workplan to address salt loading accepted by EO on 24 September 2015, with a request for an Addendum by 31 October 2015. USBR submitted a letter to extend the deadline of the addendum to 30 November 2015. The addendum from USBR was received by the Central Valley Water Board prior to that deadline. USBR also submitted an annual report update in January 2016. The Board-approved real time management program stakeholders formed a steering committee in October 2015 and plan to meet quarterly. The first meeting occurred on March 1, 2016. The steering committee requested an extension until March 31, 2016 for submittal of its first Annual Report, required by the Resolution approving the real time management program. The steering committee has applied for a DWR grant and expect an answer in July 2016. The money would be used for west side San Joaquin Valley monitoring stations on tributaries to the Lower San Joaquin River.(Staff contact, James Brownell)	Regional	R5
A-15	General Order for Poultry Facilities	<b>2016-03-24</b> General Order for poultry raising and egg laying facilities. Drafting of GO has begun. Information item on draft poultry order is planned for April 2016.	Regional	R5
A-15	Central Valley Pyrethroids Basin Plan Amendment	<b>2016-03-25</b> In development. Scoping meeting held in October 2012. Stakeholder meetings held in Sept-Nov 2014, May-December 2015; January 2016. Peer reviewd Summer 2015. A public review draft is scheduled to be released for public comment in early 2016. A Board workshop was held in February 2016. Additional outreach, workshop and final adoption scheduled for 2016.	Regional	R5

Key	Item	Status	Statewide or Regional Project	Org. Lead
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	<b>2016-03-24</b> 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. Under consideration is a new LIMITED-MUN beneficial use category for certain types of water bodies. A public information item on the development of the LIMITED-MUN beneficial use was conducted on 30 July 2015 at the Central Valley Water Board meeting. Regional Board staff has started to develop a draft Staff Report and is planning on bringing the amendment for consideration by the Board in the later part of 2016. Central Valley Board workshop tentatively scheduled for June 2016	Regional	R5
A-15	Establish New Water Quality Objectives for Salinity and Boron in the Lower San Joaquin River - Amendment to the Sacramento River and San Joaquin River Basin Plan.	<b>2016-03-24</b> 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. The BPA is tentatively scheduled for a workshop in June 2016 and consideration by the Regional Board in later 2016.	Regional	R5
A-15	Central Valley Diuron Basin Plan Amendment	<b>2016-03-25</b> In development. Scoping meeting held in October 2012. Scheduled for peer review draft release in early 2016, Board Hearing in 2016. Reviewing current water quality information which indicates effectiveness of Irrigated Lands Regulatory Program Management Plans. (Staff contact, Danny McClure)	Regional	R5
A-15	Region-wide General Order for MS4s	<b>2016-03-23</b> Permittee Working Group meetings ongoing, latest 11 January 2016. Several meetings with interested watershed group representatives in January and February 2015, and January 2016. Admin draft permit released for public comment on 11 March 2016 with comments due by 11 April 2016. Public Workshop to discuss admin draft permit scheduled for 6 April 2016 in Rancho Cordova. (Staff contact, Bryan Smith)	Regional	R5
A-16	Toxicity Amendments to the Inland Surface Waters, Enclosed Bays, and Estuaries Plan	<b>2016-03-11</b> Staff prepared draft toxicity amendments and a staff report. Staff released the draft documents for public review and received comments in summer 2012. Those comments are currently under review. Considering these comments and the Water Board's mandates, staff is preparing a revised draft staff report and environmental document. Once the draft documents are revised, staff will initiate additional stakeholder outreach and circulate the draft documents for public review. Staff expects to release the draft documents in July 2016.	Statewide	SB
*A-16	Wetland Area Protection and Dredge and Fill Permitting Policy – Phase I	<b>2016-03-23</b> State Water Board staff is preparing a draft wetland area protection and dredge fill permitting policy. This includes the draft policy language and the accompanying draft Substitute Environmental Document (SED). Staff expects to release the proposed policy and SED for public comments May 2016. Target Board meeting date for consideration of adoption is October 2016.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-16	2014 Integrated Report Adoption	<b>2016-04-05</b> State Water Board Staff completed lines of evidence for Regional Board review for Central Coast Regional Water Quality Control Board, Central Valley Regional Water Quality Control Board, and San Diego Bay Regional Water Quality Control Board. All three Regions are making listing decisions for their Regional Integrated Reports. Once those Regional Integrated Reports are approved, State Water Board staff will evaluate recommendations pursuant to the Listing Policy and compile the California Integrated Report. The 303(d) List portion of the California Integrated Report will be released for public comment. U.S. EPA makes the final approval decision on the 303(d) List portion of the California Integrated Report. The San Francisco Bay Regional Water Quality Control Board, Los Angeles Regional Water Quality Control Board and Santa Ana Regional Water Quality Control Board are developing the 2016 Integrated Report. Regions 3, 5 and 9 are behind schedule and have updated their target Regional Board meeting date, currently it is expected that Regions 3 and 9 will take their Regional Integrated Reports to a Regional Hearing in September 2016. Region 5 has a target hearing date of December 2016. These delays will consequently push back State and USEPA approval of the 2014 Integrated Report and the start of the 2016 Integrated Report.	Statewide	SB
A-16	Phase II Small Municipal Separate Storm Sewer System (MS4) Permit Amendment	<b>2016-03-21</b> State Water Board staff is working with Regional Water Board staff to develop the proposed amendment to Attachment G (titled Region-specific Total Maximum Daily Loads Implementation Requirements) of the existing Small MS4 Permit to include TMDL implementation requirements. State Water Board staff is preparing a draft permit amendment with input from Regional Water Board, stakeholder, and OCC. Per OCC direction, Staff is reviewing applicable Regional Board TMDLs for additional information to include within Attachment G and the Fact Sheet.	Statewide	SB
A-16	Phase I update of the Bay-Delta Plan:- San Joaquin River flows and southern Delta salinity.	<b>2016-02-18</b> 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 spring of 2016. Draft plan amendment to be brought to the Board for consideration by fall of 2016.	Statewide	SB
A-16	Petition Order for Central Valley Regional Board's Eastern San Joaquin Agricultural Order	<b>2016-03-30</b> 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. A Board workshop has been scheduled for May 4, 2016 at the Cal/EPA Building. The State Water Board expects to extend the written public comment period deadline to approximately two weeks after the May 4th Board workshop. The State Water Board will additionally schedule a second Board workshop to be held in Fresno, final date and location will be announced once finalized.	Statewide	SB
A-16	General Order of WDR for Discharges Related to Timberland Management in the Central Valley	<b>2016-03-28</b> Two public meetings were held to discuss changes to the current Timber Waiver of WDRs, this resulted in the drafting of a General Order. Two additional public meetings will be held in April to go over the working draft. Staff expects to take a final proposal to the board in the summer/fall of 2016.	Regional	R5

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-16	Mercury TMDL and Water Quality Objectives (Reservoirs)	<b>2016-03-16</b> Staff from Regional Water Boards 2, 5, and State Water Board are developing a TMDL and implementation plan to address fish mercury impairments in about 150 reservoirs around the state. Staff is preparing the scientific and technical analysis (source analysis, linkage, targets, allocations, and implementation plan options), and regulatory provisions for the objectives and implementation plan. Staff held focused stakeholder group meetings in 2014. In addition, staff met with a reservoir operators focus group four times to discuss and develop ideas and criteria for water chemistry and fisheries management pilot studies. Staff is preparing the draft staff report and planning reservoir outreach meetings.	Statewide	R5
A-16	Nonpoint Source (NPS) Implementation and Enforcement Policy Amendments	<b>2016-02-24</b> 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. Staff anticipates releasing a draft of the NPS Policy amendments in late May 2016.	Statewide	SB
A-16	Water Recycling Requirements for Recycled Water Use	<b>2016-04-04</b> This statewide general order is intended to replace General Waste Discharge Requirements for the use of Recycled Water (2014-0090-DWQ). This general order recognize recycled water as a resource and further streamline permitting of recycled water projects. Recycled water covered under this General Order is primarily treated municipal wastewater. The scope of the general order otherwise remain the same, the general order will be used to streamline permitting non-potable recycled water projects. Potable reuse projects are not eligible for permitting under this general order. Staff posted the draft permit for public comment on January 21, 2016. The public comment period ended on February 22, 2016. Staff received a total of 39 comment letters. Staff is working on response to comments. A separate 30-day public comment period will be scheduled in late April 2016 to address transition of existing enrollees under other Regional Board recycled water use orders. Tentatively, board adoption is scheduled for August 2016.	Statewide	SB
A-16	Underground Storage Tank Electronic Reporting	<b>2016-03-16</b> State Water Board staff is preparing a formal rulemaking package which updates the California Code of Regulations, title 23 to require electronic reporting of data from the underground storage tank regulated community to the certified unified program agency (CUPA), and from the CUPA to the state. These regulations are consistent with Health and Safety Code section 25404(e)(4) requiring the submission of Unified Program data electronically through the California Environmental Reporting System (CERS). The proposed regulatory changes to title 23 will bring the regulations in-line with statutory requirements. No new requirements are being introduced in this update other than requiring submission of data electronically instead of on paper. Staff will initiate the formal rule making process this fall and present it to the Board for adoption in June 2016. The regulation package for Notice was submitted to the Office of Administrative Law (OAL) on 3/10/16. Anticipated start date of the public comment period is 3/25/16 with an end date of May 10 at noon.	Statewide	SB
A-16	Statewide General Waste Discharge Requirements Order for Wineries	<b>2016-04-04</b> State Water Board staff have prepared a concept paper for developing a statewide general order for wineries. A draft requirements matrix is in preparation with stakeholders. Initial meeting with wine industry representatives completed.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-16	Statewide General Permit for Discharges from Hydrostatic Testing and Site Dewatering of Natural Gas Facilities	<b>2016-03-23</b> State Water Board staff is working with stakeholders to develop a statewide general order to regulate discharges from hydrostatic testing and site dewatering activities of natural gas facilities. The proposed order will contain surface water discharge and land discharge requirements. Staff anticipates posting the draft permit, California Environmental Quality Act document, and a resolution to approve the California Environmental Quality Act document in late Spring 2016 for a 30-day public comment period, after preliminary permit development discussions with all interested parties. Staff anticipates presenting these items to the State Water Board for consideration of adoption in September 2016.	Statewide	SB
A-16	SB 83, Section 45 - Produced Water Pond Report	<b>2016-03-01</b> 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. 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	Bacteria Standards for Ocean and Inland Surface Waters	<b>2016-03-23</b> The State Water Board is developing proposed statewide bacteria water quality objectives and a proposed control program to protect human health in waters designated for water contact recreation (REC-1) from the effects of pathogens. The bacteria objectives are proposed to be adopted as amendments to the Statewide Inland Surface Waters, Enclosed Bays and Estuaries Plan and the California Ocean Plan. State Water Board staff compiled comments from focused stakeholder meetings held in 2014 and 2015. See <a href="http://www.swrcb.ca.gov/bacterialobjectives/docs/notice_bacteria_objectives.pdf">http://www.swrcb.ca.gov/bacterialobjectives/docs/notice_bacteria_objectives.pdf</a> for more information about the scoping meetings. Staff is preparing the Staff Report. Staff plans to release draft documents for public review and comment in July of 2016. State Board Web site: <a href="http://www.waterboards.ca.gov/bacterialobjectives/">http://www.waterboards.ca.gov/bacterialobjectives/</a>	Statewide	SB
A-17	Nutrient Numeric Endpoints Tools	<b>2016-03-23</b> 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, a Science Panel, and expanded a Regulatory Advisory Group for the nutrients in wadeable streams project. The Science Panel met at a Southern California Coastal Watershed Research Project meeting in June 2015 to review the Science Plan. The Science Panel was generally supportive of the Science Plan. A written report from the Science Panel was received in July 2015. Webinars were held for stakeholders on August 21 and 26, 2015 to discuss the results of modeling approaches. Staff plans to continue outreach efforts by having Focus Group meetings from February 2016 to July 2016. An outreach document is available for public review at the State Water Board's website on the nutrient objectives webpage. Southern California Coastal Water Research Project (SCCWRP) staff are still researching and developing the biological condition gradient model that will be used in the assessment of the effects of nutrients on stream biological conditions. Scientific Peer Review (Public Release) is anticipated for late 2017.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-17	Phase II update of the Bay-Delta Plan: Comprehensive Review	<b>2016-03-03</b> 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 Scientific Basis Report is expected to be released for public review in spring 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 Water Quality Objectives & Implementation	<b>2016-03-23</b> In coordination with the Reservoir Mercury TMDL team, staff is preparing mercury water quality objectives and a plan of implementation. Focus group meetings began in June 2014 and continued through October 2014. The draft staff report and the draft regulatory language are expected to be sent for peer review on May 1, 2016.	Statewide	SB
*A-17	Maximum Contaminant Level (MCL) for 1,2,3-Trichloropropane (1,2,3-TCP)	<b>2016-03-23</b> Division of Drinking Water staff is in the process of drafting the regulation and is working on the CEQA analysis, developing the Standardized Regulatory Impact Assessment (Major Regulation, and initiating the external scientific peer review process. Prior to proposing an MCL for 1,2,3-TCP, staff plans on holding workshops which will be followed by a public meeting to present the proposed MCL to the public for comment. The MCL is anticipated to be adopted in the spring of 2017.	Statewide	SB
*A-17	Antidegradation Policy	<b>2016-03-15</b> 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 is considering preparation of tools and references to address application of the Antidegradation Policy to groundwater. Staff is entering into a contract with UC Davis using discretionary contract and GAMA funds to assist the permitting agency in evaluating the effectiveness of potential groundwater quality improvement strategies, predicting potential changes to groundwater quality under various scenarios, predicting time frames for sustainability, and estimating ambient groundwater quality for any given time period. Staff is also evaluating the possibility of compiling a resource for best practicable treatment or control.	Statewide	SB
A-17	Biological Integrity Plan Development	<b>2016-03-23</b> State Water Board staff is developing a proposed Implementation Plan for Assessing Biological Integrity of perennial freshwater streams. The goal is to set biological expectations to ensure protection and restoration of aquatic life beneficial uses in these waterbodies and to incorporate additional bioassessment monitoring and assessment into the Water Boards regulatory programs. Staff is revising the existing draft Biological Integrity Plan based on the feedback from stakeholders and advisory groups. Staff is working on an outreach document for Focus Groups that should be ready for management review in May 2016.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-17	Blue Green Algae Action Levels	<b>2016-03-01</b> 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 Monitoring Council on issues related to CCHABs.	Statewide	SB
*A-17	Sediment Quality Objectives (SQOs) for Enclosed Bays and Estuaries: Phase II*	<b>2016-03-01</b> Water Board staff is developing a methodology to implement and assess sediment quality in relation to the narrative human health SQO that protects human consumers from contaminants that bioaccumulate from the sediment into fish tissue. Staff is using the Los Angeles Long Beach Harbors TMDL as a case study to address many of the issues associated with the human health implementation framework as well as addressing other questions related to the application of SQOs as TMDL targets. Several groups and committees, including the SQO Advisory Committee, the Agency Coordination Committee, and the Harbor Technical Work Group (HTWG), are collaborating on studies that will assist in the development, testing, and implementation of Phase II SQOs. Staff presented an information item to the State Board on October 7, 2015. The SQO's are under development. Staff anticipates that the case study and test drive will be completed by late next year followed by release of draft documents in February 2017.	Statewide	SB
*A	Onsite Wastewater Treatment Systems (OWTS) Policy Implementation	<b>2016-03-23</b> 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.	Statewide	SB
A	Chlorine Amendment	<b>2015-11-19</b> 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	<b>2015-12-03</b> A draft natural source issue paper has been submitted to the Basin Planning Roundtable for review and comment. Issues include recommendations for making designations where natural background exceeds the water quality objectives. The Regional Board staff and U.S. EPA agreed that additional work was needed to define a \"Natural\" source.	Statewide	SB
A	New winery waste guidelines	<b>2016-03-25</b> 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	USFS MOU for BAER activities	<b>2016-03-28</b> Staff has engaged the USFS in drafting an MOU that will outline the process by which the Regional Boards may choose to participate in USFS Burned Area Emergency Response (BAER) teams. Temporarily on hold due to vacancies at the regional USFS office.	Regional	R5

Key	Item	Status	Statewide or Regional Project	Org. Lead
A	Development of permit for Federal Non-Point Source activities on Forest Lands	<b>2016-03-28</b> R5 staff is working with the USFS and the BLM to develop a waiver of WDRs to cover NPS activities with the potential to affect water quality. An EIR will be developed to address CEQA.	Regional	R5
A	Delta Regional Monitoring Program- RMP	<b>2016-03-16</b> The Delta RMP has a monitoring design for toxicity/pesticides, pathogens, mercury, and nutrients and a workplan for FY15/16. Pathogen sampling began in April and pesticide and toxicity began in July 2015. In December 2015 the Steering Committee began discussing a process for multi-year planning and review of the overall monitoring design. In April 2016 the Steering Committee will be working on the FY16/17 monitoring plan, including nutrients.	Statewide	SB
A	Revision of General Order for Existing Dairies	<b>2016-03-24</b> Revision of Revised General Order R5-2013-0122 to include requirements for land application areas consistent with the Irrigated Lands Regulatory Program requirements. Will draft revisions following the issuance of the General Order for Bovine Feedlots.	Regional	R5
A	Groundwater Quality Protection Strategy	<b>2016-03-25</b> 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. Staff will be finalizing the Addendum to incorporate Board input and will be posted by May 2016. Workplan for ongoing and new actions is under development. (Staff contact person, Pam Buford)	Regional	R5
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	<b>2016-03-25</b> 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 scheduled for 22 June 2016 with submittal of final SNMP in 2016. (Staff contact person, Jeanne Chilcott)	Regional	R5

Key	Item	Status	Statewide or Regional Project	Org. Lead
A	Cadmium Objective and Hardness Implementation Policy	<b>2016-03-01</b> In response to a Jeopardy Biological Opinion by the National Marine Fisheries Service on U.S. EPA's 304(a) recommended acute aquatic life cadmium criterion in the state of Oregon, U.S. EPA's Office of Water is updating its national cadmium criteria. Currently, staff is awaiting U.S. EPA direction. This action will be a priority for U.S. EPA once the revised criteria are issued.	Statewide	SB
A	Suction Dredge Mining Activity	<b>2016-03-01</b> Senate Bill 637 updated the Water Code and Fish and Game Code to allow issuance of permits for suction dredge mining if certain conditions are certified by the Department of Fish and Wildlife and if permits are issued by the Department of Fish and Wildlife, but only once a permit is issued by the State Water Board. Accordingly, the State Water Board may resume the effort to develop a statewide general permit or other regulatory framework. Senate Bill 637 first requires Water Boards staff to conduct stakeholder outreach in areas where Department of Fish and Wildlife suction dredge mining permits were issued before the moratorium was imposed. Water Boards staff is consulting with the Department of Fish and Wildlife to determine next steps.	Statewide	SB
C	Implement Mercury TMDL/Control Program in Cache Creek Watershed - Sacramento River and San Joaquin River Basin Plan	<b>2016-03-16</b> Mining waste at six mercury mines in the upper Cache Creek watershed was tentatively scheduled to be consolidated and covered in 2014 to prevent continued erosion of mercury sediment into Sulphur Creek, a tributary to Cache Creek. Permitting delays associated with review and approval of the project by the US Army Corps of Engineers has delayed the mine cleanups.	Regional	R5
P	Water Effects Ratio	<b>2016-03-15</b> The project will help develop 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	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	<b>2016-03-25</b> Use Attainability Analysis was conducted to demonstrate the current beneficial uses assigned to West Squaw Creek, a stream heavily impacted by acid mine drainage, are not achievable. Specifically, the stream cannot support fish and other pH or metal sensitive aquatic species and spawning of selected fish species defined in the Basin Plan. A Staff Report including the proposed amendments and CEQA functional equivalent document was presented to the Regional Board on 9 July 2004. The Regional Board adopted Resolution R5-2004-0090 which included the UAA, Staff Report, Functional Equivalent Document and proposed amendments. BPA not approved by State Board. Staff gathering additional information to respond to State Board and USEPA comments. Expected completion date 2016.	Regional	R5
P	New Manual of Good Practice for Land Application of Food Processing/Rinse Water	<b>2016-03-25</b> Industry recommendations have been reviewed by CV-SALTS Management Practices Subcommittee. Currently the CV-SALTS Management Practices Subcommittee is on hold while salinity management alternatives are being evaluated.	Regional	R5

**LEGEND**

Orange = Targeted for completion in 2015 (A-15)

Light Green = Targeted for completion in 2016 (A-16)

Lavender = Targeted for completion in 2017 (A-17)

Gray = Suspended or No statewide effort at this time or Pending (P)

Note: \* indicates Board Priority

## ATTACHMENT A - Sanitary Sewer Spills - Summary Report

Count of Spills for December 2015 through January 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	
December 2015	2	2	9	13	1	0	3	4	4	3	202	209	226
January 2016	0	1	15	16	3	0	1	4	9	2	188	199	219
<b>Total</b>	<b>2</b>	<b>3</b>	<b>24</b>	<b>29</b>	<b>4</b>	<b>0</b>	<b>4</b>	<b>8</b>	<b>13</b>	<b>5</b>	<b>390</b>	<b>408</b>	<b>445</b>

Spill Cause	Count of Spills	%
Root Intrusion	275	61.8%
Debris-General	61	13.7%
Grease Deposition (FOG)	42	9.4%
Pipe Structural Problem/Failure	20	4.5%
Debris from Lateral	9	2.0%
Debris-Rags	9	2.0%
Vandalism	6	1.3%
Other	6	1.3%
Operator error	3	0.7%
Pump Station Failure-Power	3	0.7%
Debris from Construction	2	0.4%
Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure	1	0.2%
Construction Diversion Failure	1	0.2%
CS Maintenance Caused Spill/Damage	1	0.2%
Damage by Others Not Related to CS Construction/Maintenance	1	0.2%
Inappropriate Discharge to CS	1	0.2%
Non-Dispersables	1	0.2%
Pump Station Failure-Controls	1	0.2%
Pump Station Failure-Mechanical	1	0.2%
Rainfall Exceeded Design, I and I (Separate CS Only)	1	0.2%
<b>Grand Total</b>	<b>445</b>	<b>100%</b>

**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 property

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

**ATTACHMENT A - Sanitary Sewer Overflow (SSO) Spills - December 2015 through January 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
5R	City Of Oroville CS	5SSO10799	820280	Certified	Category 1	MH J28	Butte	Yes	150,000	150,000	12/14/2015	Root Intrusion
5F	Reedley, City Of CS	5SSO10757	820142	Certified	Category 1	Reed Avenue Manhole 872 (1128 s. Reed Ave) Reedley, CA 93654	Fresno	Yes	201,000	40,000	12/8/2015	Pipe Structural Problem/Failure
5S	Angels Camp CS	5SSO10865	820910	Certified	Category 1	Spray Fields	Calaveras	Yes	71,554	23,851	1/12/2016	Pipe Structural Problem/Failure
5R	Redding City CS	5SSO10801	821058	Certified	Category 1	851 Mission De Oro Dr.	Shasta	Yes	10,500	9,500	1/13/2016	Other (specify below)
5R	Redding City CS	5SSO10801	820848	Certified	Category 1	Manhole M11-20, just east of 1681 E. Cypress St.	Shasta	Yes	5,550	5,550	1/5/2016	Rainfall Exceeded Design, I and I (Separate CS Only)
5S	Modesto CS	5SSO11001	820435	Certified	Category 1	2609 Surrey Ave	Stanislaus	Yes	3,058	3,058	12/24/2015	Grease Deposition (FOG)
5F	Reedley, City Of CS	5SSO10757	820243	Certified	Category 1	Several Manholes (MH-1012 on Carpenter Ave. & Cyrier Ave being main	Fresno	Yes	3,750	2,750	12/10/2015	Construction Diversion Failure
5S	Sacramento Area Sewer District CS	5SSO10912	821280	Certified	Category 1	153570	Sacramento	Yes	1,825	1,825	1/23/2016	Grease Deposition (FOG)
5S	Sacramento Area Sewer District CS	5SSO10912	821331	Certified	Category 1	153696	Sacramento	Yes	1,940	1,740	1/12/2016	Grease Deposition (FOG)
5S	Rio Vista Waste Trt Facility CS	5SSO11037	820455	Certified	Category 1	Marina Lift Station	Solano	Yes	1,500	1,500	12/29/2015	Pump Station Failure-Mechanical
5S	Deer Creek CS	5SSO10923	820741	Certified	Category 1	DC-2016-01-01	El Dorado	Yes	763	763	1/4/2016	Root Intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	820877	Certified	Category 1	152642	Sacramento	Yes	673	637	1/8/2016	Debris-General
5S	El Dorado Hills CS	5SSO10941	820703	Certified	Category 1	EDH-2016-01-01	El Dorado	Yes	495	495	1/3/2016	Debris-General
5S	Amador City CS	5SSO10863	821467	Certified	Category 1	Manhole #114A - East of WWTF across Amador Creek from 10611 Fleehar	Amador	Yes	500	400	1/29/2016	Debris-Rags
5R	Red Bluff CS	5SSO10845	821274	Certified	Category 1	Park and Second st	Tehama	Yes	375	375	1/23/2016	Other (specify below)
5S	Rancho Murieta Community Service District CS	5SSO11487	820356	Certified	Category 1	15160 Jackson Road, Rancho Murieta, CA 95683	Sacramento	Yes	150	150	12/23/2015	Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure
5S	Sacramento Area Sewer District CS	5SSO10912	821047	Certified	Category 1	152928	Sacramento	Yes	50	46	1/14/2016	Grease Deposition (FOG)
5S	Deer Creek CS	5SSO10923	820154	Certified	Category 1	DC-2015-12-07	El Dorado	Yes	10	10	12/12/2015	Debris-Rags
5S	Nw Regional Waste Disp Fac CS	5SSO11015	821322	Certified	Category 1	3335 Lakeshore Blvd.	Lake	Yes	20	3	1/26/2016	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	822361	Certified	Category 3	152231	Sacramento	No	1	0	1/3/2016	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	822386	Certified	Category 3	152568	Sacramento	No	1	0	1/8/2016	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	822453	Certified	Category 3	153578	Sacramento	No	1	0	1/24/2016	Root intrusion
5R	Redding City CS	5SSO10801	820726	Certified	Category 3	1717 Benton Dr.	Shasta	No	1	0	12/28/2015	Root Intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	821482	Certified	Category 3	150609	Sacramento	No	1	0	12/3/2015	Operator error
5S	Sacramento Area Sewer District CS	5SSO10912	821484	Certified	Category 3	150613	Sacramento	No	1	0	12/3/2015	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	821511	Certified	Category 3	151041	Sacramento	No	1	0	12/9/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	821526	Certified	Category 3	151264	Sacramento	No	1	0	12/15/2015	Operator error
5S	Sacramento Area Sewer District CS	5SSO10912	821541	Certified	Category 3	151423	Sacramento	No	1	0	12/17/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	821552	Certified	Category 3	151523	Sacramento	No	1	0	12/20/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	821553	Certified	Category 3	151517	Sacramento	No	1	0	12/20/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	821573	Certified	Category 3	151718	Sacramento	No	1	0	12/22/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	821599	Certified	Category 3	151900	Sacramento	No	1	0	12/28/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	821609	Certified	Category 3	151996	Sacramento	No	1	0	12/30/2015	Operator error
5S	City of Stockton MUD CS	5SSO11433	819922	Certified	Category 3	328 W Magnolia St.	San Joaquin	No	1	0	12/1/2015	Debris-General
5S	City of Stockton MUD CS	5SSO11433	820648	Certified	Category 3	1150 William Moss Blvd Stockton Ca	San Joaquin	No	1	0	12/30/2015	Grease Deposition (FOG)
5F	Kern Sanitation Authority CS	5SSO10737	820774	Certified	Category 3	2308 Berger	Kern	No	2	0	1/5/2016	Grease Deposition (FOG)
5S	Dry Creek CS	5SSO10935	821374	Certified	Category 3	1302 Hedgerow	Placer	No	2	0	1/6/2016	Root Intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	822337	Certified	Category 3	152094	Sacramento	No	2	0	1/1/2016	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	822339	Certified	Category 3	152097	Sacramento	No	2	0	1/1/2016	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	822364	Certified	Category 3	152282	Sacramento	No	2	0	1/5/2016	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	822371	Certified	Category 3	152448	Sacramento	No	2	0	1/7/2016	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	822372	Certified	Category 3	152474	Sacramento	No	2	0	1/6/2016	Debris-General
5S	Sacramento Area Sewer District CS	5SSO10912	822383	Certified	Category 3	152562	Sacramento	No	2	0	1/8/2016	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	822387	Certified	Category 3	152570	Sacramento	No	2	0	1/9/2016	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	822390	Certified	Category 3	152586	Sacramento	No	2	0	1/10/2016	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	822394	Certified	Category 3	152596	Sacramento	No	2	0	1/10/2016	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	822401	Certified	Category 3	152704	Sacramento	No	2	0	1/11/2016	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	822404	Certified	Category 3	152745	Sacramento	No	2	0	1/12/2016	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	822412	Certified	Category 3	152857	Sacramento	No	2	0	1/12/2016	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	822423	Certified	Category 3	153090	Sacramento	No	2	0	1/16/2016	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	822424	Certified	Category 3	153102	Sacramento	No	2	0	1/16/2016	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	822431	Certified	Category 3	153150	Sacramento	No	2	0	1/18/2016	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	822450	Certified	Category 3	153572	Sacramento	No	2	0	1/24/2016	Grease deposition (FOG)
5S	Sacramento Area Sewer District CS	5SSO10912	822462	Certified	Category 3	153726	Sacramento	No	2	0	1/26/2016	Pipe Structural Problem/Failure
5S	Sacramento Area Sewer District CS	5SSO10912	822477	Certified	Category 3	153930	Sacramento	No	2	0	1/28/2016	Debris-General
5S	City of Stockton MUD CS	5SSO11433	820932	Certified	Category 3	6535 Ector Wy Stockton Ca.	San Joaquin	No	2	0	1/11/2016	Grease Deposition (FOG)
5S	City Of Folsom CS	5SSO10893	820047	Certified	Category 3	511 Wales Dr	Sacramento	No	2	0	12/1/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	821485	Certified	Category 3	150668	Sacramento	No	2	0	12/4/2015	Root intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	821487	Certified	Category 3	150684	Sacramento	No	2	0	12/4/2015	Root intrusion

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
SS	Sacramento Area Sewer District CS	5SSO10912	821505	Certified	Category 3	150996	Sacramento	No	2	0	12/9/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821506	Certified	Category 3	151008	Sacramento	No	2	0	12/10/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821524	Certified	Category 3	151260	Sacramento	No	2	0	12/14/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821532	Certified	Category 3	151330	Sacramento	No	2	0	12/16/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821538	Certified	Category 3	151417	Sacramento	No	2	0	12/17/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821548	Certified	Category 3	151492	Sacramento	No	2	0	12/19/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821559	Certified	Category 3	151584	Sacramento	No	2	0	12/21/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821560	Certified	Category 3	151589	Sacramento	No	2	0	12/21/2015	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	821564	Certified	Category 3	151661	Sacramento	No	2	0	12/22/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821586	Certified	Category 3	151813	Sacramento	No	2	0	12/26/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821587	Certified	Category 3	151817	Sacramento	No	2	0	12/26/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821588	Certified	Category 3	151818	Sacramento	No	2	0	12/26/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821589	Certified	Category 3	151820	Sacramento	No	2	0	12/26/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821597	Certified	Category 3	151855	Sacramento	No	2	0	12/28/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821604	Certified	Category 3	151962	Sacramento	No	2	0	12/29/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821608	Certified	Category 3	151990	Sacramento	No	2	0	12/30/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821610	Certified	Category 3	151998	Sacramento	No	2	0	12/30/2015	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	821615	Certified	Category 3	152053	Sacramento	No	2	0	12/31/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822343	Certified	Category 3	152116	Sacramento	No	3	0	1/2/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822354	Certified	Category 3	152153	Sacramento	No	3	0	1/3/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822355	Certified	Category 3	152156	Sacramento	No	3	0	1/3/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822357	Certified	Category 3	152158	Sacramento	No	3	0	1/3/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822362	Certified	Category 3	152239	Sacramento	No	3	0	1/4/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822365	Certified	Category 3	152296	Sacramento	No	3	0	1/5/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822367	Certified	Category 3	152385	Sacramento	No	3	0	1/2/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822368	Certified	Category 3	152394	Sacramento	No	3	0	1/6/2016	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	822373	Certified	Category 3	152490	Sacramento	No	3	0	1/7/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822385	Certified	Category 3	152564	Sacramento	No	3	0	1/8/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822391	Certified	Category 3	152587	Sacramento	No	3	0	1/10/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822392	Certified	Category 3	152594	Sacramento	No	3	0	1/10/2016	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	822411	Certified	Category 3	152849	Sacramento	No	3	0	1/13/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822416	Certified	Category 3	153009	Sacramento	No	3	0	1/14/2016	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	822427	Certified	Category 3	153127	Sacramento	No	3	0	1/17/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822429	Certified	Category 3	153140	Sacramento	No	3	0	1/18/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822432	Certified	Category 3	153155	Sacramento	No	3	0	1/18/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822446	Certified	Category 3	153479	Sacramento	No	3	0	1/22/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822448	Certified	Category 3	153523	Sacramento	No	3	0	1/22/2016	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	822461	Certified	Category 3	153711	Sacramento	No	3	0	1/25/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822466	Certified	Category 3	153794	Sacramento	No	3	0	1/26/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822470	Certified	Category 3	153870	Sacramento	No	3	0	1/27/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822478	Certified	Category 3	153940	Sacramento	No	3	0	1/28/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822483	Certified	Category 3	154026	Sacramento	No	3	0	1/30/2016	Root intrusion
SS	City of Stockton MUD CS	5SSO11433	821387	Certified	Category 3	2827 Village Green Ct	San Joaquin	No	3	0	1/21/2016	Debris from Lateral
SS	City of Woodland CS	5SSO10903	821270	Certified	Category 3	1511 Archer Dr	Yolo	No	3	0	1/17/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821470	Certified	Category 3	150449	Sacramento	No	3	0	12/1/2015	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	821471	Certified	Category 3	150480	Sacramento	No	3	0	12/1/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821476	Certified	Category 3	150506	Sacramento	No	3	0	12/2/2015	Other (specify)
SS	Sacramento Area Sewer District CS	5SSO10912	821477	Certified	Category 3	150525	Sacramento	No	3	0	12/2/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821483	Certified	Category 3	150611	Sacramento	No	3	0	12/3/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821496	Certified	Category 3	150808	Sacramento	No	3	0	12/7/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821514	Certified	Category 3	151103	Sacramento	No	3	0	12/11/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821515	Certified	Category 3	151143	Sacramento	No	3	0	12/12/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821517	Certified	Category 3	151161	Sacramento	No	3	0	12/13/2015	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	821518	Certified	Category 3	151163	Sacramento	No	3	0	12/13/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821521	Certified	Category 3	151213	Sacramento	No	3	0	12/13/2015	Vandalism
SS	Sacramento Area Sewer District CS	5SSO10912	821522	Certified	Category 3	151232	Sacramento	No	3	0	12/13/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821527	Certified	Category 3	151275	Sacramento	No	3	0	12/15/2015	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	821537	Certified	Category 3	151403	Sacramento	No	3	0	12/17/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821550	Certified	Category 3	151502	Sacramento	No	3	0	12/19/2015	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	821551	Certified	Category 3	151508	Sacramento	No	3	0	12/20/2015	Root intrusion

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
55	Sacramento Area Sewer District CS	55SO10912	821558	Certified	Category 3	151551	Sacramento	No	3	0	12/21/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	821562	Certified	Category 3	151618	Sacramento	No	3	0	12/22/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	821572	Certified	Category 3	151717	Sacramento	No	3	0	12/23/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	821575	Certified	Category 3	151739	Sacramento	No	3	0	12/23/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	821576	Certified	Category 3	151741	Sacramento	No	3	0	12/23/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	821585	Certified	Category 3	151812	Sacramento	No	3	0	12/26/2015	Debris-General
55	Sacramento Area Sewer District CS	55SO10912	821603	Certified	Category 3	151955	Sacramento	No	3	0	12/28/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	821613	Certified	Category 3	152035	Sacramento	No	3	0	12/30/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	821614	Certified	Category 3	152038	Sacramento	No	3	0	12/30/2015	Root intrusion
55	City of Woodland CS	55SO10903	820219	Certified	Category 3	161 Buckeye Street	Yolo	No	3	0	12/15/2015	Pipe Structural Problem/Failure
55	City of Woodland CS	55SO10903	820222	Certified	Category 3	1191 California Street	Yolo	No	3	0	12/12/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	822348	Certified	Category 3	152127	Sacramento	No	4	0	1/2/2016	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	822351	Certified	Category 3	152142	Sacramento	No	4	0	1/3/2016	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	822363	Certified	Category 3	152248	Sacramento	No	4	0	1/3/2016	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	822369	Certified	Category 3	152418	Sacramento	No	4	0	1/6/2016	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	822374	Certified	Category 3	152492	Sacramento	No	4	0	1/7/2016	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	822377	Certified	Category 3	152527	Sacramento	No	4	0	1/8/2016	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	822389	Certified	Category 3	152585	Sacramento	No	4	0	1/9/2016	Vandalism
55	Sacramento Area Sewer District CS	55SO10912	822398	Certified	Category 3	152633	Sacramento	No	4	0	1/11/2016	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	822402	Certified	Category 3	152733	Sacramento	No	4	0	1/11/2016	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	822409	Certified	Category 3	152841	Sacramento	No	4	0	1/13/2016	Debris-General
55	Sacramento Area Sewer District CS	55SO10912	822426	Certified	Category 3	153122	Sacramento	No	4	0	1/17/2016	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	822430	Certified	Category 3	153147	Sacramento	No	4	0	1/18/2016	Debris-General
55	Sacramento Area Sewer District CS	55SO10912	822433	Certified	Category 3	153189	Sacramento	No	4	0	1/19/2016	Pipe Structural Problem/Failure
55	Sacramento Area Sewer District CS	55SO10912	822434	Certified	Category 3	153221	Sacramento	No	4	0	1/19/2016	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	822439	Certified	Category 3	153290	Sacramento	No	4	0	1/20/2016	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	822468	Certified	Category 3	153840	Sacramento	No	4	0	1/27/2016	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	822471	Certified	Category 3	153873	Sacramento	No	4	0	1/27/2016	Debris-General
55	Sacramento Area Sewer District CS	55SO10912	822482	Certified	Category 3	154013	Sacramento	No	4	0	1/30/2016	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	821474	Certified	Category 3	150501	Sacramento	No	4	0	12/2/2015	Pipe Structural Problem/Failure
55	Sacramento Area Sewer District CS	55SO10912	821480	Certified	Category 3	150540	Sacramento	No	4	0	12/2/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	821490	Certified	Category 3	150694	Sacramento	No	4	0	12/5/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	821491	Certified	Category 3	150716	Sacramento	No	4	0	12/5/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	821509	Certified	Category 3	151019	Sacramento	No	4	0	12/9/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	821523	Certified	Category 3	151245	Sacramento	No	4	0	12/15/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	821533	Certified	Category 3	151331	Sacramento	No	4	0	12/16/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	821556	Certified	Category 3	151530	Sacramento	No	4	0	12/21/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	821568	Certified	Category 3	151699	Sacramento	No	4	0	12/23/2015	Pipe Structural Problem/Failure
55	Sacramento Area Sewer District CS	55SO10912	821571	Certified	Category 3	151713	Sacramento	No	4	0	12/23/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	821591	Certified	Category 3	151828	Sacramento	No	4	0	12/26/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	821602	Certified	Category 3	151912	Sacramento	No	4	0	12/29/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	821607	Certified	Category 3	151973	Sacramento	No	4	0	12/29/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	821611	Certified	Category 3	152000	Sacramento	No	4	0	12/30/2015	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	821617	Certified	Category 3	152074	Sacramento	No	4	0	12/31/2015	Root intrusion
5F	City Of Bakersfield CS	55SO10717	821772	Certified	Category 3	5525 Dustin St	Kern	No	5	0	1/22/2016	Grease Deposition (FOG)
55	Lathrop CS to Manteca WQCF CS	55SO10897	822031	Certified	Category 3	Manhole at 16145 Bizzibe Street	San Joaquin	No	5	0	1/26/2016	Grease Deposition (FOG)
55	Sacramento Area Sewer District CS	55SO10912	822344	Certified	Category 3	152121	Sacramento	No	5	0	1/2/2016	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	822349	Certified	Category 3	152135	Sacramento	No	5	0	1/2/2016	Debris-General
55	Sacramento Area Sewer District CS	55SO10912	822350	Certified	Category 3	152140	Sacramento	No	5	0	1/2/2016	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	822384	Certified	Category 3	152563	Sacramento	No	5	0	1/8/2016	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	822418	Certified	Category 3	153055	Sacramento	No	5	0	1/13/2016	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	822420	Certified	Category 3	153077	Sacramento	No	5	0	1/15/2016	Debris-General
55	Sacramento Area Sewer District CS	55SO10912	822428	Certified	Category 3	153138	Sacramento	No	5	0	1/18/2016	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	822441	Certified	Category 3	153334	Sacramento	No	5	0	1/20/2016	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	822454	Certified	Category 3	153584	Sacramento	No	5	0	1/24/2016	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	822459	Certified	Category 3	153670	Sacramento	No	5	0	1/25/2016	Pipe Structural Problem/Failure
55	Sacramento Area Sewer District CS	55SO10912	822472	Certified	Category 3	153874	Sacramento	No	5	0	1/27/2016	Debris-General
55	Sacramento Area Sewer District CS	55SO10912	822473	Certified	Category 3	153875	Sacramento	No	5	0	1/26/2016	Root intrusion
55	Sacramento Area Sewer District CS	55SO10912	822484	Certified	Category 3	154027	Sacramento	No	5	0	1/30/2016	Vandalism
55	City of Stockton MUD CS	55SO11433	820879	Certified	Category 3	6126 Maywood Ln	San Joaquin	No	5	0	1/10/2016	Debris from Lateral

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
SS	City of Stockton MUD CS	5SSO11433	821362	Certified	Category 3	4860 Kentfield Rd	San Joaquin	No	5	0	1/26/2016	Debris from Lateral
SS	Sacramento Area Sewer District CS	5SSO10912	821473	Certified	Category 3	150496	Sacramento	No	5	0	12/2/2015	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	5SSO10912	821493	Certified	Category 3	150762	Sacramento	No	5	0	12/7/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821504	Certified	Category 3	150995	Sacramento	No	5	0	12/8/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821508	Certified	Category 3	151018	Sacramento	No	5	0	12/10/2015	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	821516	Certified	Category 3	151154	Sacramento	No	5	0	12/12/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821520	Certified	Category 3	151201	Sacramento	No	5	0	12/14/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821531	Certified	Category 3	151329	Sacramento	No	5	0	12/15/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821543	Certified	Category 3	151457	Sacramento	No	5	0	12/18/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821546	Certified	Category 3	151484	Sacramento	No	5	0	12/19/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821554	Certified	Category 3	151520	Sacramento	No	5	0	12/20/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821555	Certified	Category 3	151528	Sacramento	No	5	0	12/20/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821561	Certified	Category 3	151598	Sacramento	No	5	0	12/21/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821581	Certified	Category 3	151803	Sacramento	No	5	0	12/18/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821584	Certified	Category 3	151811	Sacramento	No	5	0	12/26/2015	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	821592	Certified	Category 3	151829	Sacramento	No	5	0	12/26/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821596	Certified	Category 3	151844	Sacramento	No	5	0	12/27/2015	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	822005	Certified	Category 3	152076	Sacramento	No	5	0	12/31/2015	Debris-General
SS	City of Woodland CS	5SSO10903	820451	Certified	Category 3	10 Fiske Ave.	Yolo	No	5	0	12/22/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822338	Certified	Category 3	152096	Sacramento	No	6	0	1/1/2016	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	822345	Certified	Category 3	152122	Sacramento	No	6	0	1/1/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822359	Certified	Category 3	152162	Sacramento	No	6	0	1/4/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822360	Certified	Category 3	152216	Sacramento	No	6	0	1/4/2016	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	822415	Certified	Category 3	152980	Sacramento	No	6	0	1/14/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822417	Certified	Category 3	153040	Sacramento	No	6	0	1/15/2016	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	822435	Certified	Category 3	153224	Sacramento	No	6	0	1/19/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822476	Certified	Category 3	153913	Sacramento	No	6	0	1/25/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821468	Certified	Category 3	150391	Sacramento	No	6	0	12/1/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821486	Certified	Category 3	150676	Sacramento	No	6	0	12/4/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821501	Certified	Category 3	150945	Sacramento	No	6	0	12/9/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821535	Certified	Category 3	151376	Sacramento	No	6	0	12/16/2015	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	821566	Certified	Category 3	151666	Sacramento	No	6	0	12/22/2015	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	821600	Certified	Category 3	151901	Sacramento	No	6	0	12/28/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821601	Certified	Category 3	151907	Sacramento	No	6	0	12/28/2015	Root intrusion
SS	City of Stockton MUD CS	5SSO11433	819960	Certified	Category 3	1767 Funston Ave Stockton Ca	San Joaquin	No	6	0	12/2/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822379	Certified	Category 3	152542	Sacramento	No	7	0	1/8/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822425	Certified	Category 3	153119	Sacramento	No	7	0	1/16/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822463	Certified	Category 3	153727	Sacramento	No	7	0	1/25/2016	Root intrusion
SS	Dry Creek CS	5SSO10935	820331	Certified	Category 3	524 Main St	Placer	No	7	0	12/9/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821469	Certified	Category 3	150446	Sacramento	No	7	0	12/1/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821479	Certified	Category 3	150530	Sacramento	No	7	0	12/2/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821503	Certified	Category 3	150992	Sacramento	No	7	0	12/9/2015	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	5SSO10912	821513	Certified	Category 3	151078	Sacramento	No	7	0	12/11/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821565	Certified	Category 3	151665	Sacramento	No	7	0	12/22/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821570	Certified	Category 3	151710	Sacramento	No	7	0	12/23/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821574	Certified	Category 3	151736	Sacramento	No	7	0	12/23/2015	Root intrusion
SS	City of Stockton MUD CS	5SSO11433	820396	Certified	Category 3	4203 Coronado Av	San Joaquin	No	7	0	12/23/2015	Debris from Lateral
SS	Sacramento Area Sewer District CS	5SSO10912	822382	Certified	Category 3	152560	Sacramento	No	8	0	1/8/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822399	Certified	Category 3	152643	Sacramento	No	8	0	1/10/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822406	Certified	Category 3	152781	Sacramento	No	8	0	1/11/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822410	Certified	Category 3	152842	Sacramento	No	8	0	1/13/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822413	Certified	Category 3	152860	Sacramento	No	8	0	1/13/2016	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	822419	Certified	Category 3	153070	Sacramento	No	8	0	1/15/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822443	Certified	Category 3	153410	Sacramento	No	8	0	1/21/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822456	Certified	Category 3	153612	Sacramento	No	8	0	1/24/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822479	Certified	Category 3	153943	Sacramento	No	8	0	1/27/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821536	Certified	Category 3	151378	Sacramento	No	8	0	12/16/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821624	Certified	Category 3	152107	Sacramento	No	8	0	12/31/2015	Root intrusion
SS	City of Woodland CS	5SSO10903	820223	Certified	Category 3	1125 Third St	Yolo	No	8	0	12/14/2015	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	822440	Certified	Category 3	153310	Sacramento	No	9	0	1/20/2016	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	5SSO10912	821472	Certified	Category 3	150484	Sacramento	No	9	0	12/1/2015	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	821595	Certified	Category 3	151843	Sacramento	No	9	0	12/27/2015	Root intrusion
SS	City Of Folsom CS	5SSO10893	821640	Certified	Category 3	110 Strouse Ct	Sacramento	No	10	0	1/28/2016	Root intrusion
SS	City Of Lakeport CS	5SSO10896	820854	Certified	Category 3	840 Central Park	Lake	No	10	0	1/8/2016	Root intrusion
SS	Dry Creek CS	5SSO10935	821313	Certified	Category 3	405 Fourth St	Placer	No	10	0	1/8/2016	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	5SSO10912	822352	Certified	Category 3	152143	Sacramento	No	10	0	1/3/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822380	Certified	Category 3	152554	Sacramento	No	10	0	1/8/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822408	Certified	Category 3	152816	Sacramento	No	10	0	1/13/2016	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	822414	Certified	Category 3	152932	Sacramento	No	10	0	1/14/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822449	Certified	Category 3	153553	Sacramento	No	10	0	1/21/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822455	Certified	Category 3	153596	Sacramento	No	10	0	1/25/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822467	Certified	Category 3	153806	Sacramento	No	10	0	1/27/2016	Root intrusion
SS	City of Sacramento Combined CS	5SSO10901-C	820824	Certified	Category 3	2833 33rd STREET, SACRAMENTO, CA	Sacramento	No	10	0	1/5/2016	Debris-General
SS	Davis CS	5SSO10921	820277	Certified	Category 3	340 Fstreet	Yolo	No	10	0	12/18/2015	Pipe Structural Problem/Failure
SS	Davis CS	5SSO10921	820410	Certified	Category 3	1624 Tamarack Lane	Yolo	No	10	0	12/26/2015	Root intrusion
SS	City Of Folsom CS	5SSO10893	820306	Certified	Category 3	628 Plum Creek	Sacramento	No	10	0	12/5/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821498	Certified	Category 3	150879	Sacramento	No	10	0	12/8/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821500	Certified	Category 3	150941	Sacramento	No	10	0	12/9/2015	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	5SSO10912	821507	Certified	Category 3	151014	Sacramento	No	10	0	12/10/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821530	Certified	Category 3	151322	Sacramento	No	10	0	12/15/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821539	Certified	Category 3	151421	Sacramento	No	10	0	12/17/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821544	Certified	Category 3	151464	Sacramento	No	10	0	12/18/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821557	Certified	Category 3	151540	Sacramento	No	10	0	12/21/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821563	Certified	Category 3	151644	Sacramento	No	10	0	12/21/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821577	Certified	Category 3	151763	Sacramento	No	10	0	12/24/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821582	Certified	Category 3	151804	Sacramento	No	10	0	12/25/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821598	Certified	Category 3	151890	Sacramento	No	10	0	12/24/2015	Root intrusion
SS	City Of Antioch CS	5SSO10890	821064	Certified	Category 3	1008 E St Antioch Ca	Contra Costa	No	11	0	1/11/2016	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	5SSO10912	822366	Certified	Category 3	152348	Sacramento	No	11	0	1/5/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822397	Certified	Category 3	152603	Sacramento	No	11	0	1/10/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821489	Certified	Category 3	150687	Sacramento	No	11	0	12/4/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821497	Certified	Category 3	150813	Sacramento	No	11	0	12/7/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821528	Certified	Category 3	151276	Sacramento	No	11	0	12/15/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821590	Certified	Category 3	151827	Sacramento	No	11	0	12/26/2015	Root intrusion
SS	City Of Folsom CS	5SSO10893	821417	Certified	Category 3	198 Willow Creek	Sacramento	No	12	0	1/23/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822458	Certified	Category 3	153648	Sacramento	No	12	0	1/25/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821475	Certified	Category 3	150502	Sacramento	No	12	0	12/1/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821512	Certified	Category 3	151065	Sacramento	No	12	0	12/10/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821625	Certified	Category 3	152134	Sacramento	No	12	0	12/31/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822340	Certified	Category 3	152098	Sacramento	No	13	0	1/1/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822442	Certified	Category 3	153384	Sacramento	No	13	0	1/21/2016	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	821580	Certified	Category 3	151797	Sacramento	No	13	0	12/25/2015	Root intrusion
SS	City of Stockton MUD CS	5SSO11433	820459	Certified	Category 3	1805 Lucerne Av	San Joaquin	No	13	0	12/29/2015	Debris from Lateral
SS	Sacramento Area Sewer District CS	5SSO10912	821540	Certified	Category 3	151422	Sacramento	No	14	0	12/16/2015	Root intrusion
SS	City of Stockton MUD CS	5SSO11433	820460	Certified	Category 3	1627 E Anderson St	San Joaquin	No	14	0	12/29/2015	Debris from Lateral
SF	City Of Bakersfield CS	5SSO10717	821004	Certified	Category 3	3601 Rosedale Hwy	Kern	No	15	0	1/10/2016	Other (specify below)
SS	City Of Folsom CS	5SSO10893	821416	Certified	Category 3	1009 Figueroa St	Sacramento	No	15	0	1/20/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822405	Certified	Category 3	152774	Sacramento	No	15	0	1/12/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822438	Certified	Category 3	153286	Sacramento	No	15	0	1/20/2016	Root intrusion
SS	City of Stockton MUD CS	5SSO11433	821066	Certified	Category 3	430E Magnolia St.	San Joaquin	No	15	0	1/17/2016	Debris-General
SS	Davis CS	5SSO10921	820406	Certified	Category 3	1418 Lstreet	Yolo	No	15	0	12/24/2015	CS Maintenance Caused Spill/Damage
SS	Sacramento Area Sewer District CS	5SSO10912	821488	Certified	Category 3	150686	Sacramento	No	15	0	12/4/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821529	Certified	Category 3	151285	Sacramento	No	15	0	12/15/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821606	Certified	Category 3	151969	Sacramento	No	15	0	12/29/2015	Vandalism
SS	City Of Antioch CS	5SSO10890	821063	Certified	Category 3	3521 Davi Ct Antioch Ca	Contra Costa	No	16	0	1/11/2016	Other (specify below)
SS	Sacramento Area Sewer District CS	5SSO10912	822376	Certified	Category 3	152508	Sacramento	No	16	0	1/8/2016	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	821481	Certified	Category 3	150541	Sacramento	No	16	0	12/2/2015	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	822452	Certified	Category 3	153577	Sacramento	No	18	0	1/24/2016	Grease deposition (FOG)
SS	Modesto CS	5SSO11001	820269	Certified	Category 3	1230 13th St	Stanislaus	No	18	0	12/17/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821579	Certified	Category 3	151796	Sacramento	No	18	0	12/25/2015	Grease deposition (FOG)

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
SS	Sacramento Area Sewer District CS	5SSO10912	821593	Certified	Category 3	151830	Sacramento	No	18	0	12/26/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821583	Certified	Category 3	151810	Sacramento	No	19	0	12/26/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821594	Certified	Category 3	151842	Sacramento	No	19	0	12/27/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821622	Certified	Category 3	152091	Sacramento	No	19	0	12/31/2015	Root intrusion
5F	Taft City CS	5SSO10940	820776	Certified	Category 3	Pilgrim X Church	Kern	No	20	0	1/2/2016	Grease Deposition (FOG)
SS	White Slough Water Poll Con Pu CS	5SSO11084	822017	Certified	Category 3	430 Concord Lodi ca.	San Joaquin	No	20	0	1/10/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	822437	Certified	Category 3	153261	Sacramento	No	20	0	1/20/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822447	Certified	Category 3	153481	Sacramento	No	20	0	1/22/2016	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	822451	Certified	Category 3	153575	Sacramento	No	20	0	1/23/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822457	Certified	Category 3	153616	Sacramento	No	20	0	1/25/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822469	Certified	Category 3	153851	Sacramento	No	20	0	1/9/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822474	Certified	Category 3	153877	Sacramento	No	20	0	1/27/2016	Root intrusion
SS	Waterford CS	5SSO11080	821664	Certified	Category 3	Cherry & Pasadena	Stanislaus	No	20	0	1/28/2016	Grease Deposition (FOG)
5F	City Of Bakersfield CS	5SSO10717	820275	Certified	Category 3	Olive Street/Truxtun Ave	Kern	No	20	0	12/11/2015	Grease Deposition (FOG)
5R	Red Bluff CS	5SSO10845	820202	Certified	Category 3	1021 Union	Tehama	No	20	0	12/13/2015	Root Intrusion
SS	City Of Antioch CS	5SSO10890	820310	Certified	Category 3	2427 Robles Dr Antioch Ca	Contra Costa	No	20	0	12/10/2015	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	5SSO10912	821499	Certified	Category 3	150938	Sacramento	No	20	0	12/9/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821547	Certified	Category 3	151488	Sacramento	No	20	0	12/19/2015	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	822356	Certified	Category 3	152517	Sacramento	No	22	0	1/2/2016	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	821621	Certified	Category 3	152087	Sacramento	No	22	0	12/31/2015	Root intrusion
SS	White Slough Water Poll Con Pu CS	5SSO11084	822019	Certified	Category 3	114 E. Oak St. Lodi Ca.	San Joaquin	No	23	0	1/16/2016	Grease Deposition (FOG)
SS	Manteca CS	5SSO10993	821757	Certified	Category 3	900 Pine St	San Joaquin	No	23	0	1/9/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	822400	Certified	Category 3	152675	Sacramento	No	23	0	1/11/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822422	Certified	Category 3	153089	Sacramento	No	23	0	1/16/2016	Root intrusion
SS	City of Stockton MUD CS	5SSO11433	820927	Certified	Category 3	8351 Edgefield Ave.	San Joaquin	No	23	0	1/10/2016	Debris-General
SS	South Placer Mud CS	5SSO11054	821319	Certified	Category 3	462 Main St, Newcastle	Placer	No	23	0	12/2/2015	Root Intrusion
5F	City Of Bakersfield CS	5SSO10717	821056	Certified	Category 3	1031 H St	Kern	No	25	0	1/14/2016	Grease Deposition (FOG)
5R	Red Bluff CS	5SSO10845	821195	Certified	Category 3	85 Bellemill Rd	Tehama	No	25	0	1/14/2016	Pipe Structural Problem/Failure
SS	Davis CS	5SSO10921	820922	Certified	Category 3	515 E street	Yolo	No	25	0	1/12/2016	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	822396	Certified	Category 3	152602	Sacramento	No	25	0	1/10/2016	Root intrusion
SS	Turlock CS	5SSO11069	821700	Certified	Category 3	North Olive Spill	Stanislaus	No	25	0	1/16/2016	Debris from Construction
5F	City Of Bakersfield CS	5SSO10717	820314	Certified	Category 3	8900 Toluca Dr	Kern	No	25	0	12/20/2015	Grease Deposition (FOG)
5F	Ford City-Taft Heights CS	5SSO10730	820086	Certified	Category 3	10th Street at Ash	Kern	No	25	0	12/6/2015	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	821492	Certified	Category 3	150740	Sacramento	No	25	0	12/7/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821569	Certified	Category 3	151700	Sacramento	No	25	0	12/23/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821534	Certified	Category 3	151375	Sacramento	No	26	0	12/16/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821542	Certified	Category 3	151449	Sacramento	No	26	0	12/18/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822347	Certified	Category 3	152125	Sacramento	No	27	0	1/2/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822388	Certified	Category 3	152578	Sacramento	No	27	0	1/9/2016	Root intrusion
SS	Angels Camp CS	5SSO10865	821632	Certified	Category 3	1212 Minna Street	Calaveras	No	30	0	1/31/2016	Debris-General
SS	Davis CS	5SSO10921	821343	Certified	Category 3	1312 Eureka Avenue	Yolo	No	30	0	1/26/2016	Root Intrusion
SS	Lake Berryessa Resort CS	5SSO10981	821690	Certified	Category 3	113 Mustang Court	Napa	No	30	0	1/25/2016	Debris from Lateral
SS	Turlock CS	5SSO11069	820795	Certified	Category 3	Alex Circle Spill	Stanislaus	No	30	0	12/17/2015	Debris from Construction
SS	City of Stockton MUD CS	5SSO11433	821104	Certified	Category 3	1224 School Ave.	San Joaquin	No	31	0	1/17/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821545	Certified	Category 3	151477	Sacramento	No	34	0	12/18/2015	Debris-General
SS	Waterford CS	5SSO11080	820302	Certified	Category 3	Cherry Drive	Stanislaus	No	35	0	12/20/2015	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	821618	Certified	Category 3	152083	Sacramento	No	36	0	12/31/2015	Root intrusion
SS	Dry Creek CS	5SSO10935	821372	Certified	Category 3	6176 Crater Lake	Placer	No	40	0	1/11/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822465	Certified	Category 3	153789	Sacramento	No	40	0	1/26/2016	Debris-General
SS	Modesto CS	5SSO11001	820881	Certified	Category 3	3708 Springcreek Dr	Stanislaus	No	40	0	12/30/2015	Debris-Rags
SS	Sacramento Area Sewer District CS	5SSO10912	822403	Certified	Category 3	152744	Sacramento	No	42	0	1/11/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822378	Certified	Category 3	152536	Sacramento	No	43	0	1/8/2016	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	5SSO10912	822475	Certified	Category 3	153908	Sacramento	No	43	0	1/28/2016	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	822370	Certified	Category 3	152438	Sacramento	No	45	0	1/6/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822460	Certified	Category 3	152688	Sacramento	No	45	0	1/25/2016	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	821494	Certified	Category 3	150767	Sacramento	No	45	0	12/7/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822395	Certified	Category 3	152600	Sacramento	No	47	0	1/10/2016	Grease deposition (FOG)
5F	SA-2 Bass Lake CS	5SSO11319	820923	Certified	Category 3	53712 Acorn	Madera	No	50	0	1/9/2016	Debris-General
SS	Clearlake Oaks Co Wtr Dis CS	5SSO10906	820842	Certified	Category 3	11160 Lakeview Drive	Lake	No	50	0	1/8/2016	Root Intrusion
SS	Davis CS	5SSO10921	820728	Certified	Category 3	1607 L street Davis CA 95691	Yolo	No	50	0	1/3/2016	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	City Of Folsom CS	5SSO10893	821418	Certified	Category 3	1000 Sibley St	Sacramento	No	50	0	1/26/2016	Pipe Structural Problem/Failure
SS	City Of Antioch CS	5SSO10890	820439	Certified	Category 3	3006 View Dr Antioch, Ca	Contra Costa	No	50	0	12/28/2015	Debris-General
SS	Lake Berryessa Resort CS	5SSO10981	820037	Certified	Category 3	114 Sage Court	Napa	No	50	0	12/7/2015	Root Intrusion
SS	Lake Berryessa Resort CS	5SSO10981	820038	Certified	Category 3	114 Sage Court	Napa	No	50	0	12/7/2015	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822436	Certified	Category 3	153234	Sacramento	No	51	0	1/16/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821478	Certified	Category 3	150527	Sacramento	No	51	0	12/2/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821612	Certified	Category 3	152033	Sacramento	No	51	0	12/30/2015	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	821605	Certified	Category 3	151966	Sacramento	No	53	0	12/29/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822346	Certified	Category 3	152124	Sacramento	No	55	0	1/2/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822445	Certified	Category 3	153434	Sacramento	No	55	0	1/22/2016	Root intrusion
SS	Dry Creek CS	5SSO10935	820342	Certified	Category 3	503 Oak Ridge	Placer	No	59	0	12/17/2015	Root Intrusion
5F	City Of Bakersfield CS	5SSO10717	821774	Certified	Category 3	2800 Ashe Rd	Kern	No	60	0	1/26/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	822341	Certified	Category 3	152109	Sacramento	No	63	0	1/1/2016	Root intrusion
SS	Dry Creek CS	5SSO10935	820975	Certified	Category 3	901 Herbert St.	Placer	No	65	0	12/25/2015	Grease Deposition (FOG)
SS	Modesto CS	5SSO11001	821292	Certified	Category 3	1520 Roosevelt Dr	Stanislaus	No	68	0	1/12/2016	Debris-Rags
SS	Sacramento Area Sewer District CS	5SSO10912	822281	Certified	Category 3	152346	Sacramento	No	69	0	1/20/2016	Root Intrusion
SS	Martell CS	5SSO11460	820717	Certified	Category 3	12548 Kennedy Flat Rd	Amador	No	75	0	12/17/2015	Debris-General
SS	Turlock CS	5SSO11069	820796	Certified	Category 3	North Laurel Spill	Stanislaus	No	75	0	12/27/2015	Debris-Rags
SS	Dry Creek CS	5SSO10935	820369	Certified	Category 3	503 Bedford Ct	Placer	No	79	0	12/18/2015	Root Intrusion
SS	Southeast Regional Waste Disp Fac CS	5SSO11055	820442	Certified	Category 3	Austin Rd. & Cottonwood Street	Lake	No	80	0	12/29/2015	Grease Deposition (FOG)
SS	Manteca CS	5SSO10993	820673	Certified	Category 3	1130 Sutter	San Joaquin	No	81	0	12/18/2015	Grease Deposition (FOG)
SS	City of Stockton MUD CS	5SSO11433	820437	Certified	Category 3	4521 Burnham Ci	San Joaquin	No	88	0	12/28/2015	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822421	Certified	Category 3	153087	Sacramento	No	90	0	1/16/2016	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	821578	Certified	Category 3	151769	Sacramento	No	97	0	12/24/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822480	Certified	Category 3	153944	Sacramento	No	100	0	1/28/2016	Root intrusion
SS	Pacific Gardens Sanitary District CS	5SSO11480	822501	Certified	Category 3	4269 Yacht Harbor	San Joaquin	No	100	0	1/22/2016	Root intrusion
SS	City Of Antioch CS	5SSO10890	820438	Certified	Category 3	253 William Reed Dr Antioch, Ca	Contra Costa	No	100	0	12/28/2015	Pipe Structural Problem/Failure
SS	Modesto CS	5SSO11001	820878	Certified	Category 3	2206 San Lucas Ct	Stanislaus	No	100	0	12/31/2015	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822381	Certified	Category 3	152557	Sacramento	No	104	0	1/8/2016	Root intrusion
5F	Ford City-Taft Heights CS	5SSO10730	820778	Certified	Category 3	401 Monroe	Kern	No	105	0	1/2/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	5SSO10912	822358	Certified	Category 3	152159	Sacramento	No	106	0	1/3/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821567	Certified	Category 3	151690	Sacramento	No	106	0	12/22/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821616	Certified	Category 3	152070	Sacramento	No	110	0	12/31/2015	Debris-General
SS	City of Stockton MUD CS	5SSO11433	820695	Certified	Category 3	610 N. Monroe St.	San Joaquin	No	111	0	12/31/2015	Root Intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821623	Certified	Category 3	152093	Sacramento	No	119	0	12/31/2015	Root intrusion
SS	Deer Creek CS	5SSO10923	820150	Certified	Category 3	DC-2015-12-06	El Dorado	No	120	0	12/6/2015	Non-Dispersables
SS	Sacramento Area Sewer District CS	5SSO10912	821519	Certified	Category 3	151183	Sacramento	No	121	0	12/14/2015	Debris-General
SS	Sacramento Area Sewer District CS	5SSO10912	821619	Certified	Category 3	152084	Sacramento	No	130	0	12/31/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822407	Certified	Category 3	152794	Sacramento	No	134	0	1/12/2016	Root intrusion
SS	Modesto CS	5SSO11001	820227	Certified	Category 3	1207 I St	Stanislaus	No	135	0	12/7/2015	Grease Deposition (FOG)
SS	Manteca CS	5SSO10993	821764	Certified	Category 3	Watson /Yosemite	San Joaquin	No	144	0	1/23/2016	Grease Deposition (FOG)
5F	Atwater CS	5SSO10716	821881	Certified	Category 3	Bellvue and Buhach	Merced	No	150	0	1/31/2016	Pump Station Failure-Power
SS	Sacramento Area Sewer District CS	5SSO10912	822444	Certified	Category 3	153411	Sacramento	No	159	0	1/21/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822393	Certified	Category 3	152595	Sacramento	No	189	0	1/10/2016	Grease deposition (FOG)
SS	Manteca CS	5SSO10993	821762	Certified	Category 3	1267 Cooper St	San Joaquin	No	198	0	1/9/2016	Grease Deposition (FOG)
SS	City Of Folsom CS	5SSO10893	820917	Certified	Category 3	706 E. Bidwell St.	Sacramento	No	200	0	1/10/2016	Grease Deposition (FOG)
5F	Tehachapi Correctional Inst CS	5SSO10763	819924	Certified	Category 3	California Correctional Institution, Tehachapi	Kern	No	200	0	12/2/2015	Debris-General
5R	East Quincy Services District CS	5SSO10813	820401	Certified	Category 3	870 Bresciani Circle	Plumas	No	200	0	12/26/2015	Grease Deposition (FOG)
SS	City Of Auburn CS	5SSO10722	821052	Certified	Category 3	245 Fulweiler Ave SSO	Placer	No	200	0	12/23/2015	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	5SSO10912	821502	Certified	Category 3	150977	Sacramento	No	204	0	12/9/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822353	Certified	Category 3	152151	Sacramento	No	211	0	1/3/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822481	Certified	Category 3	153987	Sacramento	No	212	0	1/29/2016	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821620	Certified	Category 3	152086	Sacramento	No	215	0	12/31/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821525	Certified	Category 3	151262	Sacramento	No	219	0	12/15/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821549	Certified	Category 3	151501	Sacramento	No	225	0	12/19/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	822375	Certified	Category 3	152496	Sacramento	No	234	0	1/6/2016	Vandalism
SS	City of Stockton MUD CS	5SSO11433	821240	Certified	Category 3	1144 Channel St	San Joaquin	No	234	0	1/20/2016	Debris from Lateral
SS	Sacramento Area Sewer District CS	5SSO10912	821495	Certified	Category 3	150787	Sacramento	No	250	0	12/6/2015	Root intrusion
SS	Sacramento Area Sewer District CS	5SSO10912	821510	Certified	Category 3	151026	Sacramento	No	255	0	12/10/2015	Root intrusion
SS	South Placer Mud CS	5SSO11054	821354	Certified	Category 3	4410 Rocklin Rd - Jack-In-the-Box	Placer	No	260	0	12/30/2015	Inappropriate Discharge to CS

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
5S	Sacramento Area Sewer District CS	5SSO10912	822342	Certified	Category 3	152110	Sacramento	No	289	0	1/1/2016	Root intrusion
5S	Murphys CS	5SSO11007	820864	Certified	Category 3	Man Hole # 64	Calaveras	No	350	0	1/6/2016	Root Intrusion
5S	SMD No. 2 CS	5SSO11362	820677	Certified	Category 3	Twin Rocks Road, Granite Bay, G16-40	Placer	No	365	0	12/26/2015	Root Intrusion
5F	Tuolumne Utilities District CS	5SSO10771	821101	Certified	Category 3	cleanout in front of 79 Lower Sunset	Tuolumne	No	457	0	1/13/2016	Root Intrusion
5S	Sacramento Area Sewer District CS	5SSO10912	822464	Certified	Category 3	153787	Sacramento	No	472	0	1/24/2016	Root intrusion
5F	Yettum / Seville CS	5SSO11200	820409	Certified	Category 3	400' south of the intersection of Rd 140 & Ave 348	Tulare	No	500	0	12/21/2015	Pump Station Failure-Controls
5F	Atwater CS	5SSO10716	820972	Certified	Category 3	Shaffer Lift Station	Merced	No	540	0	12/25/2015	Pump Station Failure-Power
5F	City of Fresno CS	5SSO11202	820645	Certified	Category 3	Lateral @ 1518 S. Third St.	Fresno	No	561	0	12/24/2015	Grease Deposition (FOG)
5S	Modesto CS	5SSO11001	820268	Certified	Category 3	453 W Morris Ave	Stanislaus	No	594	0	12/9/2015	Grease Deposition (FOG)
5F	Tehachapi Correctional Inst CS	5SSO10763	820967	Certified	Category 3	CCI Tehachapi Facility E Gym	Kern	No	600	0	1/13/2016	Debris-General
5S	South Placer Mud CS	5SSO11054	821323	Certified	Category 3	Manhole T18-F08 - Newcastle	Placer	No	600	0	12/5/2015	Root Intrusion
5S	City of Sacramento Utilities CS	5SSO10901	820825	Certified	Category 3	4471 D ST, SACRAMENTO, CA	Sacramento	No	668	0	1/5/2016	Debris from Lateral
5F	Kern Sanitation Authority CS	5SSO10737	820888	Certified	Category 3	1323 Locust Ravine	Kern	No	700	0	1/9/2016	Debris-General
5F	Atwater CS	5SSO10716	820082	Certified	Category 3	Five Corners	Merced	No	720	0	12/5/2015	Grease Deposition (FOG)
5F	Los Banos City CS	5SSO11310	821178	Certified	Category 3	Greenbriar Drive at Park Sharon Drive	Merced	No	861	0	1/17/2016	Pump Station Failure-Power
5F	Wasco State Prison CS	5SSO10775	821671	Certified	Category 3	WASCO STATE PRISON, FACILITY A-BUILDING 2	Kern	No	900	0	1/22/2016	Debris-Rags
5F	City of Fresno CS	5SSO11202	821943	Certified	Category 3	MH 2851-14	Fresno	No	940	0	1/6/2016	Vandalism
5F	Mariposa Co DON PEDRO SEWER ZONE 1 CS	5SSO11326	820350	Certified	Category 3	9601 Carrillo Way	Mariposa	No	960	0	12/22/2015	Root Intrusion
5F	City of Fresno CS	5SSO11202	821435	Certified	Category 2	MH 2262-29	Fresno	No	1,246	0	1/28/2016	Debris-Rags
5S	Csa 3-Lake Camanche CS	5SSO10916	821414	Certified	Category 2	4250 Lakeview Drive Camanche	Amador	No	1,500	0	1/28/2016	Damage by Others Not Related to CS
5S	Modesto CS	5SSO11001	820416	Certified	Category 2	2108 Conant Ave	Stanislaus	No	1,750	0	12/20/2015	Construction/Maintenance (Specify Below)
5S	Sacramento Area Sewer District CS	5SSO10912	821424	Certified	Category 2	153879	Sacramento	No	1,800	0	1/20/2016	Debris-Rags
5F	City of Fresno CS	5SSO11202	820448	Certified	Category 2	MH 2153-56	Fresno	No	2,830	0	12/16/2015	Grease Deposition (FOG)
5F	Tehachapi Correctional Inst CS	5SSO10763	820424	Certified	Category 2	California Correctional Institution	Kern	No	15,000	0	12/16/2015	Root Intrusion
5S	Modesto CS	5SSO11001	820431	Certified	Category 2	2308 La Paz Ct	Kern	No	16,000	0	12/28/2015	Debris-Rags
5S	California State Prison, Sacramento CS	5SSO11183	820170	Certified	Category 2	2308 La Paz Ct	Stanislaus	No	16,704	0	12/25/2015	Grease Deposition (FOG)
5S	California State Prison, Sacramento CS	5SSO11183	820170	Certified	Category 2	California State Prison - Sacramento	Sacramento	No	16,821	0	12/10/2015	Other (specify below)

