

California Regional Water Quality Control Board  
Central Valley Region

Pamela Creedon, Executive Officer



EXECUTIVE OFFICER'S REPORT  
June 22-24, 2016

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## SUCCESS STORIES

- **Tulare Lake Basin Area**

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

- **San Joaquin County and Delta Area**

On 22 March, formal enforcement was averted, compliance was obtained, and staff time was saved by coordination between board staff and San Joaquin County & Delta Coalition staff to contact eight growers who received a 13260 Order but failed to obtain regulatory coverage. The growers promptly obtained coverage after being reached by Coalition staff, and thus avoided administrative civil liability and a potential fine. A total of 145 acres were enrolled.

- **East San Joaquin Coalition**

On 25 March, the Executive Officer approved the completion of Coalition's management plans for 19 site/constituent pairs that met the conditions for completion; management plans will continue for 11 site/constituent pairs that do not meet the requirements for completion.

- **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. The final step in the review process was completed on 21 April 2016 when US EPA sent their approval letter for the amendment.

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 a public workshop to the Central Valley Water Board on 17 August 2016 and is scheduled to be brought for consideration by the Board later in 2016. As a result of removing the MUN beneficial use designation, disadvantaged communities that discharge their wastewater to these water bodies will no longer need to implement costly upgrades to their facilities in order to meet drinking water standards in agricultural drains."

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)

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

- **Floyd Johnston Construction, Clovis, Fresno County**

A no further action determination was issued on 10 May 2016 for petroleum hydrocarbon degraded soil at Floyd Johnston Construction, 2301 Herndon Avenue, Clovis, Fresno County. Soil degraded by diesel range petroleum hydrocarbons from a release from a dispenser was discovered during a site assessment. The lateral and vertical extent of degraded soil was delineated. The degraded soil was excavated and remediated onsite. The remediated soil was spread onsite. Confirmation samples collected from the base and sides of the excavation and from the remediated soil met site cleanup goals. Technicon Engineering Services, Inc., the responsible party's consultant, stated that no further remediation was necessary and recommended closure of the site. Staff concurred. 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 and no comments were received.

- **State Highway 273 Construction, Benton Drive, Redding, Shasta County, Case No. SLT5R1009**  
In 2000, petroleum-affected soils were encountered in excavations for a Caltrans project at the intersection of State Route 273 and Benton Drive. Caltrans directed their environmental consultant to perform a site investigation. The investigation findings indicated impacts to a small volume of soil. Based on information provided in a Caltrans email to the Central Valley Water Board on 14 February 2012, only one soil sample contained total petroleum hydrocarbons as diesel at concentrations that exceeded a screening level. The case poses minimal risk of migration and exposure to the public, and following a 30-day public comment period, Central Valley Water Board staff issued a No Further Action letter conditionally closing the case on 19 April 2016.
- **Wallace J. Smith Family Trust, 2575 South Whitman Place, Chico, Butte County, Case No. SLT5R921**  
This was an open, inactive case that staff evaluated as part of the SB445 activities. The case was opened in 1992 after the detection of metals in soil at an automotive repair shop. Geotracker lists the Department of Toxic Substances Control (DTSC) as the lead agency for this case. Central Valley Water Board records did not include a case file; DTSC and the Butte County Public Health Department were contacted for more information. Neither agency had a record of the case. In April 2016, staff closed the case with a memorandum to file based on insufficient information to support an environmental problem at the site.

**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**

- **Former Lost Hills Inn, 61909 Highway 46, Lost Hills, Kern County**  
An unauthorized release was discovered at a former fueling facility during 1989 when the USTs, dispensers and piping were removed. Site investigations and groundwater monitoring were conducted between 1989 and 2004 to delineate the extent and distribution of gasoline constituents in soil and groundwater. The local agency referred the case to the Central Valley Regional Water Quality Control Board during 2011, when the Local Oversight Program ended. About 37,690 pounds (~ 6,080 gallons) of gasoline constituents were removed by a soil vapor extraction system from September 2010 to December 2013. The remaining effects of the UST release do not threaten the present use of surface water, groundwater and public health, and should continue to degrade naturally, meeting water quality objectives. The case was closed on 21 March 2016.
- **Kettleman City Shell, 25712 Ward Drive, Kettleman City, Kings County**  
The site is an active commercial fueling facility where a UST leak was discovered in November 2013. The leak was estimated to have released 1,019 gallons of gasoline. Groundwater is estimated to be at about 200 feet bgs in the area. No active remediation has been performed at the site. The results of the investigation determined that the case was qualified for closure in accordance with the criteria contained in the State Water Board's Low Threat Closure Policy. Case was closed 11 April 2016.
- **S & L Texaco, 701 "I" Street, Madera, Madera County**  
The site was a former commercial fueling facility where three USTs and associated equipment were removed in October 1999. During December 2000 through January 2009, a series of investigations

determined that the majority of the petroleum contamination existed between 20 and 70 feet bgs, and extended laterally no more than 60 feet from the source. SVE remediation was conducted from February 2013 until July 2014, and removed a mass of contaminants estimated to be equivalent to 26,168 pounds (~4,220 gallons) of gasoline. The remaining effects of the UST release do not threaten the present use of surface water, groundwater and public health, and should continue to degrade naturally, meeting water quality objectives. Case was closed 8 March 2016.

- **Coelho Meat Company, 653 East Paige Avenue, Tulare, Tulare County**

The site was a former meat packing business which maintained a fleet of delivery vehicles. Four USTs were removed in January 1999. Tulare County referred the case to the Central Valley Water Board in October 2014. Soil investigation conducted in June 2015 determined that extent of the petroleum hydrocarbons in soil is limited to the uppermost 50 feet, and the contaminated soil does not contain sufficient mobile constituent concentrations to cause groundwater to exceed water quality objectives. No active remediation was performed at the site, and the mass removed by natural attenuation was not estimated. Case was closed 10 March 2016.

b) **REDDING**

- **USA Petroleum Corporation #203, 65 Antelope Boulevard, Red Bluff, Tehama County, Case No. 520113.**

The site is an active retail gasoline service station located within a mixed-use residential and commercial area. An unauthorized release from underground storage tanks (USTs) was reported in September 1997. Subsequent investigations identified soil and groundwater impacts. In June 1998, three 15,000-gallon USTs and associated product lines were removed and replaced with three 12,000-gallon USTs. Approximately 515 cubic yards of contaminated soil were excavated and hauled offsite for disposal. Between 2008 and 2014, the Discharger remediated the site using soil vapor extraction (SVE), dual phase extraction (DPE), and air sparging (AS). Groundwater monitoring data indicate that total petroleum hydrocarbons as gasoline and methyl tert butyl ether (MTBE) concentrations have decreased from the maxima of 450,000 and 540,000 micrograms per liter ( $\mu\text{g/L}$ ) in 2004 to 3,700 and 3.5  $\mu\text{g/L}$  in 2014, respectively. The majority of the contamination was removed from the soil by over excavation during tank removal (approximately 19,000 pounds). Approximately 92% reduction of the groundwater contamination was achieved by the SVE/AS/DPE remedy. The remaining soil and groundwater contamination is minimal. The residual hydrocarbon impacts do not present a significant risk to human health or the environment. Staff closed the case under the Low Threat Closure Policy in March 2016.

- **McMahan's Furniture, 2120 Bird Street, Oroville, Butte County, Case No. 040296**

In 2010, an UST was discovered beneath the public sidewalk during electrical system upgrades within the public right-of-way at this address. The building was previously used as a furniture store. In September 2010, two soil samples were collected from beneath the UST. Total petroleum hydrocarbons as diesel (TPHd) was detected at 3,600 mg/kg from a sample collected at 10 feet below ground surface (bgs). In July 2015, three additional borings were installed to approximately 25 feet bgs; soil and groundwater samples were collected from each boring. Low-levels of TPHd were detected in two soil samples and no petroleum constituents were detected in the water samples. Staff closed the case under the Low-Threat Closure Policy in April 2016.

c) **SACRAMENTO OFFICE**

- **Applegate Station, 17875 Lake Arthur Road, Applegate, Placer County**

In 1997, the Site's former UST system was replaced and 200 tons of petroleum hydrocarbon impacted soil was excavated. Groundwater extraction and soil excavation are credited for removing approximately 100 pounds (14 gallons) of TPH-g from this Site. The residual petroleum plume is defined and stable. While historical surface discharges of petroleum hydrocarbon affected groundwater has been documented at the Site, they have not been observed in recent years. The Site's domestic well is located within the footprint of the residual petroleum hydrocarbon plume. However, petroleum hydrocarbons have not been detected in samples collected from this well since 1998. This Site was closed on 26 February 2016.

- **Sutter Office Center (Former Chevron 9-8227), 242 Sutter Street, Stockton, San Joaquin County**

In 1988 Chevron removed five gasoline USTs and one waste oil UST and discovered that an unauthorized release of petroleum had occurred. Between 2000 and 2012, Chevron conducted subsurface

investigations. Chevron removed an unknown quantity of hydrocarbon impacted soil during the 1988 tank removals and estimates that approximately 400 pounds (61 gallons) of petroleum remain in soil. The remaining petroleum pollution in groundwater is decreasing in size, and will continue to bio-degrade over time. The site was closed on 24 February 2016.

- **Three B's Truck Plaza, 14749 Thornton Road North, Lodi, San Joaquin County**  
In 1998 Three B's removed four USTs and discovered that an unauthorized release of petroleum had occurred. Since 1998, Three B's has conducted a subsurface investigation and remediated petroleum impacts in the subsurface. Three B's estimates they removed or destroyed about 74,000 pounds (~12,000 gallons) of petroleum hydrocarbons through soil vapor extraction, air sparging, and excavation; 10,525 pounds (~1,700 gallons) of petroleum hydrocarbons are estimated to remain in soil. The remaining petroleum pollution in groundwater is decreasing in areal extent, and will continue to bio-degrade over time. The site was closed on 3/2/2016.
- **Bill's Repair – Short Property, 1825 Spokane Street, Modesto, Stanislaus County**  
The Site is currently a vacant lot. In September 1986, four gasoline underground storage tanks along with associated piping were removed from the Site. Between October 2012 and June 2014 air sparging and soil vapor extraction removed about 11,389 pounds (~1,840 gallons) of petroleum hydrocarbons from the subsurface. The Site met the general and site-specific criteria for case closure under the Low Threat Closure Policy. The Site was closed on 5 April 2016.
- **Former Tosco/Circle K Store No. 01340, 1506 Sacramento Avenue, West Sacramento, Yolo County.**  
The site is an active service station with a convenience store. In 1998, three gasoline underground storage tanks (USTs) and associated dispensers were removed from the Site, and in 1999, a new UST system was installed. From 1998 through 2014, soil and groundwater investigations were conducted and remediation using soil vapor extraction, air sparging, dual phase extraction, batch extraction, ozone injection, and injection of TRAP & TREAT® – BOS 200® removed or degraded an estimated 415 pounds (~70 gallons) of gasoline hydrocarbons. After a period of groundwater monitoring, Site conditions met the general and site-specific criteria for case closure under the Low Threat Closure Policy. The Site was closed on 5 April 2016.
- **M&P Auto, 125 12<sup>th</sup> Street, Marysville, Yuba County**  
The Site is currently an automotive repair facility. In January 1997, California Water Service detected MTBE up to 115 µg/l in municipal well CWS-03, located approximately 125 feet north of M&P. Although groundwater flows south in this area, M&P was within the cone of influence of CWS-03. California Water Service removed the well from service and destroyed it in 2010. Beginning in January 2007, MTBE At a maximum concentration of 8 µg/l was also detected municipal well CWS-10 well, located 750 feet south of M&P. California Water service installed a treatment system on CWS-10. MTBE is no longer detected in the CWS-10. In December 1999 and September 2003, one diesel, one waste oil, and two gasoline underground storage tanks (UST) along with associated piping were removed from the Site. About 1,400 cubic yards of impacted soil also were removed during the UST removal activities. Between November 2000 and June 2009, soil vapor and groundwater extraction removed about 7,667 pounds (~1,200 gallons) of petroleum hydrocarbons from the subsurface. The Site met the general and site-specific criteria for case closure under the Low Threat Closure Policy. The Site was closed on 14 January 2016.
- **Former Mobil Station 04-Gpe, 229 E Street, Marysville, Yuba County**  
The Site is currently a vehicle oil change and lubricating station. In March 1988, one waste oil, one diesel, and three gasoline underground storage tanks, along with associated piping were removed from the Site. Between April 2001 and October 2010, air sparging and soil and groundwater extraction removed about 147,000 pounds (~23,700 gallons) of petroleum hydrocarbons from the subsurface. After a period of groundwater monitoring, Site conditions met the general and site-specific criteria for case closure under the Low Threat Closure Policy. The Site was closed on 5 April 2016.
- **Shoei Foods (USA) Inc., 1900 Feather River Boulevard, Olivehurst, Yuba County**  
The Site is currently a food processing plant. In April 2007, Shoei Foods removed two gasoline underground storage tanks along with associated piping from the Site. Between March 2012 and April 2013 ozone sparging remediated about 18 pounds (~3 gallons) of petroleum hydrocarbons from Site groundwater. The Site met the general and site-specific criteria for case closure under the Low Threat Closure Policy. The Site was closed on 5 April 2016.

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

**Sacramento County**

- Mercy Healthcare of Sacramento, 3901 J Street, Sacramento

**Tulare County**

- Pinky's Liquor, 19534 Orange Belt Drive, Strathmore

## STAFF RECOGNITION

### EMPLOYEE OF THE MONTH AWARDS

#### SACRAMENTO OFFICE

APRIL 2016

**Candidate:** Sammantha Mello  
**Unit:** TMDL/Basin Planning  
**Title:** Scientific Aid  
**Supervisor:** Jeanne Chilcott

Sammy Mello has been a valued member of the TMDL/Basin Planning Section since she joined the Central Valley Water Board as a Scientific Aid in 2014.

Sammy was instrumental in the preparation of the Draft Salt Minimization Plan Compilation Report for Region 5's WDR and NPDES Permitting Programs. Sammy spent long hours looking up NPDES and WDR permit files and locating those permits with a Salt Minimization Plan. She then spent countless hours reading and reviewing each plan to determine which salinity reduction measures were proposed and/or implemented, as well as how effective the implemented measures were. Sammy compiled the information into an easily understandable database spreadsheet that could then be manipulated to show statistics by discharger facility type. This information will be used to help both Regional Board staff as well as dischargers find solutions for salinity related discharge issues. Without her hard work, the report and associated database would have never been completed. Sammy also assisted with compiling a comprehensive water quality monitoring dataset and the Administrative Record to support a recently adopted Basin Plan Amendment to remove the Municipal and Domestic Supply (MUN) beneficial use from twelve Ag dominated water bodies in the Sacramento River Basin. In recent months, Sammy has been a terrific asset to the development of the Central Valley Integrated Report. Sammy learns quickly when given new tasks and has always worked well with staff. Sammy has entered hundreds of lines of evidence into the Integrated Report database and is completing assessments of water body-pollutant combinations to help complete the current 303(d) list. For these reasons and more, Sammy is well deserving of this recognition award.

**Candidate:** Angela Sandoval  
**Unit:** Title 27 and Non15 Compliance and Enforcement Unit  
**Title:** Scientific Aid  
**Supervisor:** Howard Hold

Angela has been instrumental in our conversion to ECM. She logs in and indexes over 400 monitoring reports every month, and does a great job of making sure that correct information is entered into the ECM database. If dischargers make mistakes, don't provide the appropriate information, or forget to submit their monitoring reports, then she will contact them and obtain the missing information. Angela is also our go-to person for preparing the Prosecution Team agenda binders for the Board meetings in which we have contested enforcement actions. This work often has to be done at the last minute and can be very stressful; however, we appreciate the fact that Angela approaches all her work with a smile and is more than willing to pitch in wherever she's needed.

**FRESNO OFFICE  
ARPIL 2016**

**Candidate:** Greg Issinghoff  
**Unit:** Site Cleanup/DOD  
**Title:** Engineering Geologist  
**Supervisor:** Russell Walls

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

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

1. Site Cleanup Program - Reviewed and completed letters on technical reports on the following sites: Crop Production Services-Bakersfield, Gateway Plaza dry cleaner, PG&E-Kern Power Plant, JR Simplot-Wasco, World Oil-Tulare, and Western Farm Service-Reedley;
2. Dept. of Defense Program – Reviewed and completed letter/memorandum on a Draft RI/FS for Lemoore Naval Air Station, reviewed and completed letter on annual progress report for Old Hammer Field, and met with DOD staff and its consultant on the former Crows Landing Flight Facility to discuss the recently completed draft treatability study/work plan addendum; and
3. US Dept. of Energy, Former Elk Hills Naval Reserve – Reviewed and completed letter/memorandum on Remedial Investigation Implementation Report for Area of Concern 125 and reviewed and completed letter/memorandum on the Sampling Plan for Area of Concern 030-003.

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

**FRESNO OFFICE  
MAY 2016**

**Candidate:** Sarah Boogay  
**Unit:** Oil Field - UIC  
**Title:** Engineering Geologist  
**Supervisor:** Alan Cregan

Sarah consistently produces high quality, professional work products that contribute to the success of the Underground Injection Control Program and our organization.

During the previous month, project tasks that were completed by Sarah included:

1. Finalized 12 notices of completion for 13267 Orders and issued 10 pre-13267 letters to oil field operators. In conjunction with these work products, Sarah maintains a 13267 Order compliance spreadsheet and coordinates with State Water Board staff to track Operator's compliance with the orders;
2. In conjunction with other oil field staff, Sarah completed a draft review of the Tejon Aquifer Exemption. She is also taken the lead role in preparing the Central Valley Water Board staff memorandum to the State Water Board regarding the proposed exemption.
3. Sarah also identified a free, on-line *Reservoir Geo-Mechanics* course taught by a Stanford University professor. She shared this information to her fellow coworkers and she and six other oil field staff are currently nearing completion of the course.

## REDDING OFFICE

APRIL 2016

**Candidate:** Cori Hansen  
**Unit:** Timber Unit, Forest Activities Program  
**Title:** Environmental Scientist  
**Supervisor:** Ben Letton

Cori Hansen is an Environmental Scientist working in the Forest Activities Program in the Redding office. In addition to her day-to-day responsibilities reviewing Timber Harvest Plans (THP) and projects in several counties and on the Lassen National Forest, she has recently taken the lead role in the development of a region-wide Federal NPS permit with the USFS and BLM. We appreciate her dedication and hard work and are thrilled to have her as part of our team!

Cori brings a diverse background in biological science and range management to her work for the Central Valley Water Board. In addition to her day-to-day responsibilities reviewing and ensuring permit compliance on Timber Harvest Plans (THP) in Butte, Sierra, Tehama, and Yuba Counties and projects on the Lassen National Forest, she has taken the lead role in the development of a region-wide Federal NPS permit with the USFS and BLM. Cori has been able to utilize her impressive organizational and communication skills to provide clear direction and focus to a multi-faceted and complex project.

On a day to day basis, Cori's positive attitude and sense of humor contribute to good unit and office morale. She leads by example and has gained the respect and credibility from her peers and management.

Cori is a tremendous asset to the Forest Activities Program and the Redding office.

**Candidate:** Danna Berchtold  
**Unit:** Stormwater and Water Quality Certification Unit  
**Title:** Sanitary Engineering Associate  
**Supervisor:** George D. Day

Dani Berchtold is a Sanitary Engineering Associate working in the Redding office's Stormwater and Water Quality Certification Program. Dani has at least 16 years of experience working in the stormwater program for the Central Valley Water Board. For the past year, in addition to her day-to-day responsibilities as the stormwater contact/inspector for the north area, she has been the principal author of the Region Wide General Municipal Separate Storm Sewer System (MS4) Permit scheduled for the June Board meeting. The new General MS4 Permit as proposed will shift the focus of the MS4 permittees from prescriptive requirements to a performance base permit, addressing high priority water quality issues as determined by a comprehensive evaluation. Dani has worked closely with the permittees working group and has presented the draft permit to stakeholders and interested persons at a staff level workshop.

Dani is extremely knowledgeable of the stormwater program and is respected by the regulated community, the public, and her peers. She is a tremendous asset to the Stormwater Program. We appreciate her dedication and expertise on this permit. Thank you for hard work and dedication.

## PERFORMANCE MEASURES

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

Region 5 Performance Measurement Summary for the 2015-16 fiscal year. This report was produced with data through 90% of the current fiscal year.						
Region 5 Performance Measurement Summary from 1 July 2015 to 23 May 2016						
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	6	50%	n/a	n/a	On target with 4 major permits going to the June board meeting for renewal.
Major Individual Facilities Inspected	29	30	103%	n/a	31	
Minor Individual Permits Issued, Revised, and Renewed	9	5	56%	n/a	n/a	Will renew a total of 7 minor permits in FY 15/16. Portola WWTP will be renewed in FY 16/17 and Collins Pine Chester will be rescinded.
Minor Individual Facilities Inspected	14	19	136%	n/a	20	Staff in the Redding Office have conducted twice as many Minor Facility inspections as was anticipated at the start of the year, partially due to complaint investigations.
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	21	88%	24	n/a	An additional four WDRs are schedule for June, which will bring the total to 25 for the year. This is short of the target of 27 for the year. However, 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	132	63%	n/a	142	
<b>Land Disposal</b>						
Landfills Permits Issued, Revised, and Renewed	10	5	50%	n/a	n/a	Three landfill permits are scheduled for June.
Landfill Inspections	69	91	155%	n/a	107	Compliance and Enforcement staff have been conducting an increased number of inspections partially due to addressing complaints.
All Other Permits Issued, Revised, and Renewed	2	1	50%	n/a	n/a	One permit is scheduled for the June Board meeting to achieve the target number.
All Other Inspections	50	24	52%	n/a	26	A lot of mine inspections occur in the spring after precipitation events.
<b>NPDES Storm Water</b>						
Stormwater Construction Inspections	385	335	104%	n/a	400	
Stormwater Industrial Inspections	195	214	119%	n/a	232	Additional inspections were required to address new permit re-enrollment requirements.
Stormwater Municipal Inspections	0	0	N/A	n/a	0	
<b>Other Programs</b>						
Timber Harvest Inspections	166	130	83%	n/a	137	
Confined Animal Facility Inspections	350	296	97%	n/a	340	
<b>Clean Up</b>						
New DoD Sites Into Active Remediation	1	5	500%	n/a	n/a	Three sites at Beale Air Force Base initiated remedial action over the past year that were not initially predicted in the Performance Target.
New SCP Sites Into Active Remediation	84	83	99%	n/a	n/a	
Cleanup Program Sites Closed	107	48	45%	n/a	n/a	
New UST Sites Into Active Remediation	39	39	100%	n/a	n/a	
Underground Storage Tank Sites Closed	90	91	101%	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.

**Sacramento County Environmental Crimes Task Force**

On 13 April 2016, Central Valley Regional Water Quality Control Board (Regional Board) staff attended the Sacramento County Environmental Crimes Task Force hosted by the Sacramento District Attorney’s office. In addition to Regional Board staff, the meeting was attended by a number of local, county, and state environmental protection agencies, and discussion topics included collaboration on pending investigations and potential enforcement cases. Regional Board staff will continue to endeavor to collaborate with other agencies to bolster efforts to protect the waters of the Central Valley.

**New Environmental Complaints Database and Outreach**

On 21 April 2016, the California Environmental Protection Agency (CalEPA)—of which the State Water Board is one of the Boards, Departments, and Offices (BDOs) under that agency—launched a new online tool to make it easier for the public to report environmental problems anywhere in the state from their smartphones, tablets, and computers. On 25 May 2016, Regional Board staff participated in a webinar intended to instruct local and regional agency partners (e.g., County Environmental Health Departments) on how they can utilize the new system. A Press Release issued by CalEPA that provides more information on this new system can be found here: <http://www.calepa.ca.gov/PressRoom/Releases/2016/EnvProblems.htm>. The new complaints database system can be found here: <https://calepacomplaints.secure.force.com/complaints/>. (This link can also be found on the Central Valley Regional Board [homepage](#) under ‘Complaints’.)

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

Action Date	Agency	County	Summary
3/28/2016	Hetch Hetchy Water & Power	Tuolumne	Administrative Civil Liability (ACL) Complaint that charges the Discharger in the amount of \$27,000 for Mandatory Minimum Penalty (MMP) effluent limitation violations that occurred from 11 December 2014 through 16 November 2015. The Complaint alleges eight total chlorine residual violations and one total suspended solids violation.

**Enforcement Table 1 (cont.)**

Action Date	Agency	County	Summary
3/28/2016	City of Galt	Sacramento	ACL Complaint R5-2016-0516 issued in the amount of \$18,000 for effluent limitation MMP violations that occurred between 1 May 2013 and 31 December 2015. The Complaint alleges four total recoverable copper violations and two arsenic violations.
4/4/2016	Sweeney, James G & Amelia M	Tulare	ACL R5-2016-0531 for \$59,850 for failure to submit the 2014 Annual Report with appurtenant components by the 1 July 2015 deadline (California Water Code (CWC) sections 13323 and 13268).
4/11/2016	Brookfield Emerson Land, LLC.	Contra Costa	ACL Complaint R5-2016-0524 charges the Discharger in the amount of \$21,000 for MMP effluent limitation violations that occurred from 24 April 2014 through 25 September 2015. The Complaint alleges six total suspended solids violations and one pH violation.
4/12/2016	Nevada Community Services District No 1	Nevada	ACL Complaint R5-2016-0518 charges the Discharger in the amount of \$3,000, which represents the sum of Mandatory Minimum Penalties for effluent limitation violations that occurred between 1 July 2013 and 31 December 2015. The Complaint alleges one total coliform organism violation.
4/14/2016	Linda County Water District	Yuba	ACL Complaint R5-2016-0517 charges the Discharger in the amount of \$24,000 for MMP effluent limitation violations that occurred between 1 July 2015 and 31 December 2015.
4/21/2016	Original Sixteen to One Mine, Inc.	Sierra	ACL Order R5-2016-0021 replaces ACL Complaint R5-2016-0511. The Order settles the administrative civil liability in the amount of \$6,000, representing the sum of accrued MMPs for effluent limitation violations occurring from 16 April 2015 through 30 September 2015.
4/21/2016	Malaga Community Water District	Fresno	ACL Order R5-2016-0022 in the amount of \$1,036,728 for failure to adequately implement their pretreatment program and failure to submit the capacity workplan and time schedule required in Cease and Desist Order (CDO) R5-2014-0146.
4/21/2016	City of Davis	Yolo	ACL Complaint R5-2016-0515 in the amount of \$3,000 for MMP effluent limitation violations that occurred between 1 January 2015 and 31 December 2015. The Complaint alleges one biochemical oxygen demand violation.
4/22/2016	California Water Service Company (San Jose)	San Joaquin	ACL Complaint R5-2016-0525 in the amount of \$9,000 for effluent limitation MMP violations that occurred from 1 April 2014 through 4 December 2015. The Complaint alleges two total suspended solids violations and one chlorine residual violation.

Action Date	Agency	County	Summary
4/25/2016	California Department of Corrections, Soledad	San Joaquin	ACL Complaint R5-2016-0523 charges the Discharger in the amount of \$111,000 for effluent limitation violations that occurred from 1 April 2014 through 31 December 2015. The Complaint alleges 30 total coliform organism violations, three nitrite plus nitrate violations and three ammonia violations.
4/26/2016	City of Stockton	San Joaquin	ACL Complaint R5-2016-0522 charges the Discharger in the amount of \$3,000 for MMP effluent limitation violations that occurred from 1 April 2014 through 31 December 2015. The Complaint alleges one total chlorine residual violation.
4/26/2016	East Bay MUD	Amador	ACL Complaint R5-2016-0526 charges the Discharger in the amount of \$3,000 for MMP effluent limitation violations that occurred from 28 April 2009 through 31 December 2015. The Complaint alleges one total chlorine residual violation.
4/27/2016	City of Nevada City	Nevada	ACL Complaint R5-2016-0519 charges the Discharger in the amount of \$12,000 for MMP effluent limitation violations that occurred between 1 January 2013 and 31 December 2015. The Complaint alleges one dichlorobromomethane violation and three total coliform violations.
4/29/2016	S.M.S. Briners, Inc.	San Joaquin	CWC Section 13267 Investigative Order (13267 Order) issued to Discharger to provide more accurate and technically defensible data than had been previously been submitted. Regional Board staff identified that the Discharger had been submitting estimated groundwater data--rather than measured values--in addition to other technically questionable data. The 13267 Order requires the Discharger to submit an Evaluation Monitoring and Corrective Action Monitoring Workplan by 15 June 2016.
5/3/2016	Pactiv, LLC	Tehama	Time Schedule Order (TSO) issued to provide the Discharger time to comply with final total recoverable copper and zinc effluent limitations, which were implemented in WDR Order R5-2011-0036.
5/16/2016	Stamas Corporation	Nevada	Stipulated Order R5-2016-0528 in the amount of \$90,000 for violations of the Construction General Permit. The settlement includes a Supplemental Environmental Project (SEP) for \$45,000 for the Sierra Fund for their project Integrating Grass Valley Disadvantaged Community Participation in CABY Water Quality Activities: Project Planning, Tribal Consultation, and Post-It Day 2016.

Action Date	Agency	County	Summary
5/18/2016	Quincy Community Services District	Plumas	ACL Order R5-2016-0504 in the amount of \$24,000 for MMP effluent violations from 16 January 2015 through 13 March 2015.

3) **Enforcement Update** – Enforcement Table 2, included below, summarizes the enforcement actions issued in all the Regions since the last EO Report (19 March 2016 through 24 May 2016). From a statewide perspective, Region 5 was responsible for 23% of all the enforcement actions tracked in CIWQS during this period including 42% of all NOVs and 42% of all ACLs.

Region / Office	Enforcement Actions									
	VER	SEL	NOV	NNC	13267	TSO	CAO	CDO	ACL	Total
1	0	0	3	0	0	0	1	0	1	5
2	0	0	4	0	0	0	0	1	7	12
3	0	1	6	0	0	0	0	0	4	11
4	2	0	58	81	0	0	0	0	7	148
5F	1	0	5	0	0	0	0	0	2	8
5R	5	1	8	0	0	1	0	0	1	16
5S	3	1	43	1	1	0	0	0	13	62
RB5 Total	9	2	56	1	1	1	0	0	16	86
6T	2	5	1	11	1	0	0	0	0	20
6V	22	1	0	13	0	0	0	0	0	36
7	0	6	0	0	0	0	0	0	1	7
8	7	9	0	10	0	0	0	0	0	26
9	3	22	4	0	0	0	0	0	2	31
Totals	45	46	132	116	2	1	1	1	38	382
<b>Enforcement Actions:</b>										
VER = Verbal Communication						TSO = Time Schedule Order				
SEL = Staff Enforcement Letter						CAO = Cleanup and Abatement Order				
NOV = Notice of Violation						CDO = Cease and Desist Order				
NNC = Notice of Non-Compliance (Stormwater)						ACL = Administrative Civil Liability				
13267 = California Water Code Section 13267 Investigative Order										

## SANITARY SEWER OVERFLOWS AND COMPLAINTS

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

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

#### California Correctional Institute, Tehachapi, Kern County

On 18 February 2016, the California Correctional Institute at Tehachapi reported to the Governor's Office of Emergency Services (OES) a spill of raw sewage. The spill, contained within the correctional institute grounds, pooled within an area identified as a "no-man's land". The spill is estimated to have begun on 8 February, at 10 gallons per minute and 10 hours per day, and was stopped on 19 February. The spill volume was estimated at 80,000 gallons. No threat to a waterway was reported and the spill area was disinfected. Spill cause was listed as "Debris – General" which, although not explained, within a correctional facility is commonly related to inmate activity. A Notice of Violation was issued and fact-finding and consideration of enforcement options is in progress.

#### City of Winters Wastewater Treatment Facility, Yolo County

On 22 March 2016, staff with the City of Winters (City) reported a spill of raw sewage to OES and to the Central Valley Regional Water Board. The City reported that the spill was caused by failure of the pump station controls, and 50,000 gallons of raw sewage had been released to a paved surface onsite. City staff estimates that all 50,000 gallons of the spill was contained and recovered onsite, and no amount of the spill was released to any waterways or storm drains. The spill area was hosed down and disinfected. The circuit failure that caused the problem was corrected by having a dedicated circuit installed and floats have also been added for redundancy.

For this reporting period, there were **14** Category 1, **8** Category 2, and **311** 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 are responsible for responding to complaints related to water quality within the Central Valley Region as they are received by the online California Environmental Protection Agency (CalEPA) Environmental Complaint. Information regarding the new CalEPA Complaints database is located in the *Enforcement* section of this EO Report.

So far in 2016, the Central Valley Water Board has received **56** complaints from the database, of which **33** have been investigated and closed, or referred out to another environmental enforcement agency. Investigations for the remaining **23** complaints received this year are ongoing.

## DELTA ACTIVITIES

### 1. Delta Methylmercury Control Program

Methylmercury Control Study Progress Reports have been reviewed by staff and will be provided to the Delta mercury independent technical advisory committee for review and comment. Stakeholders exchanged information about their respective Progress Reports at a Delta Tributaries Mercury Council meeting in May. Progress reports are posted on Water Board's Delta Methylmercury 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)

On 2 June, the Delta Science Program is hosting the second part of a workshop series with the goal of synthesizing recent research. For this synthesis process, Janis Cooke submitted management-related questions for methylmercury in the Delta and Yolo Bypass intended to aid in preparation for the Board's review of the Delta Methylmercury TMDL.

### 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 of the OEHHA fish consumption advisories into eight non-English languages.

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

A MERP community stakeholder meeting was held on 13 April in Sacramento. Staff from The Sierra Fund gave a presentation on mercury exposure reduction outreach efforts in the Sierra Nevada. Their successes and lessons learned regarding sign-postings at Sierra Nevada reservoirs were relevant and informative for the Delta area. APSARA, one of the MERP small grant recipients, also gave a presentation that highlighted the success of MERP implementation in their community along with pictures from some of the events.

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

There is \$40,000 in funding available to community organizations and Tribes to conduct mercury exposure reduction activities in the Delta for FY 16/17. Five applications were received in response to the Request for Proposals for this second round of small grants. Central Valley Water Board Staff participated in a review panel that included representatives from community based organizations such as the Clean Water Action and the Asian Pacific Environmental Network, as well as a representative from the Delta Conservancy. The review panel selected two entities to each receive a \$20,000 grant to implement their mercury exposure reduction programs in FY 16/17. The first recipient, APSARA, is currently participating in the small grant program and has proven to be a successful collaborator. The second recipient is the Yolo County Children's Alliance. Their application included a proposal detailing a potentially high-impact program in the Yolo County area and will use an existing framework for their mercury exposure reduction activities. More information can be found at <http://deltaconservancy.ca.gov/delta-merp-small-grants-program>.

The Community Guide on Health and Benefits of Eating Seafood, an interactive educational tool developed by the California Department of Public Health, is now online. The tool can be accessed through this link: [http://www.cdph.ca.gov/HealthInfo/environhealth/water/Community%20Guide/presentation\\_html5.html](http://www.cdph.ca.gov/HealthInfo/environhealth/water/Community%20Guide/presentation_html5.html)

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

At the April 2016 Delta RMP meeting, the Steering Committee (SC) approved the FY 16/17 Detailed Workplan and Budget for pesticides and toxicity, mercury, and nutrients. In the upcoming fiscal year, the Delta RMP will continue current use pesticide and toxicity monitoring on a monthly basis at five sites around the Delta.

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

In FY 16/17, the Delta RMP will fund a synthesis report of existing nutrient data and use existing models to evaluate current conditions, identify under-sampled regions and habitat types, and develop cost effective monitoring options. In addition, there will be work on developing statistical approaches to evaluate long-term changes in water quality and characterizing the relative importance of factors contributing to nutrient levels in the Delta.

In April 2015, Delta RMP and several other agencies started a two-year pathogen study. The Delta RMP provided partial funding for these studies in FY14/15 and FY15/16. The Pathogen Study is intended to satisfy the data needs and monitoring for any follow-up required if Basin Plan *Cryptosporidium* trigger values are exceeded. At this time, no pathogen follow-up studies are being proposed for FY 16/17. It is possible that during the second year of pathogen sampling (April 2016 through July 2017), a follow-up trigger study will be needed. The RMP budget has a contingency for this work if needed.

### 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. The research plan is being developed with a Stakeholder and Technical Advisory Group (STAG) and in coordination with the San Francisco Water Board's Nutrient Management Strategy.

Current activities of the STAG and work groups are these:

- Planning for a workshop white paper for Delta nutrient and their roles in controlling primary productivity and algal species in the Delta. A two-day workshop will provide input to the white paper in addition to a published report. The workshop is tentatively planned for 29-30 November 2016 in order to accommodate schedules of principal presenters and white paper panel members. The Delta Science Program and stakeholders are providing funding for the white paper and workshop.
- Identification of a process for prioritizing research needs and proposals. A work group is evaluating a proposed process for consideration by the STAG.

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

[http://www.waterboards.ca.gov/centralvalley/water\\_issues/delta\\_water\\_quality/delta\\_nutrient\\_research\\_plan/index.shtml](http://www.waterboards.ca.gov/centralvalley/water_issues/delta_water_quality/delta_nutrient_research_plan/index.shtml)

#### **Meeting Participation**

On 11 April, Jeanne Chilcott, Janis Cooke and Christine Joab convened a brief Delta Nutrient Research Plan Stakeholder and Technical Advisory Group meeting. The meeting was focused on providing a report out to the stakeholders on the status of the workshop planning efforts.

On 26 April, Janis Cooke and Christine Joab participated in a Nutrient Workshop Planning Subcommittee meeting. The group discussed the workshop schedule, and the interest and availability of potential panel members and presenters.

On 27 April, Janis Cooke and Christine Joab attended the second meeting of the Delta Nutrient Research Plan Prioritization Workgroup. The group continued the discussion of using a modified version of the Delta

Regional Ecosystem Restoration Implementation Plan (DRERIP) process as a potential approach for evaluating and scoring the research recommendations developed by the Science Work Groups. The group decided to assess this approach by using the research recommendations from the Cyanobacteria White Paper and Knowledge Gap documents.

On 20 May, Janis Cooke and Christine Joab participated in a follow-up meeting of the Nutrient Research Prioritization Workgroup to continue the exercise of using a modified DRERIP approach to vet the cyanobacteria research recommendations.

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

In 2006-2007, an aeration facility was constructed on the Port of Stockton’s West End Complex at Dock 20 as part of the San Joaquin River Dissolved Oxygen TMDL Implementation Program. The purpose of the facility was to determine if aeration would be effective at increasing dissolved oxygen (DO) concentrations in the Stockton Deep Water Ship Channel. The facility underwent a demonstration from 2008 through 2010 and was in full operation by 2012. Several San Joaquin River Dissolved Oxygen TMDL stakeholders (Port of Stockton, San Joaquin Tributaries Authority, San Luis & Delta-Mendota Water Authority, San Joaquin Valley Drainage Authority and the State Water Contractors) agreed to develop and fund an operations and maintenance agreement. The original agreement expires on 31 May 2016. In April 2016, the signatory parties amended and extended the agreement for one full year through May 2017. The amendment provides for additional one-year renewal periods and clarifies how unspent funds will be used for the coming years’ operations.

During the February 2015 update to the Board, staff indicated they would send letters to additional DO TMDL stakeholders to encourage their participation in the aeration agreement. In February 2016, a letter was sent to four additional DO TMDL stakeholders (Stockton East Water District, City of Stockton, U.S. Bureau of Reclamation, and Friant Water Authority) requesting their participation. The Friant Water Authority has expressed interest in participating and is currently negotiating with the signatory parties. The City of Stockton politely declined to participate because they have spent over \$40 million on improvements to their Regional Wastewater Control Facility and will be incurring an additional \$100 million on an upcoming denitrification capital improvement project. No response has been received from the U.S Bureau of Reclamation or the Stockton East Water District.

Since the inception of the original agreement, the aeration facility has been operated each year from 2012 through 2015. Table 1 summarizes the annual operations, pounds of oxygen delivered and annual costs. Operations have varied each year depending on site specific conditions but have been less than 60 days per year. Annual costs including operations and maintenance have ranged between \$48,000 and \$119,000. Costs in 2015 were higher than previous years mainly due to a pump repair and upgrades to the telemetry system. However, costs for electricity, oxygen and technical support were consistent with previous years relative to the number of days of operation. So far in 2016, the aeration facility was operated for one week in April when dissolved oxygen concentrations temporarily fell below the water quality objective of 5.0 mg/L. The aeration agreement and annual operations and maintenance summaries are available on the Water Board’s San Joaquin River Dissolved Oxygen TMDL website: [http://www.waterboards.ca.gov/centralvalley/water\\_issues/tmdl/central\\_valley\\_projects/san\\_joaquin\\_oxygen/index.shtml](http://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/san_joaquin_oxygen/index.shtml)

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

<b>Year</b>	<b>Days of Operation</b>	<b>Pounds of Oxygen Delivered (approximate)</b>	<b>Annual Cost (operations &amp; maintenance)</b>
2012	42 days (June – October)	193,000	\$62,766.00
2013	23 days (September)	80,000	\$48,506.87
2014	58 days (September – October)	212,000	\$91,234.65
2015	54 days (July – October)	228,000	\$118,851.77

## TMDL BASIN PLANNING

### 1. Pesticide Basin Planning/TMDLs

On 27 April, Central Valley Water Board staff sent out notice that Board has contracted with UC-Davis to develop five pesticide water quality criteria by April 2017 for the herbicides oxyfluorfen, prometryn, simazine and trifluralin (all of which are on the 303(d) list) as well as the insecticide fipronil. The notice announced opportunities for stakeholder comments on these technical reports and the scope of issues identified for scientific peer review. These criteria reports will also be discussed at an upcoming June stakeholder meeting for the Pyrethroid TMDL and Basin Plan Amendment. For more information, please see [http://www.waterboards.ca.gov/centralvalley/water\\_issues/tmdl/central\\_valley\\_projects/central\\_valley\\_pesticides/criteria\\_method/](http://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/central_valley_pesticides/criteria_method/)

### 2. 2014 Integrated Report

The 2014 Integrated Report will include surface water quality data assessment, evaluation, and Clean Water Act Section 303(d) listing recommendations (identification of impaired water bodies) for the Central Valley, Central Coast, and San Diego Regions. The Integrated Report is currently scheduled to be completed by the end of 2016.

Under authority granted in Section 6.2 of the 2015 Amendment to the Water Quality Control Policy for Developing California's Clean Water Act Section 303(d) List (Resolution No. 2015-0005), the State Water Board is considering administering the listing process for the 2014 Integrated Report cycle. Listing Policy Section 6.2 reads in part: *"At its election, the State Water Board may administer the listing process for each listing cycle. If the State Water Board administers and considers a region's proposed list on behalf of a Regional Water Board, the State Water Board shall adopt the list at a public hearing. Such consideration and adoption shall occur after the State Water Board provides advance notice in the affected region and opportunity for public comment and responds to all comments. The State Water Board's recommendations on behalf of a Regional Water Board shall be consolidated into the statewide list submitted to U.S. EPA with the supporting fact sheets without further consideration."*

The State Water Board is considering this option to expedite completion of the 2014 Integrated Report after multiple delays in the project. Should the State Water Board exercise this option, there will be no solicitation of public comments by those Regional Boards included in the 2014 Integrated Report cycle nor will there be Regional Board adoption hearings. Public comments will be solicited by the State Water Board and adoption of the 2014 Integrated Report will occur at a public hearing before the State Water Board.

The 2014 Central Valley Integrated Report is tentatively scheduled to be presented for consideration of adoption by the Central Valley Water Board in October of 2016. If the State Water Board elects to administer the listing process for the 2014 Integrated Report cycle, the draft Integrated Report would likely be released for public comment in fall of 2016 and presented for consideration of adoption by the State Water Board in December 2016.

#### **Clear Lake Nutrient TMDL Implementation**

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

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

## SALINITY AND CV SALTS

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

The CV-SALTS Executive Committee policy discussions during March and May meetings continued to focus on providing input on finalizing components of the draft Salt and Nitrate Management Plan (SNMP). There was a two day meeting in March with the first day focused on a policy discussion on Principles to Guide Revisions of the Exceptions Policy for waste discharges to groundwater. The second day was focused on the Management Zone Archetype which included a presentation of a collaborative approach to regional water issues within Alta Irrigation District and review and discussion of the findings of the archetype study.

A two day meeting was also held in May with a primary focus for all agenda items to identify where there was concurrence and disagreement on the policy issues to be presented to the Central Valley Water Board at the 22 June workshop. The workshop will be an opportunity to solicit feedback from the Board and stakeholders on these issues. The first day focused on reviewing and finalizing recommended guidelines for developing policies for offsets and drought, as well as, discussion of potential basin plan language changes. The second day was a review of the draft SNMP Executive Summary and drafts of key policy issues on Management Zones, Salinity Agriculture Beneficial Uses, Secondary MCLs, Exceptions, and Nitrate Permitting Strategy.

A brief summary of all CV-SALTS technical projects can be found under the CV-SALTS website at: <http://www.cvsalinity.org/index.php/committees/technical-advisory/technical-projects-index.html>

During meetings in April and May for the Lower San Joaquin River (LSJR) Committee, Karna Harrigfeld indicated that she would be undertaking the task of summarizing issues of stakeholder disagreement on the final recommendations that the Committee submitted to the Board in support of a Basin Plan Amendment for salinity water quality objectives in the stretch of river between the Merced River and Vernalis. She plans to provide a report to the Committee during the next meeting scheduled for 20 June. The Basin Plan Amendment will be discussed during a public workshop to the Central Valley Water Board on 17 August 2016 and is scheduled to be brought for consideration by the Board later in 2016.

### 2. CV-SALTS Meeting Participation

On 29 and 30 March, Pamela Creedon, Karl Longley, Clay Rodgers, and Jeanne Chilcott, participated in the CV-SALTS Executive Committee Policy Meeting which focused on draft Exceptions Policy for discharges to groundwater and the archetype for management zones.

On 7 April, Jim Brownell and Anne Littlejohn attended the CV-SALTS LSJR Committee meeting held at the Central Valley Water Board office in Rancho Cordova. The Committee received an update from USBR staff on the Real-Time Management Program (RTMP) forecasting tool underdevelopment. Also, Jim Brownell presented the report titled Revisions to the 2010 Salt Tolerance of Crops in the Lower San Joaquin River (Merced to Stanislaus River Reaches) and 2016 Addendum. Several minor, non-substantive changes were discussed and the final report will be posted on the Central Valley Water Board internet site in May.

On 3 May, Glenn Meeks participated in the Surveillance and Monitoring Plan Project Committee meeting, which focused on comments addressing the draft Surveillance and Monitoring plan prepared by CDM Smith.

On 5 May, Jim Brownell attended the CV-SALTS LSJR Committee meeting held in Modesto. USBR staff presented a draft of their Fiscal Year 2017 Annual Work Plan identified in the December 2014 Management Agency Agreement with the Central Valley Water Board. Also, USBR staff discussed long-term funding options for support of the RTMP.

On 6 May, Pam Buford attended the CV-SALTS Executive Committee Administrative meeting which focused on administration and updates on technical projects progress.

On 11 and 12 May, Pamela Creedon, Karl Longley, Clay Rodgers, Jeanne Chilcott, Glenn Meeks, and Pam Buford participated in the CV-SALTS Executive Committee Policy Meeting which was focused on review of several draft Policy issue documents.

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

Monthly staff meetings with representatives of the USBR were held on 21 March and 16 May. During the 16 May meeting, USBR submitted a draft of their Fiscal Year 2017 Annual Work Plan to the Board for public review and comment. This draft was unchanged from the draft submitted to the LSJR Committee on 5 May. (Central Valley Water Board staff posted the draft on 17 May.) Public comments are due to USBR and the Board on 20 June and USBR's final Annual Work Plan is due to the Board on 1 July. During both meetings, grant money available from the Department of Water Resources was discussed. Grassland Water District and San Joaquin Valley Drainage Authority representatives indicated that they had submitted grant applications to upgrade existing and new real-time management monitoring sites. USBR staff indicated that contracting for computer forecast model upgrades, website development, and model training for stakeholders is near completion, with approval for a one year contract expected by June. USBR reported that it plans to sign the Memorandum of Understanding of the RTMP in May, and continue to support development of the forecasting tool and monitoring sites, as funding will allow. The RTMP Steering Committee submitted its Annual Report, required as a condition of Board approval, on 31 March. The next quarterly meeting of the RTMP Steering Committee is scheduled for 7 June.

On 18 March and 15 April, 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 computer model tool for use by stakeholders of the RTMP participants.

## DAIRIES

### 1. **Inspections**

Staff has completed approximately 339 dairy inspections for FY 2015/16, including 216 compliance inspections. Although the Region will meet the State Water Board Performance target for inspections, this outcome is not in alignment with the goal of inspecting each CDQAP-certified dairy once every five years, and non-certified dairies once every three years. Part of the reason is that the Fresno office recently had to fill two dairy inspector vacancies that were created because of attrition and staff re-assignment. Staff will eliminate any inspection backlog in the coming years, as well as focus inspection efforts on dairies that are more likely to have issues based on previous inspections, as well as on dairies that are in close proximity to sensitive receptors such as community drinking water supplies.

### 2. **Permitting**

An administrative draft of a general order for bovine feedlots has been prepared and released to key stakeholders in industry and environmental groups. Industry representatives have requested additional time to review and comment on the draft order. Release of a tentative order is planned for October, with the goal of presenting the general order to the Board for consideration at the December 2016 Board meeting.

A draft general order for poultry operations is under internal review, with release of an administrative draft for stakeholder review scheduled for late May 2016. A tentative order would be released in mid-June, with the goal of presenting the general order to the Board for consideration at the August 2016 Board meeting.

## OIL FIELDS

### 1. Waste Water Surface Pond

Staff has drafted three Waste Discharge Requirements (WDRs) General Orders (General Orders) for the discharge of oil field wastes to land. The General Orders have been forwarded as administrative drafts to interested parties and will go out for formal public comment during the first week of June. These General Orders will be presented to the Central Valley water Board for their consideration at the August 2016 meeting.

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

### 2. Spill Response

Central Valley Water Board staff responds to oil field spills and upsets reported to the Office of Emergency Services. Three significant events occurred in March, April, and May.

- A spill of crude oil and wastewater, into an unnamed blue-line stream bed occurred on the 4G facility operated by California Resources Corporation, in the Elk Hills Oil Reserve on 1 March 2016. The cause of the spill was reported as the failure of a flow line. The spill affected approximately 700-feet of the stream bed, and it was estimated that approximately 0.7-barrel of oil was discharged with unknown amounts of wastewater. The affected soil was removed and the cleanup was completed on 25 March 2016.
- A spill of crude oil and wastewater, into an unnamed blue-line stream bed occurred on the 7G facility operated by California Resources Corporation, in the Elk Hills Oil Reserve on 12 April 2016. The cause of the spill was reported as the failure of a flow line. The spill affected approximately 900-feet of the stream bed, and it was estimated that approximately 5-barrels (bbls) of oil and 57-bbls of wastewater were discharged. The majority of oil and affected soil were removed by 16 May 2016. Staff of the California Department of Fish and Wildlife inspected the spill site and signed-off on the clean-up on 17 May 2016.
- A flash flood due to a heavy rainfall on 5 May 2016 affected approximately 1-mile of an un-named blue line stream bed with crude oil and contaminated rainwater. The incident occurred on the Buena Fe lease operated by Linn Operating, Inc., in the Midway-Sunset Oil Field, where a number of naturally occurring areas of crude oil seeps exist. The rainwater flooded the oil natural seep areas and carried the oil down-stream and into the affected stream bed. The majority of oil and affected soil were removed and the cleanup was completed on 9 May 2016.

Staff is considering appropriate enforcement for the spills.

### 3. UIC/SB-4 Program

Staff has issued 18 letters requesting information on injection well(s) that have potentially been injecting Class II fluids produced by oil or gas extraction activities into an aquifer that may not have been properly designated as an exempt aquifer under the federal Safe Drinking Water Act. The letters require Operators to provide technical justification that their injection well(s) is injecting into an exempted aquifer/zone and should not receive a 13267 Order to provide these reports. As part of this process, staff has received and reviewed six technical submittals from Operators in response to the pre-13267 Order letters.

Staff has produced five draft reviews for UIC, Project Approval Letters (PALs) for proposed injection projects that were submitted to the Division by oil field operators. Based upon the draft reviews, Regional Water Board and State Water Board staff prepared and submitted questions to Division staff. Meetings have been held to discuss the Division's responses and draft memorandums identifying concerns with the proposed project were sent to the State Water Board for their review incorporation into a coordinated response letter to be sent to the Division and the operator.

Two concurrent aquifer exemption reviews have been conducted by staff of both the State Water Board and the Regional Water Board. Questions regarding the aquifer exemption were prepared by both staffs and subsequently combined into a single document that was submitted to the Division for response/clarification. Meetings are currently being scheduled with staff from all three agencies (State Board, Regional Board, and the Division) to allow direct communication/interactions in addressing the complex issues raised during the aquifer exemption review process.

#### 4. **Food Safety**

The Oil Field Program Food Safety Expert Panel held a public meeting on 11 April 2016, and a roundtable meeting for internal discussion on 13 May 2016. In its ongoing inquiry into whether allegations concerning potential threats to food safety from oilfield produced water used for irrigation have merit, the Panel is reviewing existing data and related information to help identify useful information and resolve any data gaps. Board staff is continuing to aid the Panel in this endeavor.

## GROUND WATER STRATEGY

### **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 June 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. Anticipate report to be finalized and posted to the website June 2016.

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

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

An information item on the conceptual framework for a General Order for Poultry Operations was presented to the Regional Board at its April 2016 meeting. The draft General Order for Poultry Operations is being circulated for internal review, with release of an Administrative Draft scheduled for late May 2016. A Tentative Order would be released in mid-June, with the goal of presenting the General Order to the Board for consideration at the August 2016 Board meeting.

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

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

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. By mid-May of the 2015-2016 fiscal year, 273 backlog cases have been reviewed. Of these cases, 151 have been removed from the backlog. This includes 78 sites that were closed, 44 sites that are information only, 18 sites that are under another agency's lead, 8 sites that were duplicate entries, and 3 sites that were assigned to staff. Of the sites reviewed this fiscal year, 121 will require verification sampling, which may lead to additional work being required.

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). The Central Valley has 30 Local Agencies; most have previously committed to submit LAMPs. Drafts were due to the Central Valley Water Board by 13 May 2016. Draft LAMPs have been received from 29 Local Agencies by the deadline. Tulare County was the sole exception. We have formally corresponded with Tulare County based on guidance from State Board counsel. Staff will be review drafts in detail; work with Local Agencies to obtain their Board of Supervisors' approvals and related code adoptions; and seek subsequent Central Valley Water Board approvals by 13 May 2017. Our Redding, Rancho Cordova, and Fresno Offices are coordinating LAMP reviews using a preliminary completeness checklist and other recently developed technical guidance, largely based on

continuing discussions with the California Conference of Directors of Environmental Health. Staff regularly updates progress on the following webpage: [http://www.waterboards.ca.gov/centralvalley/water\\_issues/owts/lamp\\_reviews/index.shtml](http://www.waterboards.ca.gov/centralvalley/water_issues/owts/lamp_reviews/index.shtml). To date, the Central Valley Water Board has approved Sacramento County's LAMP, an early submittal, and will consider Butte County's LAMP during the June 2016 meeting.

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.

## IRRIGATED LANDS REGULATORY PROGRAM (ILRP)

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

On 8 February 2016, the State Water Board issued a proposed order in response to the petitions regarding the General Order No. R5-2012-0116 for growers within the Eastern San Joaquin River Watershed (SWRCB/OCC Files A-2239(a)-(c)). The State Water Board order proposes changes to the current order, including field level reporting to the Water Board, domestic well monitoring, and development of A/R targets in 3 years. Central Valley Water Board Members along with the Executive Officer and staff have briefed State Board Members and presented information during the State Board Workshops (May 4<sup>th</sup> in Sacramento and May 17<sup>th</sup> in Fresno). More information regarding the proposed State Water Board order can be found at the State Water Board [web page](http://www.swrcb.ca.gov/public_notices/petitions/water_quality/a2239_sanjoaquin_ag.shtml): [http://www.swrcb.ca.gov/public\\_notices/petitions/water\\_quality/a2239\\_sanjoaquin\\_ag.shtml](http://www.swrcb.ca.gov/public_notices/petitions/water_quality/a2239_sanjoaquin_ag.shtml)

### Crop Nitrogen Knowledge Gap Study Plan

The Nitrogen Management Plan Technical Advisory Work Group (Work Group) was convened by the Central Valley Water Quality Coalitions to develop guidance for member growers to estimate nitrogen removed and to develop a "Crop Nitrogen Knowledge Gap Study Plan" (Study Plan). The Work Group met from April to September 2015 to discuss current nitrogen management tools, methods to estimate available nitrogen in organic amendments and residual in soil, and methods to estimate nitrogen removed during plant harvest for various crops. Based on input from the Work Group, the Coalitions submitted a Study Plan with guidance documents on 18 December 2015. Based on 19 January 2016 comments from the Executive Officer a revised Study Plan was submitted 19 February 2016. On 29 March, the Executive Officer conditionally approved the revised study plan, contingent upon meeting acceptable timelines from the Work Group for a) submission of summarized, crop-specific A/R ration information to the Central Valley Water Board for 17 listed crops during the initial reporting year, and b) dissemination of the summarized A/R information to all coalition members that provides each member with their specific A/R ration in the context of similarly situated operations.

### ILRP Stakeholder Meeting

On 18 April 2016, the ILRP held a stakeholder meeting at the Stanislaus County Farm Bureau. The meeting was held to provide an open forum for communication between Water Board staff, agricultural coalitions, environmental justice groups, and other interested parties in Central Valley Region. Updates were provided by representatives of the Water Board, California Department of Food and Agricultural, agricultural coalitions, and environmental justice groups. State Water Board Staff provided a focused presentation of the proposed State Water Board Order addressing the petition of the Eastern San Joaquin River Watershed WDRs. State Water Board staff answered clarifying questions and did not accept comments or discuss the merits of the proposed order during the meeting.

### ILRP Compliance, Outreach & Enforcement

#### Agricultural Parcel Inspections

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

Coalition Area	Parcel Inspections Mar 17 – May 23
Kings River	106
Kaweah Basin	69
Tule Basin	50
San Joaquin County & Delta	98
Sacramento Valley	408
<b>Total</b>	<b>731</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.

Coalition Area	Directives Mailed Mar 17 – May 23
East San Joaquin	135
Kings River	57
Kaweah Basin	27
Tule Basin	37
Sacramento Valley	3
San Joaquin County & Delta	93
<b>Total</b>	<b>352</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 Mar 17 – May 23
Kings River	36
Tule Basin	1
Kaweah Basin	3
San Joaquin County & Delta	40
Sacramento Valley	29
<b>Total</b>	<b>109</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 6 May 2016, the Assistant Executive Officer issued pre-ACL letters to ten growers for failure to submit farm evaluations to the East San Joaquin Water Quality Coalition. The pre-ACL letters proposed fines ranging from \$21,294 to \$68,614 depending on the size of the grower's operation, the crop grown, whether or not the operation is in a high vulnerability area, and time of non-compliance with the requirement to submit the evaluation.

### 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.

<b>Table 1 of 2. Coalition Enrollment Information Summary in the Sacramento, Delta, East and Western San Joaquin River Watersheds</b>					
<b>Coalition Group</b>	<b>East San Joaquin</b>	<b>Sacramento Valley</b>	<b>San Joaquin Co. &amp; Delta</b>	<b>Western San Joaquin River</b>	
<b>Participating Growers</b>					
Number of Growers, Pre-Order	2,225	7,888	3,256	2,450	
Number of Growers, estimated as of Mar 2016 (annual fees)	3,595	8,688	3,586	2,508	
Number* of Growers enrolling land due to Directive/eNOI (Apr-May 2016)	34	6	29		
Projected number of Growers in May	3,629	8,694	3,615	2,508	
<b>Enrolled Acreage</b>					
Number of Acres, Pre-Order	535,653	1,183,491	348,200	467,625	
Number of Acres, estimated as of May 2016	698,286	1,350,839	388,353	435,922	
Number* of Acres added due to Directive/eNOI (Apr-May 2016)	1,397	1,090	1,968		
Projected Acres Enrolled in May	699,683	1,351,929	390,321	435,922	

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

<b>Table 2 of 2. Coalition Enrollment Information Summary for the Tulare Lake and Western Tulare Lake Basins</b>									
<b>Coalition Group</b>	<b>Buena Vista</b>	<b>Cawelo</b>	<b>Kaweah Basin</b>	<b>Kern River</b>	<b>Kings River</b>	<b>Tule Basin</b>	<b>Westside</b>	<b>Westlands</b>	
<b>Participating Growers</b>									
Number of Growers, Pre-Order	3,794 (Southern San Joaquin Water Quality Coalition)								1,070
Number of Growers, estimated as of March 2016	61	87	1,324	825	4,738	1,120	43	1,276	
Change* (Additional Growers Enrolled)	0	0	4	7	32	7	0	0	
Projected number of Growers in May 2016	61	87	1,328	832	4,770	1,127	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, estimated as of March 2016	30,788	34,524	163,441	524,404	762,337	225,457	99,761	491,843	
Change* (Additional Acres Enrolled)	0	0	44	3,318	1,978	168	0	0	
Projected Acres Enrolled in May 2016	30,788	34,524	163,485	527,722	764,315	225,625	99,761	491,843	

## **Sacramento River Watershed Coalition Groups**

### **California Rice Commission Coalition**

On 1 October 2015, the California Rice Commission submitted the draft Groundwater Trend Monitoring Workplan and Data Gap Assessment Plan for staff review. A revised Workplan was submitted to staff on 28 March 2016. The draft Workplan includes a quality assurance project plan for groundwater to supplement the surface water plan as an appendix. As required by the Order, the Workplan details the groundwater trend monitoring that will take place to determine current water quality conditions of groundwater relevant to rice operations and develop long-term groundwater quality information that can be used to evaluate the regional effects of rice practices. The draft Workplan is under staff review.

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

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

On 22 March, the Sacramento Valley Water Quality Coalition (SVWQC) submitted an outline for an Addendum to the Sediment Discharge and Erosion Assessment Report Workplan to Address Proximity to Surface Waters. The outline was prepared following a meeting with SVWQC to discuss the requirements of the Workplan. SVWQC is currently preparing the Workplan Addendum.

On 1 May, the SVWQC submitted their Annual Monitoring Report, Management Plan Progress Report, and Chlorpyrifos/Diazinon TMDL Report. Staff is in the process of reviewing the reports and preparing comments.

On 12 May, Central Valley Water Board staff (staff) held a Quarterly Status Update Meeting with SVWQC to discuss the 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.

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

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

On 23 March, the Coalition submitted the copper, molybdenum and arsenic evaluation report according to the time schedule provided in the approved Surface Water Quality Management Plan. Staff is reviewing the report and preparing comments.

On 4 April, the Coalition submitted the nutrient source evaluation report as proposed in the approved Surface Water Quality Management Plan. The report is currently under staff review.

On 1 May, staff received the 2016 Annual Monitoring Report for the San Joaquin Chlorpyrifos and Diazinon TMDL Compliance Monitoring prepared jointly by the East San Joaquin Water Quality Coalition and the Westside San Joaquin River Watershed Coalition. The report is currently under staff review.

On 1 May, the Coalition submitted the lead and organochlorine evaluation report as proposed in the approved Surface Water Quality Management Plan. Staff is currently reviewing the report.

On 1 May, staff received the East San Joaquin Water Quality Coalition 2016 Annual Report for the monitoring program from October 2014 through September 2015. Staff is reviewing the report and preparing comments.

On 3 May, the Executive Officer approved a 30 day extension to the 1 May 2016 submittal of the Nitrogen Management Plan (NMP) Summary Report. The extension will allow the Coalition to complete analysis of the NMP Summary Report data.

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

On 23 March, the Coalition submitted the Arsenic Source Study as proposed in its approved Surface Water Quality Management Plan. Originally, this special study was to include both copper and arsenic, but the last two copper management plans were completed and approved in December 2015.

On 22 April, the Coalition submitted the Nutrient Source Study as proposed in its approved Surface Water Quality Management Plan. It is under staff review.

On 1 May, staff received the San Joaquin County and Delta Water Quality Coalition's Annual Monitoring Report for the reporting period October 2014 through September 2015, as per the Order. The AMR is under staff review.

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

On 23 March, the Westside San Joaquin River Watershed Coalition (Coalition) submitted their Sediment Discharge Erosion Assessment Report Workplan to Address Proximity to Surface Waters. The Workplan is under staff review.

On 24 March, the Coalition submitted a QAPP amendment request. The requested amendment includes an addition of PBO to the sediment analyses; revision of the reporting limit and method detection limits for pyrethroids, DDD, DDE, & DDT; and correct control limits for APPL and Caltest analytical laboratories. The Coalition's request is under staff review.

On 15 April, the Executive Officer approved the Coalition's request to change the monitoring report frequency from semi-annual reports to an Annual Report, which will now be submitted annually on 30 November. The approval included a revision of the Monitoring and Reporting Program Order No. R5-2014-0002-R2.

On 16 May, staff held a Quarterly Meeting with the Coalition representatives to discuss the status of ongoing surface water quality management plans. The Coalition's education and outreach activities were discussed along with exceedance reports, the Comprehensive Surface Water Quality Management Plan report, and management plan completion requirements.

### **Tulare Lake Basin Coalition Groups**

#### **Buena Vista Coalition**

On 12 May, Water Board staff issued a review of the Quality Assurance Project Plan (QAPP) submitted by the Buena Vista Coalition. The QAPP is currently required to include watershed and site-specific information, and project organization and responsibilities related to surface water monitoring conducted by the Coalition. The review includes a summary of the MRP requirements and necessary changes to the document.

On 2 May, the Buena Vista Coalition submitted an Annual Monitoring Report for the October 2014 through September 2015 monitoring period.

#### **Cawelo Water District Coalition**

On 13 April, Water Board staff issued a review of the Quality Assurance Project Plan (QAPP) submitted by the Cawelo Water District Coalition. The QAPP is currently required to include watershed and site-specific information, and project organization and responsibilities related to surface water monitoring conducted by the Coalition. The review includes a summary of the MRP requirements and necessary changes to the document.

On 13 April, the Executive Officer conditionally approved the Groundwater Quality Assessment Report (GAR) submitted by the Cawelo Water District Coalition. The GAR is intended to provide the foundational information necessary to design and implement the Management Practices Evaluation Program, the Groundwater Quality Trend Monitoring Program, and the Groundwater Quality Management Plan(s). It additionally defines the high and low vulnerability areas within the Coalition where discharges may result in groundwater quality degradation, and establishes Member due dates for some reporting components of the program. A copy of the conditional approval letter is available on the Central Valley Water Board webpage.

On 2 May, the Cawelo Water District Coalition submitted an Annual Monitoring Report for the October 2014 through September 2015 monitoring period.

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

On 5 April, Water Board staff issued a review of the Quality Assurance Project Plan (QAPP) submitted by the Kaweah Basin Water Quality Association. The QAPP is currently required to include watershed and site-specific information, and project organization and responsibilities related to surface water monitoring conducted by the Coalition. The review includes a summary of the MRP requirements and necessary changes to the document.

On 29 April, the Kaweah Basin Water Quality Association submitted an Annual Monitoring Report for the October 2014 through September 2015 monitoring period.

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

On 26 April, the Executive Officer conditionally approved the Groundwater Quality Assessment Report (GAR) submitted by the Kings River Watershed Coalition Authority. The GAR is intended to provide the foundational information necessary to design and implement the Management Practices Evaluation Program, the Groundwater Quality Trend Monitoring Program, and the Groundwater Quality Management Plan(s). It additionally defines the high and low vulnerability areas within the Coalition where discharges may result in groundwater quality degradation, and establishes Member due dates for some reporting components of the program.

On 2 May, the Kings River Watershed Coalition Authority submitted an Annual Monitoring Report for the January 2015 through December 2015 monitoring period.

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

On 19 April, Water Board staff issued a review of the Quality Assurance Project Plan (QAPP) submitted by the Kern River Watershed Coalition Authority. The QAPP is currently required to include watershed and site-specific information, and project organization and responsibilities related to surface water monitoring conducted by the Coalition. The review includes a summary of the MRP requirements and necessary changes to the document.

On 29 April, the Kern River Watershed Coalition Authority submitted an Annual Monitoring Report for the October 2014 through September 2015 monitoring period.

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

On 28 April, Regional Water Board staff issued a review of the Quality Assurance Project Plan (QAPP) submitted by the Tule Basin Water Quality Coalition. The QAPP is currently required to include watershed and site-specific information, and project organization and responsibilities related to surface water monitoring conducted by the Coalition. The review includes a summary of the MRP requirements and necessary changes to the document.

On 2 May, the Tule Basin Water Quality Coalition submitted an Annual Monitoring Report for the October 2014 through September 2015 monitoring period.

### **Westside Water Quality Coalition**

On 9 April, the Westside Water Quality Coalition submitted an Annual Monitoring Report for the October 2014 through September 2015 monitoring period.

## **Other Projects**

### **Data Management**

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

Data collected prior to 2009 will continue to be available on the ILRP surface water quality data webpage until those sets are processed and transferred to CEDEN. Staff is currently processing the Westside and Sacramento

Valley Coalition data collected between 2004 and 2008. Once complete, this set will complement the existing data on CEDEN providing all of the data submitted by the Westside Coalition since program inception.

On 23 March, staff loaded California Rice Commission 2015 monitoring data to the CV-RDC database replica. Data covers the period April through August 2015.

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

On 3 May, staff loaded Sacramento Valley Coalition monitoring data to the CV-RDC database replica. Monitoring data covers the period July through September 2015.

#### **Grassland Bypass Project**

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 Plan was approved by the Executive Officer on 15 April 2016.

#### **Rice Pesticides Program**

On 3 February 2016, the California Rice Commission (CRC) submitted recommendations for actions to be taken during the 2016 growing season. The actions considered included: 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. On 25 March 2016, the CRC recommendations for the Rice Pesticide Program were approved by the Executive Officer for implementation during the 2016 growing season.

## 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 to provide information to stakeholders as appropriate.

### **Storm Water Grant Program (SWG) Proposition 1**

Planning Grant applications were due 4 March 2016. Available funding for Planning grants is \$20,000,000, with \$19 million for grant projects and \$1 million for Technical Assistance to Disadvantaged Communities. In May staff provided planning grant application review assistance to the State Water Board by completing reviews of nine applications.

The State Water Board is currently soliciting Storm Water Implementation Grant applications which are due by 8 July 2016. Approximately \$80 million will be available for implementation projects in this first round of funding. Eligible project types include multi-benefit storm water management projects which may include, but shall not be limited to, green infrastructure, rainwater and storm water capture projects and storm water treatment facilities. More information can be found at:

[http://www.waterboards.ca.gov/water\\_issues/programs/grants\\_loans/swgp/prop1/](http://www.waterboards.ca.gov/water_issues/programs/grants_loans/swgp/prop1/)

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

The FY15/16 NPS Grant Program solicitation allowed for one application to apply for both the CWA 319(h) and Timber Fund.

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

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

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

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

**Timber Regulation and Forest Restoration Fund:**

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

Grants to be executed by June 30, 2016:

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

Grants to be executed by June 30, 2017:

Three grants have been recommended for funding. Additional details will follow in the coming year.

## MINES

### 1. **Corona Mine, Napa County**

On 3 May 2016, Marty Hartzell with the Title 27 Permitting and Mining Unit completed an inspection of the Corona Mine in Napa County to observe implementation of a tracer test to determine connectivity between the surface infiltration trench and the underlying drain tunnel. The day prior, Burleson Consulting staff mixed 1,000 gallons of mine discharge water with Sulforhodamine B, a non-toxic tracer, and then released the mixture into a surface trench near the Boiler House Mine portal and allowed it to infiltrate into the underlying soil and rock. The drain tunnel is 400 vertical feet below the surface trench and discharges into Kidd Creek, which is tributary to Lake Berryessa. Two sensors called fluorometers are being used to detect the tracer in effluent from the drain tunnel portal. Staff observed the infiltration trench and apparatus used for the tracer test and observed discharge from the drain tunnel portal to Kidd Creek.

The Corona Mine and the nearby Twin Peaks Mine are both mercury mines that last operated in the mid 1900's. Mine discharge from both mines is being directed to infiltration trenches to reduce the amount mine water discharging to surface waters. The mine property is owned in trust, and assessment work and future stabilization and remediation work at both mines is being coordinated by the Tuleyome Organization (pronounced too-lee-OME-ee) through a grant by the State of California Ecosystem Restoration Program

### 2. **Poison Lake Pond Complex, Amador County**

On 26 April 2016, Marty Hartzell and Natasha Vidic with the Title 27 Permitting and Mining Unit completed an inspection of the Poison Lake Pond Complex owned by the Bureau of Land Management (BLM) and East Bay Municipal Utility District (EBMUD) in Amador County. Three gravity connected tailing impoundments were used to contain acid mine drainage originating from the nearby copper and zinc Penn Mine which operated sporadically from 1861 to 1959. The Upper Pond earthen dam was breached in early 1960s and the ponds no longer retain water. This site drains to Lake Camanche and the Mokelumne River.

The results of metal analyses from recently collected surface water samples provided by EBMUD show that high concentrations of base metals including arsenic and cadmium are identified emanating from the Upper Pond. BLM and EBMUD have prepared an Engineering Evaluation/Cost Analysis which includes consolidating and capping impacted soils, and establishing a storm water conveyance system throughout the site. BLM is competing for federal funding to complete this work which is proposed for the summer of 2017. Water Board staff have requested EBMUD and BLM to continue surface water sampling to provide pre-project characterization.

## PUBLIC OUTREACH

On Sunday, 13 March, Trey Sherrell attended a meeting of the Sierra County Growers Association with Agricultural Commissioner Tim Gibson. Staff gave a short presentation at the meeting detailing the steps to compliance with the new Cannabis General Order. Approximately 20 participants attended the meeting.

On 16 March Alex MacDonald presented an update on the investigation and remediation efforts by Aerojet and the Boeing Company, and a discussion of the recently submitted at the bimonthly meeting of the Aerojet Community Advisory Group. The update highlighted Aerojet's remediation efforts, an evaluation of the Perimeter Groundwater Operable Unit Performance Evaluation Report, and a presentation on the historical cleanup aspects of the Aerojet site.

On 18 March Alex MacDonald presented the Regional Board Cleanup Program process to members of Singapore Land Authority. A meeting was hosted by the Department of Toxic Substances Control where the cleanup programs in the State of California were discussed. The Singapore contingent was primarily interested in how sites were evaluated, cleanup levels established, land use controls developed, funding for cleanup and coordination between agencies.

On Saturday, 19 March, Kevin Pfeiffer and Griffin Perea attended the South Yuba River Citizens League meeting near Nevada City. Topics discussed included the Water Board's new Cannabis General Order and associated best management practices. Staff also answered cultivator specific questions from the audience and provided feedback on how to comply with permit conditions. Roughly 50 attendees were present.

On 21 March, Alex MacDonald provided the Sacramento Suburban Water District Board with an update on the Aerojet Rocketdyne contaminant plume status. One of the Aerojet Rocketdyne plumes, consisting primarily of the pollutant N-nitrosodimethylamine extends northwest under the American River into the City of Carmichael and the Carmichael Water District. Sacramento Suburban Water is downgradient of the Carmichael Water District service area and is considering the construction of two monitor wells to serve as sentinel wells for their water supply wells. The wells are partially funded by a grant from the Department of Water Resources.

On 23 March, Christine Joab attended a webinar on the "Harmful Algal Blooms and Hypoxia: A Comprehensive Research Plan and Action Strategy" presented by the Interagency Working Group on the Harmful Algal Bloom and Hypoxia Research and Control Act. The report presented outlines on the Federal agencies' roles and responsibilities for evaluating and managing HABs and hypoxia and their response actions.

On 23 March, Guy Chetelat attended a PG&E public meeting regarding Federal Energy Regulatory Commission license and water-quality certification conditions for the lower Pit River (Pit 3,4,5 facilities). Numerous wildlife and resource agencies, tribe and non-governmental organization representatives attended the meeting. Water temperature management to support cold-water fish in the river, and nuisance algal blooms in Lake Britton were discussed.

On 23 March, Trey Sherrell conducted a workshop outlining steps to enroll and comply with the Cannabis General Order for members of the Calaveras Cannabis Alliance. Mr. Sherrell provided a two hour presentation followed by several hours of questions and discussion concerning Best Management Practices and their implementation. Approximately 50 participants attended the event.

On 30 March, Lynn Coster, Gurbinder Dhaliwal, Yared Kebede, and Ashley Peters attended a Water Quality Goals class presented by Jon Marshack of the State Water Resources Control Board. The class provided training on water quality standards, the selection of assessment thresholds, searchable online databases, and the use of these tools to assess water quality.

On 5 April, Lynn Coster and Susan Fregien toured the Placer-Nevada-South Sutter-North Sacramento (PNSSNS) Subwatershed with representatives from SVWQC and the subwatershed. The tour focused on viewing the two surface water monitoring sites and the crop distribution in the subwatershed. Staff was assessing whether the current Representative Monitoring site (Coon Creek at Brewer Road) adequately represents the distribution and types of crops for the whole subwatershed.

On 5 April, 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 6 and 7 April, Shane Edmunds attended the 8th workshop of the Mendocino Firescape Working Group in Upper Lake, California. The first day was a workshop discussing how different stakeholders could help the group achieve its goals. We updated the group on our work on a new timber waiver, and potential future funding opportunities for fuels projects via the AB 1492 Forest Restoration Grant Fund. The second day involved a field tour looking at the Pine Mountain Late Seral Reserve Habitat Enhancement Project and working on a group exercise focusing on forest management.

On 11 April, at the request of the Calaveras County Board of Supervisors Vice Chair, Trey Sherrell provided a presentation on the Central Valley Water Board's Cannabis Cultivation Wasted Discharge Regulatory Program at a regularly scheduled Calaveras County Board of Supervisors meeting. More than 200 attendees plus the Board of Supervisors and other County Officials attended the event.

On 12 April, 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 12 April, Christine Joab and Janis Cooke attended the Seventh Technical Planning Meeting for the Delta Region Areawide Aquatic Weed Project (DRAAWP) at UC Davis. Presentations were given by the various funded agencies on their recent progress and plans for 2016. These agencies are conducting focused research on the area-wide management of aquatic weeds in the Sacramento-San Joaquin Delta. Some of the research projects (e.g., nutrient research on macrophyte growth and distribution, and mapping/ modeling of weeds in the Delta) are of interest to the Delta Nutrient Research Plan effort.

On 13 April, Christine Joab attended the California CyanoHAB Network Meeting. The group discussed the organizational structure and future goals and work products.

On 13 April, 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 15 April, Anthony Medrano and Stephen Klein visited Paradise Colony, Tulare County to provide assistance as Environmental Justice liaison for the residents. Paradise Colony's small water supply system has been chosen for a groundwater remediation pilot study for the treatment of nitrate.

On 20 April, Terry Bechtel and Scott Perrou provided an ILRP update at a California Association of Pest Control Advisors (CAPCA) continuing education seminar. The CAPCA seminar was focused on San Joaquin County and upper Stanislaus County grape crop advisors and pest control advisors. Staff's presentation discussed the ILRP and the water quality goals and how the grower advisors can help their clients comply with the ILRP. The seminar was attended by over 50 crop advisors and pest control advisors.

On 20-22 April, Christine Joab and Janis Cooke attended the Interagency Ecological Program's Annual Workshop.

On 21 April, Shane Edmunds volunteered for the Sierra-Cascade Logging Conference's In-Woods Demonstration Education Day in Viola, California. The event was a field trip involving more over 400 children from local schools to learn about forested landscapes. Specific topics included timber harvesting methods, career opportunities, wildlife, science and research as well as many more topics. Staff engaged with children from elementary to high school explaining the role of the water board and the process to get hired with the state.

On 21 April, Kevin Pfeiffer and Trey Sherrell attended a community meeting with the Yolo County Department of Agriculture in Woodland. Staff gave a short presentation at the meeting detailing the steps to compliance with the new Cannabis General Order. Staffs were present several hours after the presentation to answer questions on an individual basis. Roughly 100 attendees were present.

On Saturday, 23 April, staff from the Central Valley Regional Board's Redding office exhibited a Water Board booth at the 20<sup>th</sup> Annual Whole Earth and Watershed Festival in Redding. This Earth Day event promotes healthy and sustainable living, environmental education, conservation, and local economy. The booth provided an overview of Water Board programs, with a focus on programs managed by the Groundwater Unit (underground storage tanks, site cleanup, land disposal, and composting). Members of the community were able to ask questions about the Water Board's activities and water quality issues, obtain informational pamphlets, and observe a live aquifer demonstration. Staff reported a very good turn out for the event.

On 25 April, Betty Yee attended the Pit River Tribe Interagency Information Sharing Session. Presentations were made on the Medicine Lake Highlands, fishery resources, water quality concerns, and tribal participation. The Pit River Tribe intends to hold additional Interagency Information Sharing Sessions in the future.

On 25 April, Christine Joab attended a meeting of the American River Basin Integrated Regional Water Management Plan Planning Forum. Updates were provided on the region's current water resource conditions, water conservation targets, and status of Proposition 1 and Proposition 84 grants. Presentations were provided on additional projects such as the Valley Foothills Watershed Collaborative and the development of the region's storm water resource plan.

On 26 April, Lynn Coster attended SVWQC's monthly meeting in Elk Grove. Lynn fielded questions regarding the State Water Board's proposed Order regarding the Eastern San Joaquin Waste Discharge Requirements, on-farm inspections to be conducted by Central Valley Water Board staff, and SVWQC's Farm Evaluation Summary Report.

On 27 April, Scott Hatton gave a presentation at a meeting of the Business Academy for Regulatory Compliance. The presentation provided an overview of the Non-15 Waste Discharge Requirements (WDRs) Unit and how dischargers can apply for WDRs, how staff drafts tentative WDRs, and how the WDRs get adopted at a Regional Water Board meeting.

On 28 April Alex MacDonald presented an update on the Aerojet Rocketdyne cleanup efforts, and James Taylor and Air Force representatives 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 and proposed extraction wells helping to define and control the plume of n-nitrosodimethylamine in the Carmichael Water District Area. 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 3 May, Anthony Medrano followed up with the KEEN coordinator to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

On 5 May, Kevin Pfeiffer and Trey Sherrell attended a meeting with the Gold Country Chapter of Women Growers in Grass Valley. Staff provided a short presentation on the new Cannabis General Order and answered individual questions from interested parties. Roughly 50 attendees were present.

On 9 May, Christine Joab attended the San Francisco Bay Regional Board's Freshwater Harmful Algal Blooms Workshop. The purpose of the workshop was to educate local and regional water body managers and local public health officers on the cyanobacteria issues occurring statewide and within the San Francisco Bay region and to provide them with information on available resources from the California CyanoHAB Network. The final topic of discussion was how to work together on developing a communications framework for dispersing and sharing information on blooms in the region.

On 10 May, Patrick Morris and Janis Cooke attended a meeting of the Delta Tributaries Mercury Council. Presentations included methods of controlling erosion with biotechnical engineering and monitoring methylmercury in tidal wetlands.

On 10 May, Anthony Medrano followed up with FERN coordinator to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

On 10 May, Lynn Coster attended a field tour of the Dixon/Solano subwatershed. The tour was planned by the State Water Resources Control Board as the second meeting day of the statewide ILRP Roundtable. This is a quarterly meeting of State Board Irrigated Lands Regulatory Program staff and staff representatives from all Regional Boards with Irrigated Lands Programs. The field trip was hosted by the Dixon/Solano Subwatershed, a subwatershed in the Sacramento Valley Water Quality Coalition. Coalition representatives and growers provided on-farm discussions of management practice implementation (including nitrogen management plans), surface water monitoring, and current reporting requirements.

On 11 May, Anthony Medrano followed up with IVAN Kings County coordinator to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

On 11 May, Lynn Coster attended the Shasta Tehama Water Education Coalition (STWEC) Annual Member Meeting in Red Bluff. Lynn gave a presentation on impending on-farm inspections to be conducted by Central Valley Water Board staff and also discussed the status of active Surface Water Quality Management Plans in the subwatershed. Questions were also fielded regarding the proposed revisions to the Eastern San Joaquin Waste Discharge Requirements

On 12 May, Janis Cooke and Adam Laputz participated in a panel before the Delta Independent Science Board (ISB). The ISB convened the panel to provide information to the ISB for its review of Delta water quality monitoring efforts and management needs. Janis' presentation highlighted research needs and management questions that remain in order for the Board to complete its goals in the 2014 Delta Strategic Plan.

On 18 May, Lynn Coster, Susan Fregien, and Sue McConnell met with Professor Ken Tate and Dan Macon from the University of California Cooperative Extension to discuss their efforts to assist growers in the development of Nitrogen Management Plans and Sediment and Erosion Control Plans, pertaining mainly to irrigated pasture.

On 18 May, Guy Chetelat provided information on Proposition 1 sustainable ground water, 319h and Timber program grants at the North Sacramento Valley Integrated Regional Water Management (IRWM) technical advisory meeting in Willows. Project updates, disadvantaged communities, tribe and county IRWM activities were discussed.

On 18 May James Taylor participated in the former McClellan Air Force Base Restoration Advisory Board (RAB) meeting at the North Highlands Park and Recreation District Center in North Highlands, California. This is a public meeting where agencies inform the public of cleanup issues at Department of Defense facilities and enlist their comments. The main topics for the meeting were general updates on the Air Force and Privatized Cleanup Projects at McClellan.

On 24 May, Kevin Pfeiffer and Trey Sherrell provided a joint presentation with the Yolo County Department of Agriculture at the *Lil' Shop of Growers* in Woodland. Water Board staffs provided a short presentation regarding General Order compliance and Notice of Intent requirements. Staff was present for several hours after the meeting to answer questions from interested parties and cultivators. Roughly 50 attendees were present.

**PERSONNEL AND ADMINISTRATION**

**STAFFING UPDATE**

**March 22, 2016 through May 25, 2016**

**Promotion: None**

**Leave of Absence:**

Michelle Snapp – Water Resource Control Engineer  
John Moody – Water Resource Control Engineer

**Retirement:**

Diane Beaulaurier – Environmental Scientist

**Authorized Positions:**

**243.7**

**Vacant Positions: 18**

<b>Separations</b>	<b>New Hires</b>
Laura McLellan – Environmental Scientist Chris Day – Engineering Geologist Mustapha Guerbaz – Water Resource Control Engineer Scott Gilbreath – Water Resource Control Engineer Karen Snavely – Office Technician	David Torres – Water Resource Control Engineer Ronna Bowers – Engineering Geologist Justin LaNier - Engineering Geologist

**Temporary Help Positions**

<b>Separations</b>	<b>New Hires</b>
Justin Kelley – Eng/Arch Student Assistant Sergey Markevich – Eng/Arch Student Assistant Jeondra Arrington – Scientific Aid Andre Sanchez – Scientific Aid Pa Vang – Scientific Aid Philip Churchill – Scientific Aid	Jacob Schmitz – Scientific Aid Margie Saldana – Seasonal Clerk Dennis Costache – Scientific Aid Katie Gilman – Eng/Arch Student Assistant

**TRAINING UPDATE**

**March 22, 2016 through May 216**

<b>Class Title</b>	<b>Number of Attendees</b>
Active Shooter_Run Hide Fight Training	24
Authorization to use privately owned Vehicles on State Business	1
Basic Supervision for State Supervisors - Part	1
Basic Supervision, Part 1	1
Basic Supervision Part 2	1
Basic Supervision, Part	1
CalEPA Basic Inspector Academy	1
CalHR Supervisor's Academy (10 Day Cohort)	2
Defensive Drivers Training	6
Ethics Orientation for State Officials	2
Geosynthetic Liner and Cover Design	2
Introduction to CEQA	5
Introduction to Dam Removal	1
Introduction to Fish Passage	3
Vapor Intrusion	4
Water & Energy - Working for Solutions	2
Water Quality Goals	30

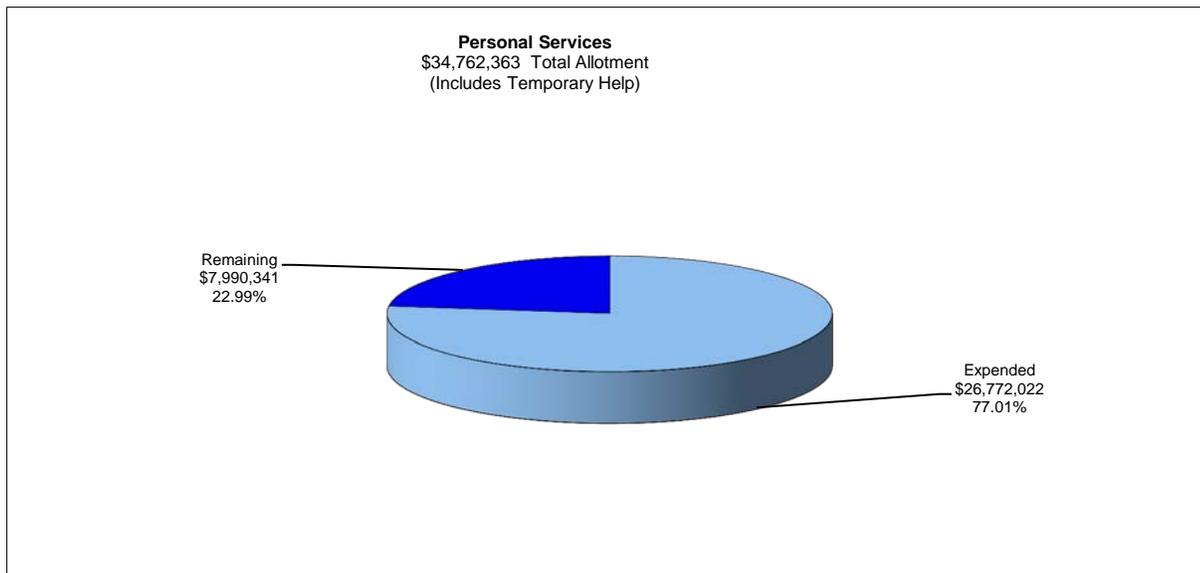
## FISCAL UPDATE

Through April 30, 2016

(Approximately 83% should have been expended to date)

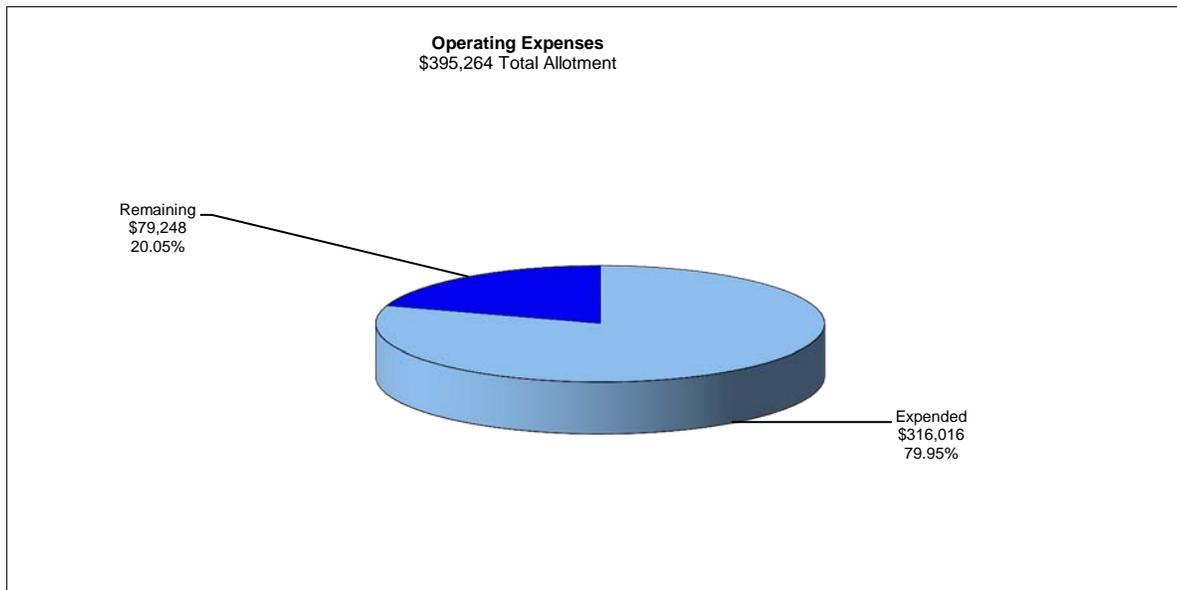
### Personal Services:

Our Personal Services budget for the 2015-16 Fiscal Year is \$34,762,363.



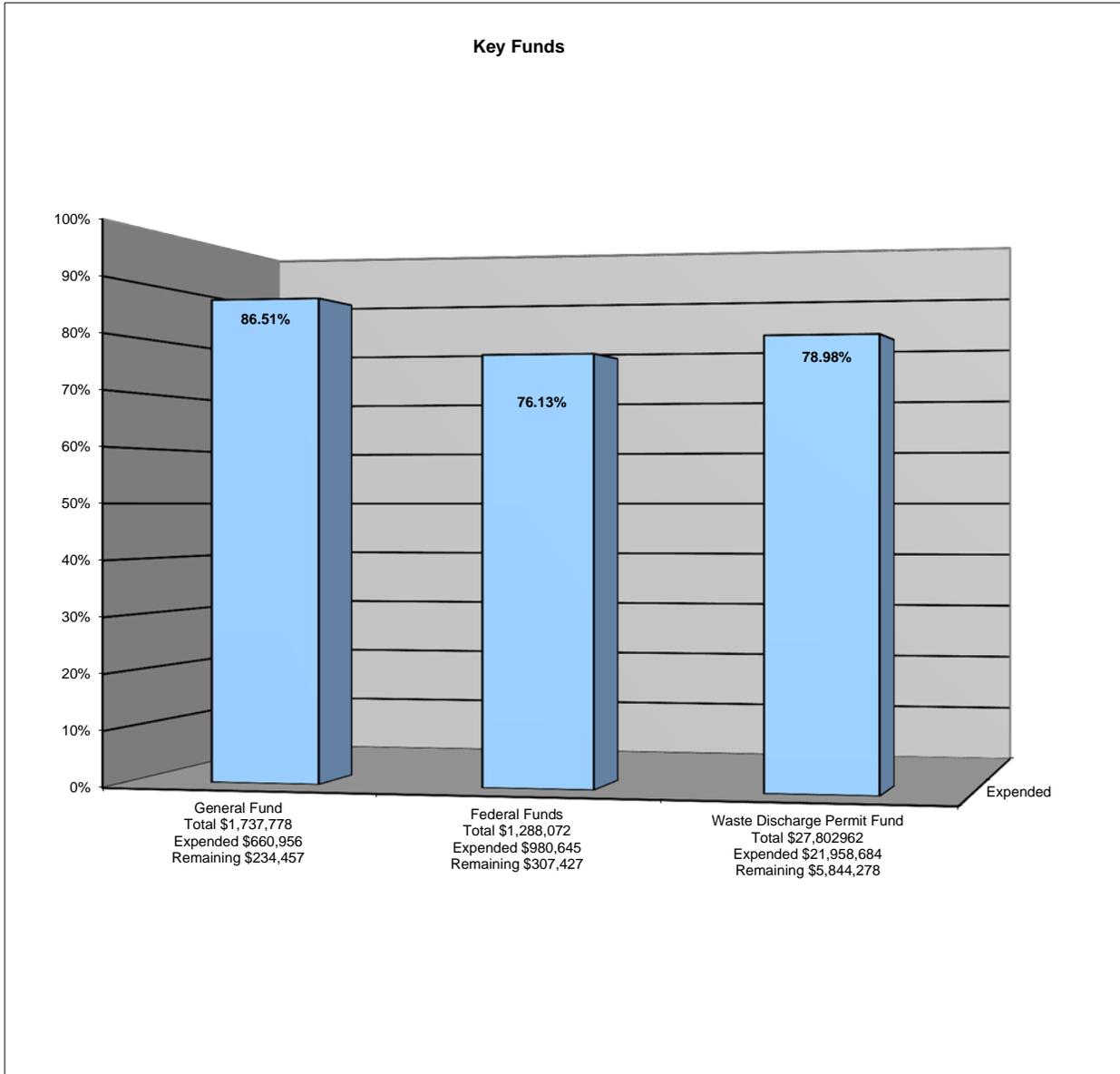
### Operating Expenses:

Our Operating Expense budget for the 2015-16 Fiscal Year is \$395,264.



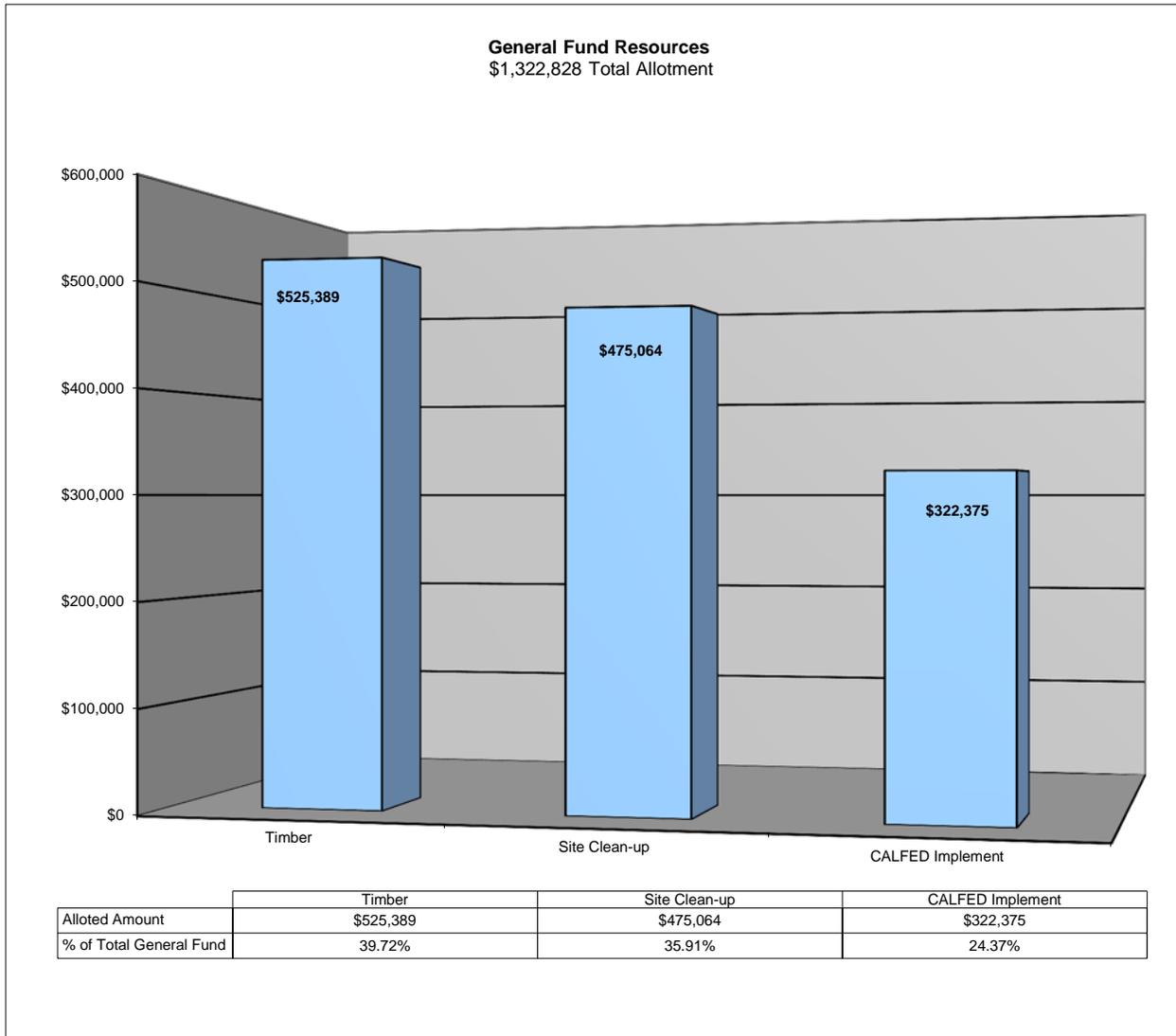
Key Funds

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



General Fund Resources:

Our General Fund budget for the 2015-16 Fiscal Year is \$1,322,828. The Legislature and the Governor have directed our General Fund monies to specific programs. We have very little discretion in shifting these resources from one program to another.



**CONTRACTS**

<b>Contract #</b>	<b>Contractor Name</b>	<b>Description</b>	<b>End Date</b>	<b>Amount</b>
<b>Administrative 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 (off-site)	6/30/2017	\$4,800.00
<b>Operational Support Services</b>				
<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>11-123-555</b>	San Joaquin Valley Drainage Authority	CV-Salts - Phase 2	12/1/2016	\$3,800,000
<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)
- Bear Valley WWTP Permit Renewal
- City of Auburn WWTP Permit Renewal
- City of Mendota (Revised WDRs)
- Corning WWTP Renewal
- Live Oak Permit Renewal
- Quincy CSD WWTP and Collection System Permit Renewal
- Santa Fe Aggregates Sand and Gravel Plant Permit Renewal
- 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

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

- Altamont Landfill, Alameda County (Revised WDRs)
- Anderson Class III Landfill (Revised WDRs)
- City of Clovis MSW Landfill, Fresno County (Revised WDRs)
- Recology Hay Road Landfill, Solano County (Revised WDRs)
- Royal Mountain King Mine, Calaveras 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**

- Bean Creek Meadow Restoration Project, Sierra Foothill Conservancy, Mariposa County – Initial Study and Mitigated Negative Declaration
- Calaveras County Water District, Copper Cove WWTP Permit Amendment
- City of Laton WWTF (Revised WDRs)
- Colusa Permit Renewal
- Cottonwood WWTP Renewal
- Darling Ingredients (Revised WDRs)
- General Orders for Oil Field Discharges to Land (New WDRs)
- Harris Ranch Selma Beef Processing (Revised WDRs)
- Limited Threat General Order Renewal
- Monarch Nut Company (Revised WDRs)
- New POTW General Order
- Oakwood Lake Water District (Revised WDRs)
- Pleasant Valley State Prison WWTF (Revised WDRs)
- San Andreas Sanitary District WWTP Permit and TSO Amendments

## **IRRIGATED LANDS REGULATORY PROGRAM**

- Resolution regarding regulation of Wetlands in ILRP

## **OCTOBER 2016 BOARD MEETING**

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

- City of Richgrove WWTF (Revised WDRs)
- Sun Pacific Shippers, Bakersfield (Revised WDRs)
- Amador County Water Agency (Revised WDRs)

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

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

## **CONFINED ANIMAL PROGRAM**

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

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

- Alturas High School Geothermal Rescission
- Bogle Vineyards (Revised WDRs)
- Bolthouse Farms, Bakersfield carrot plant (Revised WDRs)
- Bully Hill Rising Star Mines (New WDRs)
- Burney Wastewater Treatment Plant (Revised WDRs)
- CA Dept. of Corrections, Mule Creek (Revised WDRs)
- Calaveras County Water District, Copper Cove WWTF (Revised WDRs)
- Califia Farms (Revised WDRs)
- City of Atwater Renewal
- City of Delano WWTF (Revised WDRs)
- City of Fresno WWTF (Revised WDRs)
- City of Galt (Revised WDRs)
- City of Lodi (Revised WDRs)
- City of Manteca WWTF (Revised WDRs)
- City of Modesto (Revised WDRs)
- City of Newman (Revised WDRs)
- City of Tuolumne WWTF (Revised WDRs)
- City of Visalia WWTF (Revised WDRs)
- Clear Creek WWTP Renewal
- Clear Lake WWTP Renewal
- Colusa Industrial Park (Revised WDRs)
- Darling Ingredients (Revised WDRs)
- Delicato Family Vineyards (Revised WDRs)
- Digger Bay Marina (Revised WDRs)
- Empire Mine State Park Renewal
- Golden Feather School District, Spring Valley School (Revised WDRs)
- Grizzly Ranch WW Recycling Renewal
- Ingomar Packing (revised WDRs)
- Ironhouse Sanitation District (Revised WDRs)
- Lake California WWTP Rescission
- Liberty Packing Tomato Processing (Revised WDRs)
- Linda County Renewal
- London CSD (Revised WDRs)
- Los Gatos Tomato (Revised WDRs)
- Maxwell PUD (Revised WDRs)
- McCloud WWTF(Revised WDRs)
- McMannis Family Vineyards (Revised WDRs)

- Miners Ranch Rescission
- Mokelumne Rim Vineyards (Revised WDRs)
- Morningstar Packing Company (Revised WDRs)
- Nevada City Renewal
- North State Rendering Tallow Plant (Revised WDRs)
- Olam Tomatoes, Williams Plant (New WDRs)
- Olson Meats (Revised WDRs)
- Pactiv Molded Pulp Mill Renewal
- Palo Cedro Wastewater Treatment Facility (Revised WDRs)
- Paradise WTP Rescission
- Placer County SMD No 1 Permit Rescission
- Pleasant Valley State Prison WWTF (Revised WDRs)
- Portola WWTP Renewal
- River Highlands, Hammonton Gold Village Renewal
- Smuckers Juice Plant (Revised WDRs)
- Spanish Mine Rescission
- Spanish Mine, Nevada County (New WDRs)
- SPI Anderson Rescission
- Sun Pacific/Califia Farms (Revised WDRs)
- Tasteful Selections (Revised WDRs)
- Treehouse Almonds (Revised WDRs)
- UC Davis Aquatics Weed & Hydraulics Laboratory (Revised WDRs)
- UC Davis CABA Rescission
- Washington Mine Renewal
- Willows WWTP Renewal
- Yocha De He Tribe (Revised WDRs)
- Zacky & Sons Poultry (New WDRs or MRP)

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

- City of Bakersfield Sanitary Landfill, Kern County (Revised WDRs)
- Chestnut Avenue Landfill, Fresno County (Revised WDRs)

**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>2016-05-24</b> Regional Board completed CEQA Scoping meeting in July 2009. A draft summary report on OC pesticides was completed in December 2014. Loss of staff has delayed project.	Regional	R5
A-14	Central Valley Diazinon and Chlorpyrifos Basin Plan Amendment	<b>2016-04-20</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-15	Region-wide General Order for MS4s	<b>2016-05-25</b> Permit development meetings with a Permittee working group, interested watershed group representatives, State Water Board staff, USEPA staff, and others have concluded. An Admin draft permit was released for public comment on 11 March 2016. Subsequently a Tentative draft permit was released on 20 April 2016. Comments have been received, and a revised Tentative permit is scheduled to be considered for adoption at the Central Valley Water Board's 23/24 June 2016 meeting in Rancho Cordova. (Staff contact, Bryan Smith)	Regional	R5
A-15	Central Valley Pyrethroids Basin Plan Amendment	<b>2016-05-24</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 Board workshop was held in February 2016. A Board information item on pyrethroid-reltaed monitoring is scheduled for June 2016. Additional outreach, workshops and final adoption are scheduled for 2016.	Regional	R5
A-15	Basin Plan Amendment for a region-wide evaluation process for the Municipal and Domestic Supply (MUN) beneficial use in agriculturally dominated surface water bodies	<b>2016-05-19</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. A public information item on the development of a LIMITED-MUN beneficial use was conducted on 30 July 2015 at the Central Valley Water Board meeting. Central Valley Board workshop tentatively scheduled for 17 August 2016. Board consideration anticipated December 2016.	Regional	R5
A-15	Central Valley Diuron Basin Plan Amendment	<b>2016-05-24</b> In development. Scoping meeting held in October 2012. Originally scheduled for peer review draft release in early 2016, Board Hearing in 2016. Reviewing current water quality information which indicates effectiveness of Irrigated Lands Regulatory Program Management Plans. Delayed due to loss of staff. (Staff contact, Danny McClure)	Regional	R5

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-16	Implement Lower San Joaquin River Salt/Boron TMDL	<b>2016-05-19</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. Both updated MAA and a phased RTMP approved during 4 December 2014 Central Valley Water Board meeting (Resolutions R5-2014-0150 and R5-2014-0151, respectively). Salt load allocations also incorporated into appropriate Ag Coalition WDRs with option to participate in Board approved RTMP. USBR FY15/16 Annual Workplan to address salt loading accepted by EO on 24 September 2015, with Addendum in November 2015. USBR also submitted an annual report update in January 2016. The RTMP stakeholders formed a steering committee in October 2015 with the first meeting on March 1, 2016. The steering committee submitted its first annual report on March 31, 2016. The steering committee has applied for a DWR grant for west side San Joaquin Valley monitoring stations on tributaries to the Lower San Joaquin River (Staff contact, James Brownell)	Regional	R5
A-16	Establish New Water Quality Objectives for Salinity and Boron in the Lower San Joaquin River - Amendment to the Sacramento River and San Joaquin River Basin Plan.	<b>2016-05-19</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. A workshop is tentatively scheduled for 17 August 2016 with consideration by the Regional Board in later 2016.	Regional	R5
A-16	General Order for Poultry Facilities	<b>2016-06-01</b> General Order for poultry raising and egg laying facilities. Drafting of General Order has begun. Information item on draft poultry order was presented in April 2016. Administrative Draft has been circulated, and is scheduled to be presented in front of the Board for adoption in August 2016.	Regional	R5
A-16	Toxicity Amendments to the Inland Surface Waters, Enclosed Bays, and Estuaries Plan	<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

Key	Item	Status	Statewide or Regional Project	Org. Lead
*A-16	Procedures for Discharges of Dredged or Fill Materials to Waters of the State (Proposed for Inclusion in the Water Quality Control Plan for Inland Surface Waters and Enclosed Bays and Estuaries)	<b>2016-05-25</b> State Water Board staff has prepared proposed Procedures for Discharges of Dredged or Fill Materials to Waters of the State, formally known as the wetland area protection and dredge fill permitting policy. The proposed Procedures have been reviewed and commented on by the regional boards, presented to the DMC and the MCC. In addition, staff have held informal, focused stakeholder outreach. Staff has completed the accompanying draft Substitute Environmental Document (SED) and it is undergoing review by management and OCC. Staff expects to release the proposed Procedures and SED for public comments in June 2016. State Water Board consideration is planned for November 2016.	Statewide	SB
A-16	2014 Integrated Report Adoption	<b>2016-05-25</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. It is expected that Regions 3 and 9 will take their Regional Integrated Reports to hearing in September 2016. Region 5 has a target hearing date of December 2016. 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 reviewing LOEs in preparation for the 2016 Integrated Report.	Statewide	SB
A-16	Phase II Small Municipal Separate Storm Sewer System (MS4) Permit Amendment	<b>2016-05-24</b> State Water Board staff is developing a Permit Amendment, Attachment G (titled Region-specific Total Maximum Daily Loads Implementation Requirements) and Fact Sheet of the Small MS4 Statewide General Permit. The Permit Amendment includes new and revised TMDL implementation requirements, and compliance schedules. The draft order amending the permit is anticipated to be released for public comments in July 2016; Subsequent Board consideration of adoption is proposed in late 2016.	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

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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
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>2016-05-26</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. A separate public comment period began on April 22, 2016 and ended on May 13, 2016 to address transition of existing enrollees under other Regional Board recycled water use orders. Staff received 16 comment letters. Staff is working on response to all comments received. Board adoption is scheduled for June 7, 2016.	Statewide	SB

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A-16	Underground Storage Tank Electronic Reporting Regulations	<b>2016-05-27</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. The regulation package for Notice was submitted to the Office of Administrative Law (OAL) on March 10, 2016. The public comment period started March 25, 2016 and ended May 10, 2016 at noon. Public comments have been received and the proposed regulations are being revised. A 15-day public comment period will occur in June. Staff will present it to the Board for adoption at the August 2, 2016 Board Meeting.	Statewide	SB
A-16	Statewide General Waste Discharge Requirements Order for Wineries	<b>2016-05-25</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 meetings with wine industry representatives performed.	Statewide	SB
A-16	Statewide General Permit for Discharges from Hydrostatic Testing and Site Dewatering of Natural Gas Facilities	<b>2016-05-24</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 is developing a California Environmental Quality Act Initial Study for the non-NPDES portion of the proposed order. Staff anticipates posting the draft permit, California Environmental Quality Act document, and a resolution to approve the California Environmental Quality Act document in Fall 2016 for a 30-day public comment period. Staff anticipates presenting these items to the State Water Board for consideration late 2016.	Statewide	SB
A-16	SB 83, Section 45 - Produced Water Pond Report	<b>2016-05-17</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. Link to report: <a href="http://www.waterboards.ca.gov/water_issues/programs/groundwater/sb4/index.shtml">http://www.waterboards.ca.gov/water_issues/programs/groundwater/sb4/index.shtml</a> . 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>2016-05-17</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. 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

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A-17	Nutrient Numeric Endpoints Tools	<b>2016-05-25</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 (SAG), a Science Panel, and expanded a Regulatory Group (RG) 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. Staff held webinars 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 June 2016. An outreach document is available for public review at the State Water Board's website on the nutrient objectives webpage. Staff plans to update the project's RG and SAG on the updates to the technical science and the merging of the bio-integrity project and biostimulatory substances project. These meetings to update the RG and SAG will take place once the focus group outreach is complete. 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
A-17	Phase II update of the Bay-Delta Plan: Comprehensive Review	<b>2016-05-26</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 working draft Scientific Basis Report is expected to be released for public review in late spring/early summer 2016. Staff is also developing a Substitute Environmental Document that will provide an evaluation of the potential environmental impacts of the proposed changes to the Bay-Delta Plan. This document is expected to be released for public review in 2017.	Statewide	SB
A-17	Mercury Water Quality Objectives & Implementation	<b>2016-05-24</b> In coordination with the Reservoir Mercury TMDL team, staff is preparing mercury water quality objectives and a plan of implementation. Scientific peer review was initiated on May 1, 2016, and the scientific reviewers' comments expect to be received July 31. The draft staff report and the draft regulatory language are expected to be release to the public in the fall of 2016.	Statewide	SB

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*A-17	Maximum Contaminant Level (MCL) for 1,2,3-Trichloropropane (1,2,3-TCP)	<b>2016-05-04</b> Division of Drinking Water staff are in the process of drafting the regulation and are working on the CEQA analysis, developing the Standardized Regulatory Impact Assessment (Major Regulation), and initiating the external scientific peer review process. Prior to proposing an MCL for 1,2,3-TCP, staff plan on holding focused stakeholder meetings (May 2016 timeframe) and public workshops (June 2016 timeframe) which will be followed by a public comment period and public hearing (September/October 2016 timeframe) to present the proposed MCL to the public for comment. Staff anticipate a Board Adoption date in early 2017, and then provide the regulations package to OAL for its review and approval. The MCL is anticipated to be effective in the spring of 2017.	Statewide	SB
A-17	Biological Integrity Plan Development	<b>2016-05-25</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 regulatory advisory groups. Staff is combining efforts with the Biostimulatory substances project and creating a project charter that defines the roles and responsibilities of a multi-unit team. The charter is currently under review by DWQ management.	Statewide	SB
A-17	Blue Green Algae Action Levels	<b>2016-04-26</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 Water Quality Monitoring Council on issues related to CCHABs.	Statewide	SB
*A-17	Sediment Quality Objectives (SQOs) for Enclosed Bays and Estuaries: Phase II*	<b>2016-05-23</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

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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>2016-05-18</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	Antidegradation Policy	<b>2016-05-17</b> The State Water Board issued a draft scoping document and held follow-up focused stakeholder meetings in June and July 2015. Comments from these meetings are summarized and posted on the program website. State Water Board staff is not actively working on a statewide policy for implementation of the Antidegradation Policy for discharges to groundwater. The draft Eastern San Joaquin River Watershed Agricultural Order addresses some of the larger issues the stakeholders identified during staff's outreach efforts. Staff and executive management will consider what additional guidance or regulatory action is necessary after the State Water Board issues a final order in the East San Joaquin matter.	Statewide	SB
A	USFS MOU for BAER activities	<b>2016-05-20</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
A	Development of permit for Federal Non-Point Source activities on Forest Lands	<b>2016-05-20</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>2016-05-20</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 April 2016 the Steering Committee approved the FY16/17 monitoring plan and budget.	Statewide	SB
A	Revision of General Order for Existing Dairies	<b>2016-06-01</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

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A	Groundwater Quality Protection Strategy	<b>2016-05-18</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 June 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>2016-05-18</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
A	Cadmium Objective and Hardness Implementation Policy	<b>2016-05-25</b> The Hardness Implementation Policy is now a project separate from the updated Cadmium Objectives Project. U.S. EPA has updated its 304(a) recommended criteria for acute and chronic freshwater and saltwater aquatic life beneficial uses. However, the freshwater criteria are less stringent than required by the Endangered Species Act biological reviews of the California Toxics Rule in 2000 and the 2002 U.S. EPA acute cadmium criterion for freshwater adopted by the State of Oregon. Because Oregon shares Evolutionarily Significant Units for listed (threatened or endangered) species with Northern California, staff are awaiting the outcome of a rulemaking by U.S. EPA specific to Oregon. The rulemaking is expected to be finalized in summer 2016. Staff are developing proposed policy options for statewide cadmium objectives given this complex set of national and regional U.S. EPA cadmium criteria.	Statewide	SB
A	Suction Dredge Mining Activity	<b>2016-04-20</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

Key	Item	Status	Statewide or Regional Project	Org. Lead
A	Implement Mercury TMDL/Control Program in Cache Creek Watershed - Sacramento River and San Joaquin River Basin Plan	<b>2016-05-25</b> Mining waste at six former mercury mines in the upper Cache Creek watershed was tentatively scheduled to be consolidated and covered in 2014 to prevent continued erosion of mercury sediment into Sulphur Creek, a tributary to Cache Creek. Permitting delays associated with review and approval of the project by the US Army Corps of Engineers has delayed the mine cleanups. The project is now scheduled to begin in July and be completed in September 2016.	Regional	R5
P	Water Effects Ratio	<b>2016-05-17</b> The project will establish criteria for developing site specific objectives for metals based on the water effect ratios for a specific water body. Staff will prepare a proposed Water Effects Ratio Policy at a future date.	Statewide	SB
P	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>2016-04-20</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>2016-05-18</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 Overflow (SSO) Spills – Summary Report**  
 Count of Spills for February 2016 through March 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	
February 2016	1	1	11	13	0	0	1	1	4	2	164	170	184
March 2016	1	1	10	12	0	1	2	3	8	3	123	134	149
<b>Total</b>	<b>2</b>	<b>2</b>	<b>21</b>	<b>25</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>12</b>	<b>5</b>	<b>287</b>	<b>304</b>	<b>333</b>

Spill Cause	Count of Spills	%
Root intrusion	196	58.9%
Debris-General	54	16.2%
Grease Deposition (FOG)	31	9.3%
Operator error	15	4.5%
Debris-Rags	7	2.1%
Other	9	2.7%
Pipe Structural Problem/Failure	6	1.8%
Debris from Lateral	3	0.9%
Vandalism	2	0.6%
Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure	1	0.3%
Construction Diversion Failure	1	0.3%
Damage by Others Not Related to CS Construction/Maintenance	1	0.3%
Debris from Construction	1	0.3%
Inappropriate Discharge to CS	1	0.3%
Non-Dispersables	1	0.3%
Pipe Structural Problem/Failure - Installation	1	0.3%
Pump Station Failure-Controls	1	0.3%
Pump Station Failure-Mechanical	1	0.3%
Surcharged Pipe (Combined CS Only)	1	0.3%
<b>Grand Total</b>	<b>333</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 properly

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

## ATTACHMENT A - Sanitary Sewer Overflow (SSO) Spills - February 2016 through March 2016

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
SS	Sutter Creek CS	555011061	823133	Certified	Category 1	System Manhole #27 located in field on Allen Ranch	Amador	Yes	29,500	25,000	3/19/2016	Debris from Construction
SS	Sacramento Area Sewer District CS	555010912	821841	Certified	Category 1		154520 Sacramento	Yes	5,640	5,430	2/7/2016	Root Intrusion
SS	South Placer Mud CS	555011054	823020	Certified	Category 1	4410 Rocklin Rd Rocklin CA 95677	Placer	Yes	5,513	4,727	3/12/2016	Inappropriate Discharge to CS
SS	Colfax CS	555010907	822881	Certified	Category 1	54 Quinns Lane	Placer	Yes	4,180	4,180	3/13/2016	Debris-Rags
SS	Deer Creek CS	555010923	823044	Certified	Category 1	DC-2016-03-03	El Dorado	Yes	2,500	2,500	3/14/2016	Pipe Structural Problem/Failure
SF	SA-2 Bass Lake CS	555011319	821845	Certified	Category 1	Rd222	Madera	Yes	2,000	2,000	2/5/2016	Operator Error
SS	Sacramento Area Sewer District CS	555010912	822797	Certified	Category 1		156403 Sacramento	Yes	1,499	1,282	3/6/2016	Grease Deposition (FOG)
SF	Kern Sanitation Authority CS	555010737	822660	Certified	Category 1	Pico at Oswell	Kern	Yes	1,000	1,000	3/4/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	823000	Certified	Category 1		156716 Sacramento	Yes	1,009	931	3/10/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	822174	Certified	Category 1		155335 Sacramento	Yes	888	728	2/21/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	555010912	822998	Certified	Category 1		156709 Sacramento	Yes	617	612	3/13/2016	Root Intrusion
SS	Rio Vista Waste Trt Facility CS	555011037	822182	Certified	Category 1	133 S. 3rd St.	Solano	Yes	200	150	2/18/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	555010912	821761	Certified	Category 1		154242 Sacramento	Yes	150	120	2/3/2016	Root Intrusion
SS	City Of Live Oak CS	555010898	824183	Certified	Category 1	Pennington Street Cleanout	Sutter	Yes	20	10	3/30/2016	Debris-General
SF	Tehachapi Correctional Inst CS	555010763	822110	Certified	Category 2	CCI Tehachapi, Facility A, B-Side Inmate Individual Exercise Modules	Kern	No	80,000	0	2/8/2016	Debris-General
SS	Winters CS	555011092	823275	Certified	Category 2	201 East St	Yolo	No	50,000	0	3/22/2016	Pump Station Failure-Controls
SS	Tuolumne CS	555011068	822085	Certified	Category 2	18050 Box Factory Road	Tuolumne	No	15,300	0	2/16/2016	Operator Error
SS	City of Stockton MUD CS	555011433	822618	Certified	Category 2	North Pump Station at Swenson Park, 6843 Alexandria Pl, Stockton, CA 95210	San Joaquin	No	14,700	0	3/3/2016	Other (specify below)
SF	Sierra Conservation Center CS	555011051	823237	Certified	Category 2	5100 O'byrnes Ferry Road Jamestown Ca, 95327	Tuolumne	No	12,000	0	3/28/2016	Other (specify below)
SS	City of Stockton MUD CS	555011433	821715	Certified	Category 2	Hwy 99 and E. Main Street	San Joaquin	No	10,000	0	2/2/2016	Damage by Others Not Related to CS Construction/Maintenance (Specify Below)
SS	Southeast Regional Waste Disp Fac CS	555011055	823028	Certified	Category 2	15827 26th Ave. Clearlake, CA 95422	Lake	No	3,600	0	3/16/2016	Debris-General
SR	Redding City CS	555010801	823316	Certified	Category 2	871 N Market St.	Shasta	No	2,200	0	3/20/2016	Debris-General
SR	Mt Shasta CS	555010835	823072	Certified	Category 3	South B and Sheldon	Siskiyou	No	900	0	3/8/2016	Root Intrusion
SF	Yosemite Valley CS	555010774	823198	Certified	Category 3	Yosemite Valley Camp 6 Parking lot	Mariposa	No	900	0	3/20/2016	Debris from Lateral
SF	Wasco State Prison CS	555010775	823996	Certified	Category 3	WASCO STATE PRISON	Kern	No	800	0	2/1/2016	Debris-General
SF	Wasco State Prison CS	555010775	823997	Certified	Category 3	WASCO STATE PRISON	Kern	No	800	0	2/26/2016	Debris-Rags
SS	Sacramento Area Sewer District CS	555010912	824214	Certified	Category 3		156572 Sacramento	No	800	0	3/10/2016	Other (specify)
SS	Sacramento Area Sewer District CS	555010912	823412	Certified	Category 3		154518 Sacramento	No	785	0	2/7/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824190	Certified	Category 3		156159 Sacramento	No	750	0	3/3/2016	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	555010912	824211	Certified	Category 3		156535 Sacramento	No	720	0	3/9/2016	Root intrusion
SF	SA-2 Bass Lake CS	555011319	821812	Certified	Category 3	38088 Rd 222	Madera	No	500	0	2/5/2016	Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure
SF	Mariposa Co DON PEDRO SEWER ZONE 1 CS	555011326	822771	Certified	Category 3	9601 Carrillo Way	Mariposa	No	500	0	2/10/2016	Root Intrusion
SF	Tehachapi Correctional Inst CS	555010763	822078	Certified	Category 3	CCI Tehachapi, Facility B, B-Side IEM's	Kern	No	450	0	2/17/2016	Debris-General
SS	Deuel Vocational Institution CS	555010926	822588	Certified	Category 3	MSF Dorm Lift Station	San Joaquin	No	350	0	2/24/2016	Pump Station Failure-Mechanical
SS	Oakdale CS	555011017	822157	Certified	Category 3	599 Hi Tech Parkway	Stanislaus	No	300	0	2/20/2016	Debris-General
SS	City Of Folsom CS	555010893	822500	Certified	Category 3	410 Glenn Dr	Sacramento	No	300	0	2/22/2016	Grease Deposition (FOG)
SF	Mariposa Co YOSEMITE WEST CS	555011323	822776	Certified	Category 3	7292 Buck Brush Lane	Mariposa	No	300	0	2/28/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	823471	Certified	Category 3		155341 Sacramento	No	256	0	2/21/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	823416	Certified	Category 3		154529 Sacramento	No	251	0	2/7/2016	Root intrusion
SF	City of Fresno CS	555011202	823716	Certified	Category 3	2246 E. Harvard	Fresno	No	240	0	3/22/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	823493	Certified	Category 3		155830 Sacramento	No	201	0	2/27/2016	Root intrusion
SF	Tuolumne Utilities District CS	555010771	822117	Certified	Category 3	manhole in front of address	Tuolumne	No	200	0	2/9/2016	Root Intrusion
SS	City of Sacramento Utilities CS	555010901	821914	Certified	Category 3	2766 WOOD VIOLET WAY, SACRAMENTO, CA	Sacramento	No	191	0	2/6/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	555010912	823491	Certified	Category 3		155807 Sacramento	No	176	0	2/25/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	823425	Certified	Category 3		154711 Sacramento	No	171	0	2/9/2016	Root intrusion
SF	City Of Merced CS	555010724	823941	Certified	Category 3	700 Loughborough Drive	Merced	No	157	0	3/30/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	824238	Certified	Category 3		157091 Sacramento	No	155	0	3/19/2016	Root intrusion
SF	Wasco State Prison CS	555010775	823976	Certified	Category 3	WASCO STATE PRISON	Kern	No	150	0	2/16/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	823463	Certified	Category 3		155298 Sacramento	No	147	0	2/20/2016	Grease deposition (FOG)
SS	Easterly CS	555010938	823517	Certified	Category 3	1100 Marshall Rd	Solano	No	134	0	3/30/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	824264	Certified	Category 3		157560 Sacramento	No	128	0	3/25/2016	Root intrusion
SF	City of Fresno CS	555011202	824314	Certified	Category 3	MH 2559-07	Fresno	No	121	0	3/1/2016	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	555010912	824194	Certified	Category 3		156222 Sacramento	No	114	0	3/3/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	823469	Certified	Category 3		155329 Sacramento	No	110	0	2/20/2016	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	555010912	823422	Certified	Category 3		154615 Sacramento	No	104	0	2/7/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	823474	Certified	Category 3		155425 Sacramento	No	102	0	2/22/2016	Root intrusion
SS	Manitaca CS	555010993	822547	Certified	Category 3	2017 manchester	San Joaquin	No	102	0	2/26/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	555010912	824204	Certified	Category 3		156439 Sacramento	No	101	0	3/8/2016	Root intrusion
SF	Selma-Kingsburg-Fowler CS	555011466	821673	Certified	Category 3	McCall and Kamm in Selma	Fresno	No	100	0	2/1/2016	Construction Diversion Failure
SS	Donner Summit CS	555010933	821719	Certified	Category 3	Donner Summit PUD Wastewater Treatment Plant	Nevada	No	100	0	2/3/2016	Other (specify below)
SS	Southeast Regional Waste Disp Fac CS	555011055	821925	Certified	Category 3	15992 18th Ave., Clearlake, Ca 95522	Lake	No	100	0	2/10/2016	Grease Deposition (FOG)
SS	Murphys CS	555011007	822268	Certified	Category 3	Manhole # 16	Calaveras	No	100	0	2/24/2016	Root Intrusion
SS	City of Sacramento Combined CS	555010901-C	822744	Certified	Category 3	1 CAPITOL MALL, SACRAMENTO, CA	Sacramento	No	100	0	3/4/2016	Surcharged Pipe (Combined CS Only)
SS	Davis CS	555010921	823552	Certified	Category 3	947 Cypress Lane	Yolo	No	100	0	3/30/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	823411	Certified	Category 3		154513 Sacramento	No	98	0	2/6/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	823460	Certified	Category 3		155283 Sacramento	No	98	0	2/19/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824270	Certified	Category 3		157596 Sacramento	No	98	0	3/28/2016	Root intrusion
SS	Easterly CS	555010938	822502	Certified	Category 3	396 Elsinore	Solano	No	97	0	2/29/2016	Root Intrusion
SR	Redding City CS	555010801	823277	Certified	Category 3	710 Oleta Dr.	Shasta	No	96	0	3/23/2016	Root Intrusion

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause	
SS	Sacramento Area Sewer District CS	555010912	824223	Certified	Category 3		156793	Sacramento	No	94	0	3/15/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	824188	Certified	Category 3		156145	Sacramento	No	89	0	3/2/2016	Root Intrusion
SS	City Of Antioch CS	555010890	821866	Certified	Category 3	618 W 7th Street Antioch, Ca		Contra Costa	No	80	0	2/5/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	555010912	823429	Certified	Category 3		154856	Sacramento	No	80	0	2/11/2016	Root Intrusion
SS	Davis CS	555010921	822190	Certified	Category 3	1607 Tamarack lane		Yolo	No	75	0	2/20/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	823492	Certified	Category 3		155824	Sacramento	No	73	0	2/27/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	824220	Certified	Category 3		156776	Sacramento	No	70	0	3/14/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	823453	Certified	Category 3		155100	Sacramento	No	63	0	2/16/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	824259	Certified	Category 3		157508	Sacramento	No	60	0	3/24/2016	Root Intrusion
SS	Lincoln CS	555010987	821846	Certified	Category 3	75 Mc Bean Park Drive		Placer	No	50	0	2/6/2016	Grease Deposition (FOG)
SS	City of Stockton MUD CS	555011433	821855	Certified	Category 3	323 E. Church St.		San Joaquin	No	50	0	2/8/2016	Debris-General
SS	Hangtown Creek CS	555010965	822025	Certified	Category 3	Pacific St and Roosevelt St Intersection		El Dorado	No	50	0	2/15/2016	Debris-Rags
SR	Gridley CS	555010820	822291	Certified	Category 3	north of 680 lincoln st. on spruce st. at alley		Butte	No	50	0	2/25/2016	Debris-Rags
SF	El Portal CS	555010735	823308	Certified	Category 3	El Portal, Rancheria Flat Area, 9725 Barium Mind Road. Manhole # RF702		Mariposa	No	50	0	3/23/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	824249	Certified	Category 3		157343	Sacramento	No	40	0	3/23/2016	Root Intrusion
SS	City of Stockton MUD CS	555011433	821705	Certified	Category 3	2450 Finland Ave.		San Joaquin	No	35	0	2/2/2016	Debris-General
SS	Angels Camp CS	555010865	821823	Certified	Category 3	906 Tuolumne Ave. Angels Camp 95222		Calaveras	No	35	0	2/5/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	823494	Certified	Category 3		155834	Sacramento	No	32	0	2/26/2016	Debris-Rags
SS	Grass Valley City CS	555010958	822548	Certified	Category 3	131 Richardson St		Nevada	No	30	0	3/1/2016	Debris-General
SS	Dry Creek CS	555010935	822330	Certified	Category 3	900 Main St		Placer	No	28	0	2/8/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	823501	Certified	Category 3		155905	Sacramento	No	28	0	2/29/2016	Debris-General
SS	City of Stockton MUD CS	555011433	823101	Certified	Category 3	630 N. Sierra Nevada St.		San Joaquin	No	26	0	3/18/2016	Debris-General
SS	City of Stockton MUD CS	555011433	821695	Certified	Category 3	1325 N. Monroe St.		San Joaquin	No	25	0	2/1/2016	Debris-General
SS	Dry Creek CS	555010935	822332	Certified	Category 3	1428 Gregory Wy		Placer	No	25	0	2/9/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	823432	Certified	Category 3		154892	Sacramento	No	25	0	2/10/2016	Root Intrusion
SS	Deer Creek CS	555010923	822680	Certified	Category 3	DC-2016-02-02		El Dorado	No	25	0	2/12/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	823434	Certified	Category 3		154910	Sacramento	No	25	0	2/12/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	823449	Certified	Category 3		155042	Sacramento	No	25	0	2/14/2016	Root Intrusion
SS	SMD No. 1 CS	555011028	823036	Certified	Category 3	Smart and Final, Map Book AD3-14		Placer	No	25	0	3/14/2016	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	555010912	824267	Certified	Category 3		157568	Sacramento	No	25	0	3/26/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	824258	Certified	Category 3		157482	Sacramento	No	24	0	3/24/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	555010912	823394	Certified	Category 3		154390	Sacramento	No	23	0	2/4/2016	Root Intrusion
SS	City of Sacramento Utilities CS	555010901	822021	Certified	Category 3	781 WOODLAKE DR, SACRAMENTO, CA		Sacramento	No	22	0	2/14/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	824252	Certified	Category 3		157384	Sacramento	No	22	0	3/23/2016	Root Intrusion
SF	City Of Bakersfield CS	555010717	822554	Certified	Category 3	H St		Kern	No	20	0	3/1/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	555010912	824189	Certified	Category 3		156133	Sacramento	No	20	0	3/2/2016	Debris-General
SS	West Sacramento CS	555011082	823290	Certified	Category 3	1215 Merklej Ave		Yolo	No	20	0	3/22/2016	Grease Deposition (FOG)
SS	Dry Creek CS	555010935	823160	Certified	Category 3	1265 Pleasant Grove		Placer	No	19	0	3/8/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	823420	Certified	Category 3		154600	Sacramento	No	17	0	2/8/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	823479	Certified	Category 3		155562	Sacramento	No	17	0	2/24/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	824248	Certified	Category 3		157339	Sacramento	No	17	0	3/23/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	823403	Certified	Category 3		154449	Sacramento	No	16	0	2/5/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	824235	Certified	Category 3		157060	Sacramento	No	16	0	3/18/2016	Root Intrusion
SS	El Dorado Hills CS	555010941	822683	Certified	Category 3	FDH-2016-02-02		El Dorado	No	15	0	2/14/2016	Root Intrusion
SS	Davis CS	555010921	822544	Certified	Category 3	555 14th st davis		Yolo	No	15	0	3/1/2016	Root Intrusion
SF	City Of Bakersfield CS	555010717	823205	Certified	Category 3	Ming Ave & New Stine Rd, Apartment Parking Lot		Kern	No	15	0	3/14/2016	Other (specify below)
SS	Sacramento Area Sewer District CS	555010912	824254	Certified	Category 3		157405	Sacramento	No	15	0	3/23/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	823392	Certified	Category 3		154350	Sacramento	No	14	0	2/3/2016	Debris-General
SS	City Of Antioch CS	555010890	821750	Certified	Category 3	4058 Folsom Dr		Contra Costa	No	13	0	2/4/2016	Debris from Lateral
SS	City of Stockton MUD CS	555011433	822278	Certified	Category 3	2625 Burgundy Ct.		San Joaquin	No	13	0	2/25/2016	Grease Deposition (FOG)
SS	City Of Folsom CS	555010893	821959	Certified	Category 3	622 Rebecca Way		Sacramento	No	12	0	2/8/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	823503	Certified	Category 3		155986	Sacramento	No	12	0	2/25/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	824201	Certified	Category 3		156302	Sacramento	No	12	0	3/4/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	824265	Certified	Category 3		157561	Sacramento	No	12	0	3/26/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	823385	Certified	Category 3		154223	Sacramento	No	11	0	2/2/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	823452	Certified	Category 3		155099	Sacramento	No	11	0	2/17/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	823481	Certified	Category 3		155581	Sacramento	No	11	0	2/24/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	824212	Certified	Category 3		156556	Sacramento	No	11	0	3/10/2016	Debris-General
SS	City of Stockton MUD CS	555011433	822840	Certified	Category 3	1821 N. Hunter St.		San Joaquin	No	11	0	3/10/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	824221	Certified	Category 3		156779	Sacramento	No	11	0	3/15/2016	Root Intrusion
SS	City of Stockton MUD CS	555011433	823171	Certified	Category 3	2618 E. Scotts Ave.		San Joaquin	No	11	0	3/21/2016	Debris-General
SS	Davis CS	555010921	821667	Certified	Category 3	1842 Rremoir		Yolo	No	10	0	2/1/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	823389	Certified	Category 3		154299	Sacramento	No	10	0	2/3/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	823399	Certified	Category 3		154425	Sacramento	No	10	0	2/4/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	823404	Certified	Category 3		154451	Sacramento	No	10	0	2/4/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	823415	Certified	Category 3		154524	Sacramento	No	10	0	2/7/2016	Root Intrusion
SS	Davis CS	555010921	822041	Certified	Category 3	225 Grande Avenue		Yolo	No	10	0	2/12/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	823447	Certified	Category 3		154955	Sacramento	No	10	0	2/12/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	823437	Certified	Category 3		154927	Sacramento	No	10	0	2/13/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	823446	Certified	Category 3		154953	Sacramento	No	10	0	2/13/2016	Root Intrusion

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause	
SS	Sacramento Area Sewer District CS	SSSO10912	823444	Certified	Category 3		154948	Sacramento	No	10	0	2/14/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	823487	Certified	Category 3		155688	Sacramento	No	10	0	2/24/2016	Root Intrusion
SF	City Of Bakersfield CS	SSSO10717	822510	Certified	Category 3	3401 N Sillect Ave		Kern	No	10	0	2/26/2016	Other (specify below)
SS	Sacramento Area Sewer District CS	SSSO10912	823500	Certified	Category 3		155901	Sacramento	No	10	0	2/29/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823505	Certified	Category 3		156072	Sacramento	No	10	0	2/29/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824187	Certified	Category 3		156127	Sacramento	No	10	0	3/2/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	824205	Certified	Category 3		156466	Sacramento	No	10	0	3/9/2016	Root intrusion
SS	City of Sacramento Utilities CS	SSSO10901	822914	Certified	Category 3	732 SANTA YNEZ WAY, SACRAMENTO, CA		Sacramento	No	10	0	3/9/2016	Root Intrusion
SF	City Of Bakersfield CS	SSSO10717	823210	Certified	Category 3	801 Deseret Way		Kern	No	10	0	3/13/2016	Grease Deposition (FOG)
SF	City Of Bakersfield CS	SSSO10717	823203	Certified	Category 3	Infantry Way		Kern	No	10	0	3/17/2016	Other (specify below)
SS	Sacramento Area Sewer District CS	SSSO10912	824243	Certified	Category 3		157189	Sacramento	No	10	0	3/21/2016	Root intrusion
SF	Kern Sanitation Authority CS	SSSO10737	823271	Certified	Category 3	2312 Nelson		Kern	No	10	0	3/23/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824261	Certified	Category 3		157523	Sacramento	No	10	0	3/25/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824195	Certified	Category 3		156247	Sacramento	No	9	0	3/4/2016	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	SSSO10912	824234	Certified	Category 3		157035	Sacramento	No	9	0	3/18/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824271	Certified	Category 3		157623	Sacramento	No	9	0	3/28/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823383	Certified	Category 3		154070	Sacramento	No	8	0	2/1/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	823410	Certified	Category 3		154512	Sacramento	No	8	0	2/6/2016	Root intrusion
SS	City of Stockton MUD CS	SSSO11433	822081	Certified	Category 3	1687 Ida Ave Stockton Ca.		San Joaquin	No	8	0	2/16/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	SSSO10912	823451	Certified	Category 3		155096	Sacramento	No	8	0	2/17/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823464	Certified	Category 3		155315	Sacramento	No	8	0	2/18/2016	Root intrusion
SS	Yuba City CS	SSSO11100	822592	Certified	Category 3	19 Garden Hwy		Sutter	No	8	0	2/28/2016	Debris-Rags
SS	Sacramento Area Sewer District CS	SSSO10912	824210	Certified	Category 3		156534	Sacramento	No	8	0	3/9/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824272	Certified	Category 3		157656	Sacramento	No	8	0	3/28/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823414	Certified	Category 3		154523	Sacramento	No	7	0	2/7/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823442	Certified	Category 3		154939	Sacramento	No	7	0	2/14/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823455	Certified	Category 3		155150	Sacramento	No	7	0	2/18/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823462	Certified	Category 3		155290	Sacramento	No	7	0	2/19/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823477	Certified	Category 3		155535	Sacramento	No	7	0	2/21/2016	Grease deposition (FOG)
SS	City of Stockton MUD CS	SSSO11433	822222	Certified	Category 3	1735 School St.		San Joaquin	No	7	0	2/23/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823484	Certified	Category 3		155642	Sacramento	No	7	0	2/24/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	823488	Certified	Category 3		155711	Sacramento	No	7	0	2/24/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823495	Certified	Category 3		155838	Sacramento	No	7	0	2/27/2016	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	SSSO10912	823502	Certified	Category 3		155915	Sacramento	No	7	0	2/29/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823504	Certified	Category 3		156040	Sacramento	No	7	0	2/29/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824215	Certified	Category 3		156606	Sacramento	No	7	0	3/10/2016	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	SSSO10912	824227	Certified	Category 3		156845	Sacramento	No	7	0	3/15/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824242	Certified	Category 3		157157	Sacramento	No	7	0	3/21/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824274	Certified	Category 3		157783	Sacramento	No	7	0	3/30/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824278	Certified	Category 3		157818	Sacramento	No	7	0	3/31/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824282	Certified	Category 3		157824	Sacramento	No	7	0	3/31/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823382	Certified	Category 3		154069	Sacramento	No	6	0	2/1/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823386	Certified	Category 3		154231	Sacramento	No	6	0	2/2/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823405	Certified	Category 3		154454	Sacramento	No	6	0	2/5/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823407	Certified	Category 3		154509	Sacramento	No	6	0	2/6/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823473	Certified	Category 3		153665	Sacramento	No	6	0	2/22/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823485	Certified	Category 3		155644	Sacramento	No	6	0	2/24/2016	Root intrusion
SS	City of Stockton MUD CS	SSSO11433	822663	Certified	Category 3	517 E. Anderson St.		San Joaquin	No	6	0	3/4/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824217	Certified	Category 3		156676	Sacramento	No	6	0	3/13/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824244	Certified	Category 3		157209	Sacramento	No	6	0	3/21/2016	Debris-General
SS	City of Stockton MUD CS	SSSO11433	823214	Certified	Category 3	607 W. Vine St.		San Joaquin	No	6	0	3/21/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824245	Certified	Category 3		157263	Sacramento	No	6	0	3/22/2016	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	SSSO10912	824276	Certified	Category 3		157812	Sacramento	No	6	0	3/31/2016	Root intrusion
SF	City of Fresno CS	SSSO11202	822202	Certified	Category 3	3227 E. Orleans		Fresno	No	5	0	2/2/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	823397	Certified	Category 3		154423	Sacramento	No	5	0	2/4/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823402	Certified	Category 3		154432	Sacramento	No	5	0	2/4/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823417	Certified	Category 3		154532	Sacramento	No	5	0	2/7/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823424	Certified	Category 3		154704	Sacramento	No	5	0	2/9/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	823426	Certified	Category 3		154748	Sacramento	No	5	0	2/10/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823436	Certified	Category 3		154923	Sacramento	No	5	0	2/13/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823440	Certified	Category 3		154936	Sacramento	No	5	0	2/14/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823448	Certified	Category 3		154959	Sacramento	No	5	0	2/15/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823450	Certified	Category 3		155079	Sacramento	No	5	0	2/17/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823466	Certified	Category 3		155320	Sacramento	No	5	0	2/19/2016	Debris-General
SS	City of Stockton MUD CS	SSSO11433	822144	Certified	Category 3	1205 E. Seventh St.		San Joaquin	No	5	0	2/19/2016	Root Intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823467	Certified	Category 3		155327	Sacramento	No	5	0	2/20/2016	Root intrusion
SS	City of Stockton MUD CS	SSSO11433	822192	Certified	Category 3	8904 Fox Creek Dr. Stockton Ca.		San Joaquin	No	5	0	2/20/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	SSSO10912	823472	Certified	Category 3		155346	Sacramento	No	5	0	2/21/2016	Pipe Structural Problem/Failure - Installation
SS	Sacramento Area Sewer District CS	SSSO10912	823475	Certified	Category 3		155467	Sacramento	No	5	0	2/22/2016	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	SSSO10912	823480	Certified	Category 3		155576	Sacramento	No	5	0	2/24/2016	Root intrusion

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause	
SS	Sacramento Area Sewer District CS	SSSO10912	823499	Certified	Category 3		155894	Sacramento	No	5	0	2/29/2016	Debris-General
SS	City of Sacramento Combined CS	SSSO10901-C	822606	Certified	Category 3	2716 BROADWAY, SACRAMENTO, CA		Sacramento	No	5	0	3/1/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	SSSO10912	824192	Certified	Category 3		156180	Sacramento	No	5	0	3/3/2016	Root intrusion
SS	Modesto CS	SSSO11001	824472	Certified	Category 3	521 Rosewood Ave		Stanislaus	No	5	0	3/6/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	824209	Certified	Category 3		156516	Sacramento	No	5	0	3/9/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824219	Certified	Category 3		156739	Sacramento	No	5	0	3/14/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824225	Certified	Category 3		156822	Sacramento	No	5	0	3/15/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824231	Certified	Category 3		156972	Sacramento	No	5	0	3/17/2016	Operator error
SS	Sacramento Area Sewer District CS	SSSO10912	824240	Certified	Category 3		157120	Sacramento	No	5	0	3/20/2016	Root intrusion
SS	Dry Creek CS	SSSO10935	823936	Certified	Category 3	7216 Pineschl		Placer	No	5	0	3/21/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824247	Certified	Category 3		157322	Sacramento	No	5	0	3/22/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824263	Certified	Category 3		157533	Sacramento	No	5	0	3/25/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824269	Certified	Category 3		157572	Sacramento	No	5	0	3/27/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823390	Certified	Category 3		154346	Sacramento	No	4	0	2/3/2016	Vandalism
SS	Sacramento Area Sewer District CS	SSSO10912	823396	Certified	Category 3		154410	Sacramento	No	4	0	2/4/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823398	Certified	Category 3		154424	Sacramento	No	4	0	2/4/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823413	Certified	Category 3		154522	Sacramento	No	4	0	2/7/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823418	Certified	Category 3		154553	Sacramento	No	4	0	2/8/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823419	Certified	Category 3		154584	Sacramento	No	4	0	2/8/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823457	Certified	Category 3		155169	Sacramento	No	4	0	2/16/2016	Root intrusion
SS	City of Sacramento Utilities CS	SSSO10901	822113	Certified	Category 3	906 CALHOUN CT, SACRAMENTO, CA		Sacramento	No	4	0	2/18/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	SSSO10912	823458	Certified	Category 3		155233	Sacramento	No	4	0	2/19/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823486	Certified	Category 3		155649	Sacramento	No	4	0	2/24/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823489	Certified	Category 3		155767	Sacramento	No	4	0	2/26/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823490	Certified	Category 3		155767	Sacramento	No	4	0	2/26/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823496	Certified	Category 3		155846	Sacramento	No	4	0	2/28/2016	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	SSSO10912	823497	Certified	Category 3		155874	Sacramento	No	4	0	2/29/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824185	Certified	Category 3		155999	Sacramento	No	4	0	3/1/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824193	Certified	Category 3		156217	Sacramento	No	4	0	3/3/2016	Root intrusion
SS	City of Stockton MUD CS	SSSO11433	822736	Certified	Category 3	2845 Buckner Ct Stockton Ca		San Joaquin	No	4	0	3/3/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	SSSO10912	824213	Certified	Category 3		156565	Sacramento	No	4	0	3/7/2016	Operator error
SS	Sacramento Area Sewer District CS	SSSO10912	824208	Certified	Category 3		156507	Sacramento	No	4	0	3/9/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824216	Certified	Category 3		156631	Sacramento	No	4	0	3/11/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824222	Certified	Category 3		156788	Sacramento	No	4	0	3/15/2016	Root intrusion
SS	City of Stockton MUD CS	SSSO11433	823033	Certified	Category 3	247 W. Poplar St.		San Joaquin	No	4	0	3/16/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	824256	Certified	Category 3		157442	Sacramento	No	4	0	3/21/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824250	Certified	Category 3		157357	Sacramento	No	4	0	3/23/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824257	Certified	Category 3		157473	Sacramento	No	4	0	3/24/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	824275	Certified	Category 3		157805	Sacramento	No	4	0	3/30/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824279	Certified	Category 3		157820	Sacramento	No	4	0	3/31/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	824281	Certified	Category 3		157822	Sacramento	No	4	0	3/31/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823387	Certified	Category 3		154290	Sacramento	No	3	0	2/2/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823388	Certified	Category 3		154298	Sacramento	No	3	0	2/3/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823391	Certified	Category 3		154348	Sacramento	No	3	0	2/3/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823395	Certified	Category 3		154399	Sacramento	No	3	0	2/4/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823406	Certified	Category 3		154508	Sacramento	No	3	0	2/6/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823423	Certified	Category 3		154616	Sacramento	No	3	0	2/8/2016	Root intrusion
SS	City of Stockton MUD CS	SSSO11433	821897	Certified	Category 3	1211 Buena Vista Ave.		San Joaquin	No	3	0	2/9/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823443	Certified	Category 3		154942	Sacramento	No	3	0	2/14/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	823454	Certified	Category 3		155124	Sacramento	No	3	0	2/15/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823456	Certified	Category 3		155156	Sacramento	No	3	0	2/18/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823468	Certified	Category 3		155328	Sacramento	No	3	0	2/20/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823470	Certified	Category 3		155339	Sacramento	No	3	0	2/21/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	823476	Certified	Category 3		155498	Sacramento	No	3	0	2/23/2016	Other (specify)
SS	Sacramento Area Sewer District CS	SSSO10912	823551	Certified	Category 3		155843	Sacramento	No	3	0	2/27/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824186	Certified	Category 3		156088	Sacramento	No	3	0	3/2/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824196	Certified	Category 3		156251	Sacramento	No	3	0	3/4/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824197	Certified	Category 3		156271	Sacramento	No	3	0	3/4/2016	Debris-General
SS	Dry Creek CS	SSSO10935	822789	Certified	Category 3	319 Coronado		Placer	No	3	0	3/8/2016	Non-Dispersibles
SS	Sacramento Area Sewer District CS	SSSO10912	824206	Certified	Category 3		156476	Sacramento	No	3	0	3/9/2016	Debris-General
SS	Sacramento Area Sewer District CS	SSSO10912	824218	Certified	Category 3		156696	Sacramento	No	3	0	3/13/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824224	Certified	Category 3		156795	Sacramento	No	3	0	3/15/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824226	Certified	Category 3		156840	Sacramento	No	3	0	3/15/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824228	Certified	Category 3		156846	Sacramento	No	3	0	3/15/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824230	Certified	Category 3		156908	Sacramento	No	3	0	3/16/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824232	Certified	Category 3		156982	Sacramento	No	3	0	3/16/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824233	Certified	Category 3		157002	Sacramento	No	3	0	3/17/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824236	Certified	Category 3		157071	Sacramento	No	3	0	3/18/2016	Root intrusion
SS	Sacramento Area Sewer District CS	SSSO10912	824237	Certified	Category 3		157072	Sacramento	No	3	0	3/18/2016	Root intrusion
SS	City Of Antioch CS	SSSO10890	823093	Certified	Category 3	1007 W 2nd Street Antioch Ca		Contra Costa	No	3	0	3/19/2016	Pipe Structural Problem/Failure

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
SS	Sacramento Area Sewer District CS	555010912	824246	Certified	Category 3	157274	Sacramento	No	3	0	3/21/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824253	Certified	Category 3	157398	Sacramento	No	3	0	3/23/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824260	Certified	Category 3	157510	Sacramento	No	3	0	3/24/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	824280	Certified	Category 3	157821	Sacramento	No	3	0	3/31/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	823384	Certified	Category 3	154142	Sacramento	No	2	0	2/1/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	823393	Certified	Category 3	154385	Sacramento	No	2	0	2/4/2016	Operator error
SS	Sacramento Area Sewer District CS	555010912	823400	Certified	Category 3	154426	Sacramento	No	2	0	2/4/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	823408	Certified	Category 3	154510	Sacramento	No	2	0	2/6/2016	Root intrusion
SS	Davis CS	555010921	821858	Certified	Category 3	653 SUNSET COURT	Yolo	No	2	0	2/8/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	823421	Certified	Category 3	154611	Sacramento	No	2	0	2/8/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	823431	Certified	Category 3	154888	Sacramento	No	2	0	2/11/2016	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	555010912	823435	Certified	Category 3	154915	Sacramento	No	2	0	2/12/2016	Root intrusion
SS	City Of Lakeport CS	555010896	822059	Certified	Category 3	540 First St	Lake	No	2	0	2/17/2016	Debris from Lateral
SS	Sacramento Area Sewer District CS	555010912	823459	Certified	Category 3	155263	Sacramento	No	2	0	2/19/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	823461	Certified	Category 3	155289	Sacramento	No	2	0	2/19/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	823465	Certified	Category 3	155316	Sacramento	No	2	0	2/20/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	823482	Certified	Category 3	155582	Sacramento	No	2	0	2/24/2016	Root intrusion
SS	City Of Lakeport CS	555010896	822619	Certified	Category 3	540 First St	Lake	No	2	0	3/3/2016	Debris-Rags
SS	Sacramento Area Sewer District CS	555010912	824198	Certified	Category 3	156274	Sacramento	No	2	0	3/4/2016	Root intrusion
SS	City of Stockton MUD CS	555011433	822649	Certified	Category 3	1433 E. Park St.	San Joaquin	No	2	0	3/4/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	555010912	824200	Certified	Category 3	156300	Sacramento	No	2	0	3/5/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824202	Certified	Category 3	156390	Sacramento	No	2	0	3/7/2016	Vandalism
SS	Sacramento Area Sewer District CS	555010912	824203	Certified	Category 3	156417	Sacramento	No	2	0	3/8/2016	Operator error
SS	Sacramento Area Sewer District CS	555010912	824207	Certified	Category 3	156480	Sacramento	No	2	0	3/9/2016	Debris-General
SS	City Of Antioch CS	555010890	822974	Certified	Category 3	2105 Silverado Dr	Contra Costa	No	2	0	3/14/2016	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	555010912	824239	Certified	Category 3	157114	Sacramento	No	2	0	3/18/2016	Root intrusion
SS	City of Sacramento Utilities CS	555010901	823102	Certified	Category 3	4428 EUCLID AVE., SACRAMENTO, CA	Sacramento	No	2	0	3/18/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824241	Certified	Category 3	157121	Sacramento	No	2	0	3/20/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824266	Certified	Category 3	157565	Sacramento	No	2	0	3/22/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824251	Certified	Category 3	157362	Sacramento	No	2	0	3/23/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824268	Certified	Category 3	157571	Sacramento	No	2	0	3/27/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824273	Certified	Category 3	157771	Sacramento	No	2	0	3/30/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	823401	Certified	Category 3	154427	Sacramento	No	1	0	2/4/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	823409	Certified	Category 3	154511	Sacramento	No	1	0	2/6/2016	Root intrusion
SS	Dry Creek CS	555010935	822520	Certified	Category 3	603 Rigby Ct.	Placer	No	1	0	2/9/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	823427	Certified	Category 3	154775	Sacramento	No	1	0	2/9/2016	Operator error
SS	Sacramento Area Sewer District CS	555010912	823428	Certified	Category 3	154804	Sacramento	No	1	0	2/10/2016	Operator error
SS	Sacramento Area Sewer District CS	555010912	823430	Certified	Category 3	154886	Sacramento	No	1	0	2/10/2016	Operator error
SS	Sacramento Area Sewer District CS	555010912	823433	Certified	Category 3	154897	Sacramento	No	1	0	2/10/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	823438	Certified	Category 3	154932	Sacramento	No	1	0	2/13/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	823439	Certified	Category 3	154933	Sacramento	No	1	0	2/13/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	823441	Certified	Category 3	154938	Sacramento	No	1	0	2/14/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	823445	Certified	Category 3	154949	Sacramento	No	1	0	2/15/2016	Root intrusion
SS	Ironhouse Sanitary District CS	555010970	823280	Certified	Category 3	A Childs Place	Contra Costa	No	1	0	2/18/2016	Other (specify below)
SS	City of Stockton MUD CS	555011433	822191	Certified	Category 3	2232 Fullerton Ave., Stockton Ca.	San Joaquin	No	1	0	2/21/2016	Debris-General
SS	Sacramento Area Sewer District CS	555010912	823478	Certified	Category 3	155540	Sacramento	No	1	0	2/23/2016	Operator error
SS	Sacramento Area Sewer District CS	555010912	823483	Certified	Category 3	155589	Sacramento	No	1	0	2/23/2016	Operator error
SS	Sacramento Area Sewer District CS	555010912	823498	Certified	Category 3	155882	Sacramento	No	1	0	2/29/2016	Operator error
SS	Sacramento Area Sewer District CS	555010912	824191	Certified	Category 3	156166	Sacramento	No	1	0	3/3/2016	Operator error
SS	Sacramento Area Sewer District CS	555010912	824199	Certified	Category 3	156296	Sacramento	No	1	0	3/5/2016	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	824229	Certified	Category 3	156865	Sacramento	No	1	0	3/16/2016	Operator error
SS	Sacramento Area Sewer District CS	555010912	824255	Certified	Category 3	157417	Sacramento	No	1	0	3/23/2016	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	555010912	824262	Certified	Category 3	157531	Sacramento	No	1	0	3/24/2016	Operator error
SS	Sacramento Area Sewer District CS	555010912	824277	Certified	Category 3	157814	Sacramento	No	1	0	3/30/2016	Root intrusion