

California Regional Water Quality Control Board  
Central Valley Region  
Patrick Pulupa, Executive Officer



EXECUTIVE OFFICER'S REPORT  
August 2, 2018

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## SUCCESS STORIES

### 1. EXCELLENCE IN SITE REUSE

The U.S. Environmental Protection Agency (EPA) announced that the former McClellan Air Force Base (aka. McClellan Park) has been awarded one of the first annual “National Federal Facility Excellence in Site Reuse” awards. The award recognizes the hard work, innovative thinking, and cooperation among federal agencies, states, tribes, local partners, and developers to encourage clean up and restoration of federal sites for beneficial reuses. Cleaning up contaminated sites at federal facilities like McClellan can serve as a catalyst for economic growth and community revitalization. Central Valley Water Board staff that have played a key role in earning this honor include Alex MacDonald, Mark Clardy, James Taylor and Walter Floyd.

### 2. SITE CLEANUP – SUCCESSFULLY CLOSED – NO FURTHER ACTION REQUIRED

**Former Bulk Storage Plant, 445 and 455 North J Street, Tulare, Tulare County.** The site is a former petroleum bulk storage plant (Richfield Oil Company) and former ARCO gasoline station. Former Atchison Topeka & Santa Fe (ATSF) railroad tracks transected the site and a former Union Pacific Railroad (UPRR) right-of-way existed along the boundary of the site. Various environmental investigations and remedial actions of petroleum impacts were conducted. During remedial excavation, elevated concentrations of arsenic were observed in soil and additional remedial activities were conducted to determine the extent. Areas over the cleanup goal of 12 mg/kg were excavated. A hand-held X-ray fluorescence analyzer (XFR) was used to confirm that excavation was complete. In addition to field screening methods, confirmation samples were collected for laboratory analysis. Confirmation sample results were below the cleanup goal of 12 mg/kg. An estimated that a total of 1,064 cubic yards of soil was removed from the site. No public comments were received and a closure letter was issued on 28 February 2018.

### 3. UNDERGROUND STORAGE TANKS – SUCCESSFULLY CLOSED – NO FURTHER ACTION REQUIRED

Following are sites where Board staff concluded that residual hydrocarbons do not pose a threat to human health and safety or anticipated future beneficial uses of water. This decision is generally based on site- specific information provided by the responsible party, and assumes that the information provided was accurate and representative of site conditions. Most of these cases have been evaluated in accordance with criteria in the State Water Board’s Low-Threat Underground Storage Tank (UST) Case Closure Policy (*Low-Threat Closure Policy*). Upon completion of corrective action, California Code of Regulations, title 23, section 2728(d)(2) 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

- **Chief Enterprises, 210 North Mirage Avenue, Lindsay, Tulare County**

A release from the UST system was discovered in 1999 when two 6,000-gallon and two 4,000-gallon gasoline USTs, one 250-gallon waste oil UST, and dispensers and piping were removed from the site. The local agency issued an unauthorized release report and numerous site assessment activities were conducted between 1999 and 2013. An estimated mass of 7,720 pounds (1,271 gallons) of gasoline

constituents was removed by soil vapor extraction and air sparging remediation from October 2003 through May 2013.

Regulatory oversight of the case was transferred from the local agency to the Central Valley Water Board during June 2016. The State Water Board's Underground Storage Tank Cleanup Fund staff determined that closure was appropriate by a 30 December 2016 UST Case Closure Review Summary Report. The State Water Board concluded that the groundwater contaminant plume was stable and diminishing and should continue to attenuate naturally to below Water Quality Objectives and that there should be no threat to human health or the environment. The case was closed on 20 April 2018, in accordance with criteria contained in the *Low-Threat Closure Policy*.

- **Curti & Sons, Inc., 3235 Avenue 199, Waukena, Tulare County**

An unauthorized release from the UST system was discovered in 1998 during removal of one 8,000-gallon UST and one 12,000-gallon gasoline UST, fuel dispensers, and associated piping. A soil vapor extraction system removed an estimated 24,494 pounds (4,033) gallons of gasoline constituents from 2007 until 2011. Regulatory oversight was transferred from the local agency to the Central Valley Water Board in June 2016. Additional assessment was conducted during 2017, including confirmation soil and soil gas sampling, and additional groundwater monitoring. The groundwater contaminant plume was stable and decreasing and should continue to attenuate naturally to below Water Quality Objectives. There should be no threat to human health or the environment. Criteria contained in the *Low-Threat Closure Policy* were used as closure requirements. The case was closed on 23 May 2018.

b) **REDDING OFFICE**

- **Morton's Texaco, 2350 North Street, Anderson, Shasta County, Case No. 450299**

The Site is a former gas station that dispensed gasoline from four 6,000-gallon underground storage tanks (USTs) for several decades until the USTs were removed in 1999. Soil and groundwater investigation and remedial activities were conducted between 1999 and 2017. Central Valley Water Board staff estimate that 39 pounds of petroleum were removed by soil excavation and natural attenuation processes. Threats to a potential sensitive receptor were eliminated by connecting a nearby residence to a public water supply and properly decommissioning of the domestic well. Natural attenuation has been effective in reducing groundwater concentrations to below those required by the *Low-Threat Closure Policy*. The Site meets the criteria of the *Low-Threat Closure Policy* and staff closed the case on 25 June 2018.

c) **SACRAMENTO OFFICE**

- **Sundance Subdivision Units 2 and 3, 1633 West Woodward Avenue, Manteca, San Joaquin County**

The Site was historically occupied by the Dutra family dairy, and is currently an active construction site for a new residential subdivision. The Site previously contained one UST which was used to store gasoline, and two ASTs which stored an unspecified fuel. The Dutra family removed the UST in the 1980's, and emptied and abandoned the ASTs in 2004. In March 2007, the Dutra's contractor advanced five borings in the vicinity of the UST and ASTs, and detected gasoline-range petroleum hydrocarbons (TPHg; up to 710 milligrams per kilogram [mg/kg]) in two soil samples that they collected from 10 feet below ground surface (bgs) within the former UST footprint. In May 2018, a contractor for the development company excavated approximately 580 cubic yards of petroleum-impacted soil from the former UST/AST area, and extracted 67,200 gallons of groundwater from the excavation. The contractor collected seven confirmation soil samples from the excavation and detected 3.5 mg/kg diesel-range petroleum hydrocarbons (TPHd) in one sample. No other petroleum hydrocarbon constituents were detected in confirmation soil samples. Central Valley Water Board staff concluded that the residual subsurface petroleum hydrocarbon mass did not pose a threat to human health and the environment, and closed the case on 30 May 2018.

- **Former E-Z Serve #100969, 1822 North Beale Road, Marysville, Yuba County**

E-Z Serve's consultants conducted soil vapor surveys, soil and groundwater investigations from 1988 through 2016, and quarterly or semi-annual groundwater sampling and monitoring from 1992 through 2015 that demonstrated gasoline hydrocarbons were present in soil and groundwater beneath the Site, and a short distance off-Site. From 2011 through 2014, E-Z serve conducted periodic high vacuum dual phase extraction events, removing approximately 5,100 pounds of gasoline hydrocarbons. Site conditions currently meet the general and media specific criteria of the *Low-Threat Closure Policy* for case closure, as residual petroleum hydrocarbons are attenuating under natural conditions. The Board issued a case closure letter on 9 May 2018. (DFS).

- **Quick N' Stop, 5871 Feather River Boulevard, Marysville, Yuba County**

From June through August 1999, Mr. Gill, the responsible party, replaced the underground storage tank (UST) system and excavated 600 cubic yards of gasoline impacted soil. From 2005 through 2008, Mr. Gill operated a soil vapor and groundwater extraction system and removed approximately 4,000 pounds of hydrocarbons. Site conditions currently meet the general and media specific criteria of the *Low-Threat Closure Policy* for case closure. The Board issued a case closure letter on 12 March 2018. (DFS).

## STAFF RECOGNITION

### SUPERIOR ACCOMPLISHMENT AWARDS

At the May 31, 2018 Board meeting, Executive Officer, Pamela Creedon presented superior Accomplishment awards to the following staff:

**Employee:** Monique Gaido  
**Section:** Non-15 Unit  
**Title:** Engineering Geologist (Redding Office)  
**Supervisor:** George Low

Monique is an Engineering Geologist currently working in the Redding Non-15/Waste Discharge Requirements Unit, and is being recognized for her outstanding work performance. Monique joined the Central Valley Water Board in July 2015, and over the past two and a half years has proven to be a valuable asset to the Central Valley Water Board. Monique manages approximately 66 facilities under both individual and general orders. Her duties within the unit cover both permitting and compliance/enforcement activities. Additionally, Monique is also the county representative for Shasta and Modoc Counties. As such she is responsible for reviewing and responding to CEQA documents and complaints associated with activities within those counties.

In the past year, Monique completed a permit renewal, 5 individual permit rescissions, 5 enrollments into the Small Domestic Wastewater General Order, 4 13267 Orders, 4 Notices of Violation, 4 Reports of Waste Discharge reviews, .45 CEQA document reviews and comments, responded to 13 complaints, and conducted 35 permitting, compliance, and complaint inspections throughout the year. In addition to this work Monique also made significant progress in working to covert two surface water discharge facilities to land discharges.

Monique is a positive, punctual, consistent, well organized, and detailed oriented individual. Her knowledge, experience, attention to detail, excellent communication skills, and positive attitude are an asset to the Central Valley Water Board. She has earned the respect of both colleagues and dischargers, and her contributions to the unit and to the Central Valley Water Board are greatly appreciated.

**Employee:** Kari Holmes  
**Section:** Compliance and Enforcement Section  
**Title:** Sr. Water Resources Control Engineer (Sacramento Office)  
**Supervisor:** Andrew Altevogt

Kari Holmes is a Senior Water Resources Control Engineer in the Compliance and Enforcement Section in the Rancho Cordova Office. Kari has managed compliance and enforcement efforts for NPDES facilities out of the Rancho Cordova Office for several years. In this work, Kari and her staff are responsible for working with dischargers on permit compliance and issuing Administrative Civil Liability Complaints for both Mandatory Minimum Penalties and discretionary penalties.

During 2017 Kari also took over responsibility for overseeing industrial and construction storm water compliance and enforcement. This effort increased Kari's workload substantially and she has come up with a number of ideas on how to streamline the workload in her unit. Kari is also a resource for staff and seniors in Rancho Cordova and throughout the Region who have questions on NPDES compliance issues. For all of this and more, Kari is very deserving of this Sustained Superior Accomplishment Award

**Employee:** Jeff Pyle  
**Section:** Non-15 Unit  
**Title:** Engineering Geologist (Fresno Office)  
**Supervisor:** Scott Hatton

Jeff has been an Engineering Geologist in the Fresno office for 12 years and has been a valuable asset to the Non-15 Waste Discharge Requirements (WDRs) Unit. Jeff has been working diligently to accomplish the goals of the WDR Program; specifically, adoption of individual WDRs, enrolling dischargers under existing General Orders or Waivers, and pre-permitting site inspections.

Jeff's recent work consisted of drafting two sets of WDRs for this Board meeting. His work included pre-permit inspections, reviewing the Report of Waste Discharges submitted by each Discharger, identified and resolved issues associated with each discharge, and drafted WDRs for management and public review. Jeff's hard work and commitment were valuable at completing the WDRs on schedule.

Jeff also spent time reviewing a work plan submitted by a Discharger for the construction of a new evaporation pond and making sure everything was submitted as required by the WDRs.

Jeff also assisted the National Pollutant Discharge Elimination System (NPDES) Unit in the Fresno office with reviewing and providing comment on technical reports for the closure of a wastewater treatment facility's former site, specifically the drying bed location. Jeff was able to use his knowledge and experience from other similar projects to complete this task. This accomplishment was valuable to the NPDES Unit, because he was able to provide resources that allowed the NPDES Unit to continue working on other permitting issues.

It is obvious by the work described today that Jeff is able to get tasks completed from beginning to end and check them off his "to do" list. Jeff continually finds time to respond to the public's questions, review files, and have meetings with Dischargers. Jeff is a reliable and professional staff member of our Fresno office and is very deserving of this award.

## **EMPLOYEE OF THE MONTH**

### **SACRAMENTO OFFICE MAY 2018**

**Employee:** Janelle Brown  
**Unit:** Program Support  
**Title:** Associate Governmental Program Analyst  
**Supervisor:** Kelli Garver

Janelle Brown is an Associate Governmental Program Analyst in the Rancho Cordova office and is being recognized for her outstanding work performance in the Program Support Unit. Janelle brings an extensive lab background to the Central Valley Water Board and has proved very helpful in serving as the

Region's lab coordinator, assisting staff with requests for lab testing services, replenishing lab supplies, and researching options for lab services.

In the past several months Janelle has made notable contributions by assisting NPDES program and SWAMP staff in the effort to improve water quality in the American River Parkway. Janelle has provided extensive support on numerous stakeholder meetings to insure all water quality concerns associated with the American River Parkway project are brought to the participating agencies' attention in an organized and efficient manner. She is also instrumental in helping to implement lean six sigma recommendations for the NPDES program. Janelle's creative touch and her ability to organize extensive program information into a PowerPoint presentation format that is well organized, while meeting the needs of the intended audience was most recently recognized during the Central Valley Clean Water Association's recent annual conference.

She is dependable, hardworking, and is always willing to take on extra work to meet the goals of the Region. Janelle is an asset to the Program Support Unit and NPDES section and very deserving of this award.

### **SACRAMENTO OFFICE-JUNE 2018**

**Employee:** Charles Cardenas  
**Unit:** Currently – Confined Animals, Previously - Surface Water Ambient Monitoring Program  
**Title:** Engineering Geologist  
**Supervisor:** Anne Littlejohn

Charles was recently hired as an Engineering Geologist in the Confined Animals Program. However, Charles is being recognized today for his exemplary work during his tenure with the SWAMP program.

Charles's recent work includes the development of innovative automation tools for data management in the SWAMP program. In addition, he accomplished the task of bringing our website and data for the Lower American River monitoring program into compliance with GIS mapping standards – including making the web-based information viewable on a smart phone. The tools and helpful how-to manuals Charles has developed have helped streamline staff data management, and have made water board information more accessible to the public.

Charles is a hard-working and valuable member of the water board team, and is well deserving of this award.

**Employee:** Jordan Hensley  
**Unit:** Surface Water Ambient Monitoring Program  
**Title:** Scientific Aid  
**Supervisor:** Anne Littlejohn

Jordan is a scientific aid with the SWAMP program.

Jordan is being recognized for her work in developing templates and tools for SWAMP data management tasks. This has greatly streamlined the data entry process for SWAMP staff. She also updated external and internal websites to facilitate easier access to key information and documents. Jordan's work promotes transparency and ensures quality information is available to the public, and has helped boost staff efficiency.

Jordan's work is detail-oriented and of the highest quality. She is well deserving of this award.

**Employee:** Malar Perinpanayagam  
**Unit:** Title 27 Permitting  
**Title:** Water Resources Control Engineer  
**Supervisor:** Brad Shelton

Malar joined the Title 27 Permitting Unit in August of 2017 and has been a great addition to the team. Malar is always very thorough with her review of documents, keeps management well informed of her workload and needs, and never shies away from opportunities to expand her skillset.

Recently, Malar prepared revised Waste Discharge Requirements for a landfill located on top of a historic mining complex in El Dorado County. She worked with the discharger and internal staff to address the technically challenging aspects of the site and to develop comprehensive solutions. Malar worked diligently to keep the WDRs on track for the planned Board Meeting and they were ultimately adopted without issue.

Malar continuously juggles many other permitting related tasks including reviewing Design and Construction Quality Assurance reports. Malar's attention to detail has been critical during the review process for these documents. She is always thorough and professional with her communications both internally and externally.

Malar is a reliable and supportive team player who maintains a positive attitude and a desire to learn. She is fair and professional, working with her peers and stakeholders to ensure the protection of water quality. For these reasons and many others, she deserves this recognition.

### **FRESNO OFFICE-MAY 2018**

**Employee:** Sue Yang  
**Unit:** Oil Fields Unit 3  
**Title:** Water Resources Control Engineer  
**Supervisor:** Michael Pfister

Sue has worked in the Central Valley Water Board's Fresno office as an Water Resources Control Engineer for about three years. Sue is currently in one of the Oil Fields Units and is primarily tasked with overseeing activities associated with the implementation of Senate Bill 4 (well stimulation treatment), and activities associated with the closure of ponds that have received produced waste water discharges. Sue also has experience working on tasks associated with the implementation of Underground Injection Control regulations. Previously Sue worked as a civil engineer for a company that provided support services for oil and gas companies.

Tasks recently completed include the following: 1) preparation of comments on the review of groundwater monitoring plan related submittals for the South Belridge Oil field, North/South Belridge Oil field, and Buena Vista Nose area; 2) preparation of comments on the review of six well stimulation applications for South Belridge Oil Field; 3) drafting of comments on the review of sixteen well stimulation applications for the Lost Hills Oil Field; 4) maintaining and regularly updating the unit's Senate Bill 4 tracking spreadsheet for well stimulation application, groundwater monitoring plan, and groundwater monitoring report reviews; 5) scheduling and participating in numerous conference calls with State Water Resources Control Board and Operator representatives; and, 6) mentoring and assisting new staff.

Sue's positive attitude, courteous and professional demeanor, and mentoring and leadership skills serve as a role model. Mr. Sue Yang is well deserving of the Employee of the Month award.

### **FRESNO OFFICE - JUNE 2018**

**Employee:** Christine Hernandez  
**Unit:** Administrative Support Unit  
**Title:** Office Technician (Typing)  
**Supervisor:** Doug Patteson

Christine came to the Fresno Office as an Office Technician a little over a year ago, at a time when several experienced Administrative staff had just retired or were on leave. Therefore, Christine had to learn many of our processes for answering calls, handling incoming and outgoing mail, editing correspondence, and helping prepare items for the Board meeting agenda without anyone working directly beside her. She is a quick learner, and it did not take her long to understand her job duties and begin excelling at them.

When other support staff stayed on extended leave beyond what had been expected, Christine was able keep the office's work flowing, and agenda items processed on time, with almost no oversight or assistance necessary.

Christine has continued to improve her knowledge and skills beyond the minimum required for her job classification. She is able to handle whatever work is given to her with minimal assistance, and gets it done accurately and on time.

Christine has been a valuable asset to the Fresno office and the Water Boards system. She has a great attitude and works cooperatively with staff, dischargers, and the public. As the first contact for many of the stakeholders conducting business with the Board, she represents us professionally and treats every caller or visitor with respect and courtesy.

For the reasons above, Christine is most deserving of the Employee Recognition Award.

### **REDDING OFFICE- MAY 2018**

**Employee:** Brandon Diaz  
**Unit:** Admin Group, Redding Office  
**Title:** Staff Services Analyst  
**Supervisor:** Clint Snyder

Brandon is receiving this award for his outstanding work overseeing the many functions of Redding's Administration Group. Brandon was hired as an SSA in the Redding office in November 2017 and since then has consistently demonstrated a genuine interest in improving every aspect of the Group's core functions. During the last eight months, Brandon has

Brandon has proven to be meticulous in his work; has developed positive, productive relationships with Rancho Cordova administrative staff, State Board IT, procurement, and facilities staffs. He is punctual, professional, and always pleasant.

We truly appreciate all that Brandon brings to the office. For those efforts, we are recognizing Brandon as employee of the month.

### **REDDING OFFICE- JUNE 2018**

**Employee:** Rebecca Tabor  
**Unit:** Irrigated Lands Regulatory Program, Redding Office  
**Title:** Water Resource Control Engineer  
**Supervisor:** Lynn Coster

Rebecca is receiving this award for her outstanding work in the Irrigated Lands Regulatory Program. Rebecca joined the Central Valley Water Board in May 2015 as a Water Resource Control Engineer in the Non-15/Waste Discharge Requirements Unit and has worked in the Irrigated Lands Unit for the past year. In this short time, she has made considerable contributions to the Unit and has fulfilled her role as the liaison to the Sacramento Valley Water Quality Coalition (SVWQC, Coalition), a third-party group that represents growers in the Sacramento River Watershed. Rebecca quickly gained the respect of the delegates of the thirteen subwatersheds that constitute the SVWQC, and provides regular outreach by attending monthly Coalition meetings. Through her interactions, she has formed personal relationships and has proven to be responsive and professional in her work.

Rebecca is responsible for reviewing monitoring plans and numerous reports submitted by the Coalition as a requirement of the program. True to her ambitious nature, Rebecca has quickly become knowledgeable of the program and is always eager to learn more. One of her many strengths lies in her ability to analyze complex data and in her exceptional communication skills. She recently succeeded in the review of the Coalition's annual monitoring plan, that involved a complicated new protocol for evaluating pesticides. This required significant communication between Rebecca and the Coalition, as well as the evaluation of a complex technical report relative to the protocol.

In her position, Rebecca is often required to juggle multiple work items and various demands of her time. She follows through with her many tasks and is conscientious and hard working. Her positive attitude and aptitude to learn are an asset to the program. The Central Valley Water Board is fortunate to have Rebecca as part of its staff and greatly appreciates her contributions.

## ENFORCEMENT

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

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

**Enforcement Table 1 – Region 5 Enforcement Orders (28 April through 30 June 2018)**

Date	Agency	County	Notes
5/29/2018	Madera County Public Works Department	Madera	Water Code section 13267 Order regarding the discharge of secondary-treated and disinfected effluent from the Madera County Maintenance District No. 22A Oakhurst Wastewater Treatment Facility (WWTF) to the Fresno River and noting that the Discharge violated Waste Discharge Requirements Order No. 97-015. The 13267 Letter/Order requires a Time Schedule specifying when further reconnaissance of the WWTF effluent force main would be conducted, and when corrective actions would be implemented.
5/10/2018	Planada Community Service District	Merced	Settlement Agreement and Stipulation for Entry of Administrative Civil Liability (ACL) Order R5-2018-0502 in the amount of \$660,000 to address mandatory minimum penalties (MMPs) through the implementation of a compliance project.
6/21/2018	California Department of Corrections and Rehabilitation	Amador	Water Code section 13260 Order requiring the California Department of Corrections and Rehabilitation to submit a letter indicating how they intend to comply with the Water Code and the federal Clean Water Act by 1 August 2018.
5/14/2018	California Department of Corrections and Rehabilitation	San Joaquin	ACL Complaint R5-2018-0503 was settled in the amount of \$27,000 for MMP effluent violations.

**Enforcement Table 1 (cont.)**

Date	Agency	County	Notes
6/1/2018	Nevada Community Service District No 1	Nevada	Settlement Agreement and Stipulation for Entry of ACL R5-2018-0502 in the amount of \$30,000 for effluent limitation violations that occurred between 1 October 2013 and 30 November 2017. The Order suspends the entire \$30,000 penalty pending completion of a compliance project.
5/31/2018	City of Jackson	Amador	Time Schedule Order (TSO) R5-2018-0037 granting additional time to comply with Order R5-2018-0036.
5/3/2018	Sierra Trading Post #2	Amador	Cleanup and Abatement Order and 13267 Monitoring and Reporting Program issued to address unauthorized release of petroleum hydrocarbons.
5/4/2018	City of Stockton L&M Operable Unit	San Joaquin	Revised Monitoring and Reporting Program Order R5-2012-0805 to address subsurface chemicals associated with the site's former operation as a bulk fuel storage/distribution facility and other commercial uses.
5/24/2018	Allied Washoe	Plumas	Pre-ACL Complaint letter notifying the Discharger of intent to assess an ACL for failure to comply with Cleanup and Abatement Order (CAO) R5-2007-0705.
6/27/2018	Almanor Sports and Spirits	Plumas	Draft CAO issued to address unauthorized release of petroleum hydrocarbons associated with an underground storage tank (UST) system at the subject site.

**2) Enforcement Update** – Enforcement Table 2, included below, summarizes the enforcement actions issued in all the Regions since the last EO Report. From a statewide perspective, Region 5 was responsible for 35% of all the enforcement actions tracked in CIWQS during this period including 65% of all NOV's and 31% of all ACL's.

Region	VER	SEL	NOV	NNC	13267	TSO	CAO	EPL	ACL	Reporting Period Total	Total 2018-19 Fiscal Year
1	0	0	0	0	0	0	1	0	1	2	27
2	0	0	2	0	0	0	0	0	1	3	136
3	0	2	2	33	0	0	0	0	0	37	347
4	2	0	38	37	0	0	0	12	6	95	914
5F	0	0	38	1	1	0	0	0	1	41	228
5R	1	0	6	0	0	0	1	0	1	9	63
5S	0	2	60	4	3	1	1	0	3	74	1,107
<b>RB5 Total</b>	1	2	104	5	4	1	2	0	5	124	1,398
6	8	12	1	11	0	0	0	0	0	32	411
7	0	0	0	0	0	0	0	1	1	2	69
8	12	5	0	16	0	0	0	0	1	34	708
9	0	15	13	0	0	0	0	0	1	29	231
<b>Total</b>	<b>23</b>	<b>36</b>	<b>160</b>	<b>102</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>13</b>	<b>16</b>	<b>358</b>	<b>4,241</b>
<b>Enforcement Actions:</b>											
VER = Verbal Communication						TSO = Time Schedule Order					
SEL = Staff Enforcement Letter						CAO = Cleanup and Abatement Order					
NOV = Notice of Violation						EPL = Expedited Payment Letter					
NNC = Notice of Non-Compliance						ACL = Administrative Civil Liability					
13267 = Water Code Section 13267 Investigative Order											

### Performance Targets

Performance measurement and reporting is an important component of a complete system of performance management needed to demonstrate how well programs or strategies are working and why. Information obtained through better performance measurement and program evaluation provides insight that enables us to understand and replicate successes, and continuously improve programs. To this end, the Water Boards establish annual performance targets for key output measures. In effect, these targets are goals that establish measurable levels of performance to be achieved within a specified time period. The Water Board has a systematic target setting approach for several of its programs. Using this new method, performance targets are based on available resources and uniform cost factors for key workload outputs. This target setting approach is described in the link below and was used to develop the FY 2017-2018 performance targets [http://www.waterboards.ca.gov/about\\_us/docs/resource\\_alignment\\_report.pdf](http://www.waterboards.ca.gov/about_us/docs/resource_alignment_report.pdf).

Below is the Region 5 Performance Measurement Summary for the 2017-18 fiscal year. This report was produced with data through 84% of the current fiscal year.

## Region 5 Performance Measurement Summary from 1 July 2017 through 4 May 2018

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	9	5	56%	n/a	n/a	Three major permits are scheduled for adoption at the 31 May/1 June Board meeting.
Major Individual Facilities Inspected	27	13	48%	n/a	16	Multiple facilities scheduled for inspection during remaining fiscal year; additionally, staffing vacancies resulted in not inspecting facilities that are not currently discharging to surface water and/or the permits are being rescinded.
Minor Individual Permits Issued, Revised, and Renewed	8	5	63%	6	n/a	Target reduced because two individual permits were rescinded; one of the permits was converted to Limited Threat General Order.
Minor Individual Facilities Inspected	6	8	133%	n/a	8	
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	29	24	83%	n/a	n/a	
Municipal Waste, Industrial Waste, and All Other Facilities - Number of Inspections	170	155	107%	n/a	182	
<b>Land Disposal</b>						
Landfills Permits Issued, Revised, and Renewed	11	9	82%	n/a	n/a	
Landfill Inspections	93	77	98%	n/a	91	
All Other Permits Issued, Revised, and Renewed	2	0	0%	1	n/a	One mine permit is scheduled for the June Board Meeting; the target has been amended.
All Other Inspections	26	30	127%	n/a	33	This metric contains both composting and mining facilities. Staff in all three offices have conducted more inspections of those facilities than as anticipated.
<b>NPDES Storm Water</b>						
Stormwater Construction Inspections	385	307	94%	n/a	361	
Stormwater Industrial Inspections	195	167	88%	n/a	171	
Stormwater Municipal Inspections	0	1	N/A	n/a	1	
<b>Other Programs</b>						
Forest Activities Inspections	166	115	71%	n/a	118	Staff vacancies and CALFIRE being diverted to ongoing fires resulted in lower than anticipated inspection totals.
Confined Animal Facility Inspections	325	226	78%	n/a	253	
<b>Clean Up</b>						
New DoD Sites Into Active Remediation	9	4	44%	n/a	n/a	Scheduled to move at least 5 sites at McClellan and other locations to remediation late in FY 17/18.
New SCP Sites Into Active Remediation	80	30	38%	n/a	n/a	Many sites are scheduled to move to remediation late in the year. Due to recent discoveries and disputes some may push into FY 18/19.
Cleanup Program Sites Closed	64	39	61%	n/a	n/a	The DoD is revising their risk-based cleanup approach. This process has delayed Record of Decision (ROD) approval at a number of sites scheduled for closure. Staff are currently working with DoD and EPA to resolve the issue but some of the sites scheduled for closure in FY18/19 may be pushed into FY19/20.
New UST Sites Into Active Remediation	24	25	104%	n/a	n/a	
Underground Storage Tank Sites Closed	70	71	101%	n/a	n/a	
* Actuals: Number of facilities inspected or permits issued.						
** Total #: Number of inspections completed including all reinspections.						

## SANITARY SEWER OVERFLOWS AND COMPLAINTS

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

There were no SSO events in excess of 50,000-gallons in the period of March through May 2018.

For this reporting period, there were **328** total SSO spills: **30** Category 1, **12** Category 2, and **286** Category 3 spills. Relevant data from all of the spills occurring during this reporting period is included as **Attachment A**.

### Additional Information on SSOs

Additional information regarding SSOs—including the current Monitoring and Reporting Program (MRP)—can be found at the State Water Board's webpage at: [http://www.waterboards.ca.gov/water\\_issues/programs/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

### Complaints

Central Valley Regional Board staff are responsible for responding to complaints related to water quality within the Central Valley Region as they are received. Since implementing a new tracking system in December of 2016, Central Valley Water Board staff have logged **316** complaints from phone calls, emails, and from the CalEPA Complaint database (<https://calepacomplaints.secure.force.com/complaints/>). To date, **282 (89%)** complaints have been investigated and closed, or referred to another environmental enforcement agency. Investigations for the remaining **34** complaints remain ongoing.

## DELTA ACTIVITIES

### 1. Delta Mercury Exposure Reduction Program

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

In May, the Delta Conservancy worked with Board staff to hire a program coordinator under a new contract for the program. The Delta Conservancy and Board staff will collaboratively direct the new program coordinator to complete the final 18 months of implementation for MERP. The focus of the last Activity Plan is sustainability for mercury exposure reduction program activities.

In June, MERP staff received a proposal from the Executive Directors of First 5 in Yolo County and San Joaquin County to collaborate outreach and education activities. First 5 is a state-wide program that provides a variety of programs and services for children prenatal through age 5 and their families to optimize early childhood development. Collaboration with First 5 staff to incorporate the MERP fish consumption advisory message into existing First 5 programs for children and their families will be a sustainable opportunity to continue educating the public how to reduce mercury exposure through fish consumption.

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

The Delta RMP Steering Committee (SC) met on 11 May 2018 to approve the fiscal year 2018-19 Budget and Workplan for continued mercury monitoring and two nutrients special studies. The SC also heard an informational presentation on monitoring for Contaminants of Emerging Concern in the Central Valley, and a progress update on the development of pesticides and toxicity monitoring proposals. The SC also considered the Technical Advisory Committee's (TAC) recommendations for external scientific advisors to review upcoming Delta RMP monitoring designs.

Several Pesticide Subcommittee meetings took place in May and June 2018 to develop monitoring design proposals for pesticides and toxicity. The monitoring proposals include a probabilistic rotating Delta sub-region design and a hybrid plan with two fixed monitoring sites in addition to the rotating sub-region design. The TAC met on 12 June 2018 to discuss the final Pesticides monitoring options. The TAC also discussed a Contaminants of Emerging Concern monitoring proposal. At their July 17 meeting, the Steering Committee will select their preferred pesticide/toxicity design and consider adding Contaminants of Emerging Concern monitoring to the FY 2018-19 Budget and Work Plan.

In May and June, the Data Management Subcommittee held a second and third meeting. The goal of this group is to review the draft Delta RMP Data Management Plan and review incoming program data on a quarterly basis to improve quality assurance and quality control. The group also discussed draft revisions to the Delta RMP's Quality Assurance Program Plan. A new section addressing Communication and Corrective Action Protocols for the programs monitoring data will be added for fiscal year 2018-19 monitoring.

## **3. Delta Nutrient Research Plan**

The purposes of the Delta Nutrient Research Plan are to identify and fill information gaps to determine whether numeric nutrient water quality objectives are needed for the Delta. Nutrient-related issues in the Delta include harmful algal blooms and associated toxins and nuisance compounds, low phytoplankton production, invasive aquatic plant growth, and low dissolved oxygen in some waterways. Staff released the draft Delta Nutrient Research Plan in January 2018 for public review and comment. The revised plan is expected to be released in July.

The Stakeholder and Technical Advisory Group (STAG) met in March and May to discuss the draft Plan and potential steps for implementation. The STAG's May meeting was held jointly with the Delta Regional Monitoring Program's Nutrient Subcommittee. Members of both groups participated in discussing management questions to be addressed in the short term and in the next five years. The groups developed an outline for a nutrients Science Action Plan, which will further define the management questions and tasks for filling science gaps and identifying policy and management options.

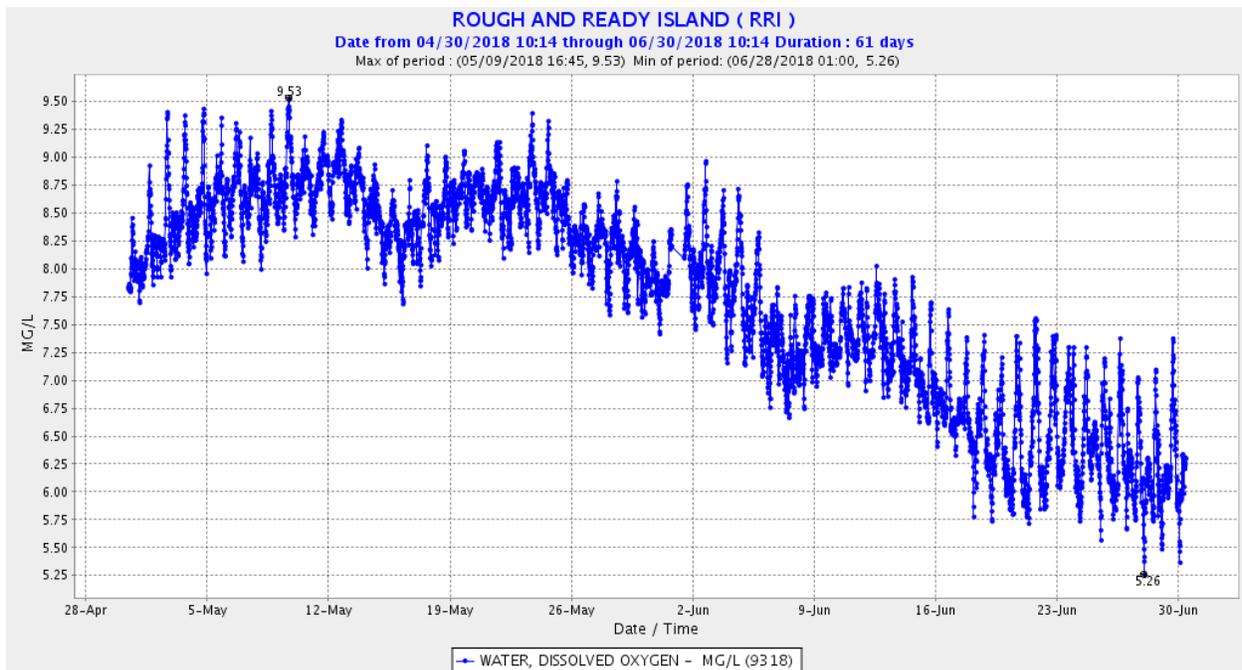
The next STAG meeting will be held July 20 at 9:30 – 11:30 am in the RB5S office.

The draft Delta Nutrient Research Plan, comments on the draft plan, meeting materials, and supporting white papers and knowledge gap reports, are available on the Delta Nutrient Research Plan website: [https://www.waterboards.ca.gov/centralvalley/water\\_issues/delta\\_water\\_quality/delta\\_nutrient\\_research\\_plan/](https://www.waterboards.ca.gov/centralvalley/water_issues/delta_water_quality/delta_nutrient_research_plan/)

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

In 2006-2007, an aeration facility was constructed on the Port of Stockton's West End Complex at Dock 20 as part of the San Joaquin River Dissolved Oxygen TMDL Implementation Program. Since 2011, the Port of Stockton has operated the aeration facility when dissolved oxygen concentrations are expected to fall below the dissolved oxygen water quality objective. From 1 May 2018 to 30 June 2018, there were no excursions below the dissolved oxygen water quality objective of 5 milligrams per liter in the channel and operation of the aeration facility was not necessary. A decreasing trend was observed over this time

period and if DO concentrations continue to fall, aeration may become necessary. Figure 1 shows the dissolved oxygen concentrations measured during 1 May 2018 through 30 June 2018 at the Rough and Ready Island monitoring station.



For more information on the San Joaquin River/DWSC dissolved oxygen TMDL Control Program:

[https://www.waterboards.ca.gov/centralvalley/water\\_issues/tmdl/central\\_valley\\_projects/san\\_joaquin\\_oxygen/index.shtml](https://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/san_joaquin_oxygen/index.shtml)

## TMDL BASIN PLANNING

### 1. Pesticide Basin Planning/TMDLs

#### Central Valley Pyrethroids Basin Plan Amendment and TMDL

On 3 October 2017, the State Water Board released a notice of opportunity to comment on State Water Board's consideration of approval of the Central Valley Pyrethroids TMDL and Control Program, which was adopted by the Central Valley Water Board on 8 June 2017. The State Water Board's comment period ended on 2 November and seven comment letters were received. The State Water Board approved the Basin Plan Amendment on 10 July 2018. The agenda materials for this item, including draft responses to comments received by the State Water Board during the written comment period, were released on 27 June, and are available at:

[https://www.waterboards.ca.gov/board\\_info/agendas/2018/jul/07\\_10\\_18%20agenda\\_links.pdf](https://www.waterboards.ca.gov/board_info/agendas/2018/jul/07_10_18%20agenda_links.pdf)

### 2. Statewide Mercury Control Program for Reservoirs

This quarter, the Statewide Mercury Control Program for Reservoirs project team continued to focus their efforts on developing coordinated pilot tests to reduce mercury methylation and biotic uptake in mercury-impaired reservoirs. In February 2018, the team convened a working group to develop guidance for coordinated pilot tests. With over 60 attendees at this meeting, three subcommittees were formed to better manage and coordinate products: governance, funding, and binning. The Governance Subcommittee will be providing a framework for coordination among reservoir owners and operators; the Financial Subcommittee will work on developing options for funding the program and cost sharing

between the owners and operators participating in coordinated pilot tests; and the Binning Subcommittee will be evaluating ways of identifying and grouping reservoirs for different pilot tests. The Governance Subcommittee met for the first time in May 2018 and anticipates reconvening this Fall. The Financial and Binning Subcommittees are planning to convene by this Fall as well. Periodic updates will be presented to the larger reservoir working group. The Regional Water Board, California Lake Management Society (CALMS), the Delta Tributaries Mercury Council (DTMC), and the Association of California Water Agencies (ACWA) also hosted a half-day mercury seminar in June 2018. The focus of these technical discussions was to provide an overview of statewide fish mercury concentrations and to review ongoing strategies to characterize and control and reduce mercury contamination in California reservoirs.

## **SALINITY AND CV SALTS**

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

The CV-SALTS Central Valley-wide Salt and Nitrate Management Plan (SNMP) was completed and submitted to the Board on 12 January 2017. A resolution acknowledging receipt of the SNMP and directing staff to begin basin plan amendment work to implement the SNMP as appropriate was adopted at a 9 March hearing. Final copies of the SNMP and related policy documents can be found at: <http://www.cvsalinity.org/index.php/docs/central-valley-snpm/final-snpm.html>

The Basin Plan Amendment (Salt and Nitrate Control Program BPA) with supporting Staff Report and Substitute Environmental Documentation was adopted on 31 May 2018 (Resolution R5-2018-0034). The amendments must be approved by the State Water Resources Control Board, Office of Administrative Law and for those portions subject to the Clean Water Act, by the USEPA. The Adoption Resolution with the final Staff Report and Basin Plan Amendment language can be found at the following location: [https://www.waterboards.ca.gov/centralvalley/water\\_issues/salinity/#dsr2018](https://www.waterboards.ca.gov/centralvalley/water_issues/salinity/#dsr2018)

As staff work to bring the amendments to the State Water Board for consideration, focused stakeholder meetings are continuing through the CV-SALTS Public Education and Outreach Committee and work continues to finalize a Clean-up and Abatement Account grant to initiate pilot studies for working with local dischargers and agencies to identify and provide safe drinking water to users with elevated nitrate in groundwater supplies and to frame the workplan for the salinity Prioritization and Optimization Study.

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

On 9 June 2017, the Board adopted the proposed Basin Plan Amendments (BPA) and supporting draft Staff Report to establish salinity WQOs on the Lower San Joaquin River. A State Board hearing was held on 9 January 2018 and the amendments were unanimously approved by the State Board members. The amendment was then approved by the Office of Administrative Law on 19 April 2018. The amendment is currently being reviewed by US EPA and will be in effect after their approval.

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

[http://www.waterboards.ca.gov/centralvalley/water\\_issues/salinity/upstream\\_salt\\_boron/index.shtml](http://www.waterboards.ca.gov/centralvalley/water_issues/salinity/upstream_salt_boron/index.shtml)

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

On 11 August 2017, the Board adopted the proposed Basin Plan Amendment to develop a region-wide MUN evaluation process in Ag dominated surface water bodies. On 10 July 2018, the State Water Board conducted a hearing to consider approval of the Basin Plan Amendment, but deferred action pending further discussions on several of the issues discussed at the hearing.

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)

#### 4. CV-SALTS Meeting Participation

On 24 May, Pamela Creedon, Patrick Pulupa, Jeanne Chilcott, Anne Littlejohn, Walt Plachta and Glenn Meeks participated in the CV-SALTS Executive Committee meeting. Discussions focused on staff response to public comments and the draft presentation for the 31 May hearing.

On 21 June, Walt Plachta participated in the CV-SALTS Public Outreach and Education Committee conference call meeting. The meeting focused on outreach tracking, proposed workshops for public outreach and a presentation template developed by Tess Dunham.

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

An MAA meeting with Central Valley Water Board staff and representatives for USBR, the Westside San Joaquin River Watershed Coalition, and the Grassland Water District was held on 18 June 2018. Nigel Quinn representing USBR provided a summary of Real-Time Salinity Management Program activities including monitoring stations, telemetry, and progress made in outreach to water agencies. Participants also discussed pending RTMP implementation grants and USBR's draft fiscal year 2018/19 Work Plan, which will be released for public comment in July 2018. The next quarterly meeting is scheduled for 17 September 2018.

### NPDES

#### General Orders

The Central Valley Water Board has issued several NPDES general orders to streamline the permitting process for similar-type discharges. Where existing NPDES permittees meet the eligibility requirements of the general orders staff seek to enroll the permittees under the general orders to streamline the permitting process. NPDES Table 1, below, summarizes the notices of applicability that were issued between 1 July 2017 and 30 June 2018.

NPDES Table 1

Facility	General NPDES Permit Number	General Permit Name
Glenn Springs Holdings, Inc. and Miller Springs Remediation Management Inc., Former J.R. Simplot Facility	R5-2016-0076-010	General Waste Discharge Requirements/NPDES Permit for Limited Threat Discharges to Surface Waters (Limited Threat Order)
Recology Hay Road Landfill Dewatering Project	R5-2016-0076-012	Limited Threat Order
Carson Hill Gold Mine Project	R5-2016-0076-014	Limited Threat Order
Sacramento Municipal Utility District (SMUD), Ice House Reservoir Auxiliary Dam Project	R5-2016-0076-013	Limited Threat Order
The Vendo Company, Groundwater Remediation System	R5-2016-0076-021	Limited Threat Order
Contra Costa Communities, LLC; Gilbert Property Construction Dewatering Project	R5-2016-0076-017	Limited Threat Order
Daikin Applied Americas, Inc.; Groundwater Remediation System	R5-2016-0076-020	Limited Threat Order
Gopher Hill Landfill Leachate Disposal, Plumas County	R5-2016-0076-022	Limited Threat Order

Facility	General NPDES Permit Number	General Permit Name
Dutch Slough Tidal Marsh Restoration Project	R5-2016-0076-023	Limited Threat Order
Union Pacific Railroad Company, Dunsmuir Railyard Project, Siskiyou County	R5-2016-0076-030	Limited Threat Order
General Electric Company and Wellmade Products Company, Groundwater Cleanup System	R5-2016-0076-027	Limited Threat Order
Ampine: A Division of Timber Products Company, Ampine Process Water Discharge	R5-2016-0076-018	Limited Threat Order
Nevada Irrigation District, Combie Reservoir Sediment and Mercury Removal Project	R5-2016-0076-019	Limited Threat Order
Lake Alpine Water Company, Potable Water System Maintenance Project	R5-2016-0076-024	Limited Threat Order
Lawrence Livermore National Laboratory, Experimental Test Site 300	R5-2016-0076-025	Limited Threat Order
River Islands Subdivision Phase III Construction Dewatering	R5-2016-0076-004	Limited Threat Order
Phillips 66 Company, Groundwater Treatment System Adjacent to the California Aqueduct, Merced County	R5-2016-0076-037	Limited Threat Order
Sacramento Deep Water Ship Channel Nitrogen Enrichment Study	R5-2016-0076-036	Limited Threat Order
Lehigh Southwest Cement Company, Calaveras Cement Plant Project	R5-2016-0076-032	Limited Threat Order
Kinder Morgan - Fox Road Petroleum Release Site Groundwater Remediation Project	R5-2016-0076-038	Limited Threat Order
CVIN, LLC; Borehole Seep Project	R5-2016-0076-028	Limited Threat Order
CalMat Co. dba Vulcan Materials Company, Sanger Sand and Gravel Plant	R5-2016-0076-043	Limited Threat Order
Pacific Gas and Electric Company, Rock Creek - Cresta Drum Gate Sediment Removal Project	Amended R5-2016-0076-034	Limited Threat Order
Wawona Packing Company, LLC; Wawona Packing Facility	R5-2016-0076-044	Limited Threat Order
City of Atwater Regional Wastewater Treatment Facility, Merced County	R5-2017-0085-001	Municipal Wastewater Dischargers That Meet Objectives/Criteria at the Point of Discharge to Surface Water

## Storm Water

On 9 April, Adam Laputz, Anne Littlejohn, Richard Muhl, Alisha Wenzel, Elizabeth Lee, and Janelle Brown, attended and facilitated the first stakeholder Lower American River Parkway meeting at Sacramento Regional Sanitation District's Office. Approximately 60 federal, state, and local water officials, representatives from homeless advocacy and environmental groups, stakeholders and interested parties attended. The meeting's objective was to identify potential coordination among participants for water

quality improvement in the American River Parkway. The meeting included breakout discussion groups that included topics on homelessness, *E. coli*, and trash.

Since the stakeholder meeting on 9 April 2018, we have formed an American River Parkway task force, held multiple meetings, developed a charter, and Sacramento County has set up a website. We are in the process of restructuring the task force slightly to make it smaller and more efficient. Members will be key Sacramento County and Regional Sanitation District decision makers, Regional Board and State Board staff and key members from the Sacramento storm water group.

We are continuing to monitor for *E. coli* on a weekly basis and provide the results to the Sacramento County Health Department. We are in the process of developing a study with input from the Southern California Coastal Water Research Project to identify the sources of the *E. coli*. Specifically, we plan to identify whether the sources are bird, dog or human. The study will be conducted by a third party and will provide the needed source information to inform next steps to protect water quality in the American River Parkway. While the study is being developed, we are still continuing to work on *E. coli* issues and send out press releases when we detect elevated *E. coli* levels. Additionally, we are continuing to look for ways to help Sacramento County clean up trash in the American River Parkway on a long-term basis. We are working with the State Board and other Regions to identify ways to assist the County with the trash issue.

The American River Parkway Project is a beta test and we hope to apply the lessons learned in the Parkway to other municipalities and areas impacted by trash and *E. coli*.

## **DAIRIES/CONFINED ANIMAL FACILITIES**

Staff has completed approximately 311 dairy inspections for FY 2017/18 as of June 15, 2018. This is nearly on track to meet our performance target, which is 325 inspections for the fiscal year. Staff have been busy reviewing and processing Notices of Intent (NOIs) from poultry operators for coverage under the Poultry General Order and following up on poultry facilities that did not submit an NOI. Staff has also performed more comprehensive reviews than usual of last year's dairy annual reports and experienced delays caused by personnel turnaround (e.g., retirements) and unforeseen formal enforcement cases. Several additional inspections were scheduled for late June to meet or exceed the performance target.

## **OIL FIELDS**

### **1. Waste Water Surface Ponds**

Oil Field staff have received a total of 30 Notices of Intent (NOIs) for coverage under one of three Waste Discharge Requirements General Orders for Oil Field Discharges to Land (General Orders). Staff anticipates that coverage under one of the General Orders will be appropriate for all applications that have been received. Staff has issued 8 Notices of Applicability (NOA) for a total of 30 ponds (3 NOAs for General Order 3 and 5 NOAs for General Order 2). Six additional NOAs are in draft form. Staff is continuing to work with applicants that have not been issued a NOA to obtain coverage under the appropriate General Order or close their facility.

Operators that do not use their pond(s) and do not intend to enroll under one of the General Orders have either submitted a closure plan or are preparing a closure plan for their facility. The Central Valley Water Board has received closure plans for approximately 165 ponds. Staff has approved 8 closure work plans covering 9 ponds. Staff is continuing to review and respond to closure plans to insure the proper closure of these facilities.

Staff continues to inspect facilities to ensure compliance with the Cleanup and Abatement Orders and to verify the condition of the facility that will be closed. Staff continues to review monitoring reports required

by Waste Discharge Requirements and technical reports that request rescission of groundwater monitoring requirements from recently issued Revised Monitoring and Reporting Programs.

## 2. Spill Response

Central Valley Water Board staff responds to oil field spills and upsets reported to the Office of Emergency Services (OES). Board staff were notified of nine events in May and June.

- A spill of crude oil occurred on the Section 29 Lease operated by Aera Energy LLC, in the South Belridge Oil Field on 22 May 2018. Reportedly, a pipeline leak caused the discharge of approximately 27 bbls of crude oil into soil. Reportedly, all discharged oil puddled within the immediate area of the leak and no waterways, drainages, or dry stream beds were affected. Cleanup of the affected areas reportedly will be completed by a contractor and repairs of the failed pipe are pending.
- A spill of crude oil and oil field produced wastewater occurred on the King Ellis Lease operated by Aera Energy LLC (Aera), in the South Belridge Oil Field on 23 May 2018. Reportedly, a pipeline leak caused the discharge of approximately 4 bbls of crude oil and 129 bbls of oil field produced wastewater into a production pad. Reportedly, the discharge has been stopped and cleanup of the affected areas will be completed. It was also reported that no natural drainages or dry stream beds were affected by the discharged fluids. Staff of Aera said that staff of the Kern County Environmental Health and staff of the California Department of Fish and Wildlife (CDFW) are going to inspect the spill site on 23 May 2018.
- A spill of crude oil and oil field produced wastewater occurred on the Ethel D Lease operated by Berry Petroleum, in the Midway-Sunset Oil Field on 17 May 2018. Reportedly, a human error caused the discharge of approximately 9 bbls of crude oil and 40 bbls of oil field produced wastewater into a concrete secondary containment area. Reportedly, no natural drainages or dry stream beds have been affected by the spill and cleanup of the affected areas is complete.
- A spill of oil field produced wastewater occurred on the Ethel D Lease operated by Berry Petroleum, in the Midway-Sunset Oil Field on 30 May 2018. Reportedly, an expansion joint failure at a pump caused the discharge of approximately 1,800 bbls of oil field produced wastewater into a secondary containment. Reportedly, no natural drainages or dry stream beds have been affected by the spill and cleanup of the affected areas will be completed.
- A spill of "filtered" oil field produced wastewater into a dry stream bed occurred on the Section 9 Lease operated by Chevron USA, Inc. (Chevron), in the Midway-Sunset Oil Field on 7 May 2018. Reportedly, a leak in an underground injection pipeline caused the discharge of approximately 3,205 bbls of filtered oil field produced wastewater into a dry stream bed. The discharge had been stopped and a portion of the discharged fluids was percolating. Chevron staff reported that the discharged fluids accumulated in a deep section of the affected stream bed approximately 150 feet by 60 feet. It was reported that no sheen was associated with the discharged fluids and that the discharged fluids will be recovered using vacuum trucks. Staff of the CDFW inspected the affected areas on 7 May 2018 and staff of the California Division of Oil, Gas, and Geothermal Resources (Division) inspected the spill site on 8 May 2018.
- A spill of oil field produced wastewater with a sheen flowed into a dry stream bed on a facility operated by California Resources Corporation near the intersection of Glenville-Woody Road and Round Mountain Road in the Mount Poso Oil Field on 1 May 2018. Reportedly, a pump malfunction caused approximately 100 bbls of oil field produced wastewater to overflow from a wastewater tank onto the ground and a roadway. Reportedly, staff of the CDFW inspected the spill site on 2 May 2018.
- A spill of crude oil and oil field produced wastewater occurred on a facility west of Nord Road operated by Crimson Resources, in the Greely Oil Field on 6 June 2018. Reportedly, a pipeline leak caused the discharge of approximately 0.5 bbl of crude oil and 8 bbls of oil field produced wastewater

into the ground and the first row of a carrot field. Reportedly, the discharge had been stopped and cleanup was mostly complete. Crimson Resource staff said that staff of the Division stated that they will inspect the spill site.

- A spill of crude oil occurred on the Tunbador Lease operated by Sentinel Peak Resources California, in the Midway-Sunset Oil Field on 2 May 2018. Reportedly, overfilling of a storage tank caused the discharge of approximately 160 bbls of crude oil into a secondary containment. Reportedly, the entire discharge was contained within the secondary containment walls and no natural drainages or dry stream beds were affected. It was reported that the discharged oil will be recovered from the containment area.
- A spill of crude oil and oil field produced wastewater occurred on the Star Fee Lease operated by Sentinel Peak Resources California, in the Cymric Oil Field on 10 June 2018. Reportedly, a group line leak caused the discharge of approximately 10 bbls of crude oil and 200 bbls of produced wastewater into soil on a flat production pad surrounded by a berm. Reportedly no natural drainages or dry stream beds were affected by the discharged fluids. It was reported that cleanup of the affected areas was almost complete.

Staff will conduct appropriate follow-up activities and consider appropriate enforcement for the spills.

### **3. UIC Program**

During the period from 2 May 2018 through 27 June 2018, staff of the Underground Injection Control Unit (UIC) met with State Board staff to discuss the Deer Creek Aquifer Exemption application package (Application). Subsequent to these discussions, staff completed their review of the Application and provided a list of questions regarding potential water quality concerns to State Board. Board staff also received and reviewed an amended Midway-Sunset Aquifer Exemption application.

Board staff reviewed and provided comments to draft concurrence letters prepared by State Board staff regarding Water Boards concurrence of six aquifer exemption applications (Edison, South Belridge, Jacalitos/Coalinga, Cymric, McKittrick, and the lower portions [below the Tulare Formation] of Midway Sunset).

Board staff reviewed Aera Energy's (Aera) proposed groundwater monitoring work plan for the Tulare Formation on the eastern flank of the South Belridge Oil Field. Staff meet with State Board and Aera to discuss concerns/deficiencies in the proposed scope of work.

Board staff also completed reviews and issued no objection letters for three UIC projects to the Division and Operators (Midway-Sunset, Poso Creek, and McKittrick Oil Fields). Staff additionally conducted initial reviews and submitted questions to the Division and Operators regarding four UIC projects submitted to the Division for injection into a portion of the Round Mountain, Paloma, Kern Front, and Cymric Oil Fields.

### **4. Senate Bill 4 (SB-4) Program**

Since the last Executive Officer's Report, staff have completed eight SB4 Well Stimulation Treatment (WST) Application package reviews, and submitted written comments to the State Board. One of the Application packages was for the Aera Energy LLC, Lost Hills Oil Field. Four of the Application packages were for the California Resources Elk Hills, LLC Buena Vista Nose Area. One Application package was for the Berry Petroleum, LLC, South Belridge Oil Field. Two Application packages were for the Chevron U.S.A. Inc., Lost Hills Oil Field. Application packages for four WST Application packages are under review.

Board staff completed three groundwater monitoring plan/monitoring well installation related reviews. These plans are associated with planned well stimulations in the Lost Hills Oil Field, and in the Buena Vista Nose area. Written comments were submitted to the State Board. Staff are reviewing groundwater

monitoring plan/monitoring well installation plans for proposed well stimulations at: the Lost Hills Oil Field - Chevron U.S.A. Inc.; the South Belridge Oil Field - Berry Petroleum Company, Inc; Buena Vista Nose area - California Resources Production Corporation.; and, "Rhythm Project area," about one mile northwest of the North Shafter Oil Field – California Resources Production Corporation.

## **5. Food Safety**

In May, Board staff issued 20 Orders pursuant to Water Code sections 13267 and 13267.5. The Orders were issued to suppliers of chemical additives used in oil fields that provide produced water for the irrigation of food crops. Staff are working to compile additive information submitted in response to the Orders. To date, approximately 300 constituents of chemical additives have been reported.

Board staff continues to oversee crop studies as a part of the Food Safety Project. The Board's scientific advisor, Dr. Stringfellow, has submitted reports to the Board which summarize crop sampling studies conducted in 2017. According to the reports, the results of the crop studies thus far do not indicate that consuming crops grown with produced water pose any public health threats. Analytical results of the 2018 citrus sampling were submitted to the Board in June. Those results are being reviewed by Board staff and Dr. Stringfellow. Additional crop sampling events will occur in July and August.

Consultants, GSI Environmental Inc.(GSI), has provided comments on scopes of work (SOWs) to complete research tasks for the Food Safety Project. The tasks include completing a literature review and identifying chemicals of interest from the Board's chemical additive list. The SOWs outline GSI's plan to complete the tasks. The SOWs are being reviewed by Staff and the Board's scientific advisor. It is anticipated that the SOWs will be presented to the Food Safety Expert Panel for discussion during the upcoming meeting in July.

## **IRRIGATED LANDS REGULATORY PROGRAM (ILRP)**

### **Quarterly Stakeholder Meetings**

Central Valley Water Board staff holds quarterly ILRP stakeholder meetings to provide an open forum for communication between staff, agricultural coalitions, environmental justice groups, and other interested parties in Central Valley Region. The July 11<sup>th</sup> meeting focused on the on-farm drinking water well monitoring requirement from the recently adopted State Board Order issued in response to the petition of Eastern San Joaquin WDRs. More information regarding the stakeholder meetings can be found on the Central Valley Water Board ILRP website:

[http://www.waterboards.ca.gov/centralvalley/water\\_issues/irrigated\\_lands/regulatory\\_information/stakeholder\\_advisory\\_workgroup/index.shtml](http://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_lands/regulatory_information/stakeholder_advisory_workgroup/index.shtml)

### **Waste Discharge Requirements (WDRs) Development**

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

On 7 February 2018, the State Water Board adopted precedential order in response to the petitions regarding the General Order R5-2012-0116 for growers within the Eastern San Joaquin River Watershed (SWRCB/OCC Files A-2239(a)-(c)). The State Water Board Order changed the current General Order, adding on-farm drinking water well monitoring for all growers starting in 2019, development of numeric targets for protective nitrogen loading to groundwater, anonymous field-level reporting of management practices to the Central Valley Water Board, changes to reporting requirements, and a number of other items. Some elements are precedential and required to be incorporated in ILRPs statewide within the next 5 years. The State Water Board Order also required the Central Valley Water Board to convene an external public review process for the surface water monitoring framework. Staff is currently working on updating the other ILRP general orders to include the precedential elements and working with State Board staff to find funding for the surface water monitoring external review.

More information regarding the State Water Board Order can be found at the following [web page](http://www.swrcb.ca.gov/public_notices/petitions/water_quality/a2239_sanjoaquin_ag.shtml): [http://www.swrcb.ca.gov/public\\_notices/petitions/water\\_quality/a2239\\_sanjoaquin\\_ag.shtml](http://www.swrcb.ca.gov/public_notices/petitions/water_quality/a2239_sanjoaquin_ag.shtml)

## **ILRP Compliance, Outreach & Enforcement**

### **Agricultural Parcel Inspections**

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

<b>Coalition Area</b>	<b>Parcel Inspections May 2 – Jul 1</b>
Kings River	2
<b>Total</b>	<b>2</b>

### **On-Farm Inspections for General Order Compliance**

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

<b>Coalition Area</b>	<b>On Farm Inspections May 2 – Jul 1</b>
East San Joaquin, San Joaquin Co & Delta, Sacramento Valley, & Western San Joaquin River	16
Kern River	2
Westlands	1
<b>Total</b>	<b>19</b>

### **Water Code section 13260 Directives**

Staff has added an additional step in the outreach process to growers. Staff now sends an outreach letter after parcel inspections and prior to the issuance of directives. These directives are sent to owners of commercial irrigated lands identified through staff inspections of agricultural-zoned parcels who don't respond adequately to outreach letters. The recipients are required to submit a Notice of Intent to obtain either group or individual regulatory coverage within 15 days of receipt of the directive. Coalition areas not shown had no directives mailed during the reporting period.

<b>Coalition Area</b>	<b>Directives Mailed May 2 – Jul 1</b>
East San Joaquin, San Joaquin Co & Delta, Sacramento Valley, & Western San Joaquin River	285
Kings River	2
<b>Total</b>	<b>287</b>

### **Notices of Violation for Failure to Submit Farm Evaluations**

Between 2 May 2018 and 6 July 2018, Notices of Violation (NOVs) were sent to 3 Coalition members within the Tulare Lake Basin Area for their failure to submit Farm Evaluations by the Board-approved

deadline of 1 March 2016. The NOVs urge the members to promptly provide their evaluations to the Coalition or potentially face monetary penalties. Response results for the NOVs are pending.

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

Between 2 May and 1 July 2018, Notices of Violation (NOVs) were sent to 77 coalition members within the Tulare Lake Basin Area for their failure to submit Nitrogen Management Plan summary reports by the Board-approved deadline of 1 March 2016. The NOVs require the members to provide summary reports to their respective coalition or potentially face monetary penalties.

### 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>							
Coalition Group	CA Rice* Comm.	East San Joaquin	Grasslands Drainage Area	Sacramento Valley	San Joaquin Co. & Delta	Western San Joaquin R.	Totals
<b>Participating Growers</b>							
Number of Growers, Pre-Order	2,500	2,225	N/A	7,888	3,256	2,450	18,319
Number of Growers, Participant List (2017)*	2,500	3,382	100	8,149	3,528	2,505	20,164
Number of Growers Enrolling Land Due to Directive/eNOI (May 2, 2018 – July 6, 2018)***		16		11	6		33
<b>Enrolled Acreage</b>							
Number of Acres, Pre-Order	544,468	535,653	N/A	1,183,491	348,200	467,625	3,079,437
Number of Acres, Participant List (2017)*	536,000****	702,081	83,913	1,332,327	516,357	431,452	3,602,131
Number of Acres, Annual Fees (2017-2018)**	436,000****	705,683	83,913	1,332,327	516,357	432,505	3,506,785
Number of Acres added due to Directive/eNOI (May 2, 2018 – July 6, 2018)***		2,004		939	176		3,119

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

\*\* Grower annual fees are submitted yearly by the Coalition Group in Jan-Feb for the fiscal year. Annual Fees only report irrigated acres and do not report participants.  
 \*\*\* Growers and acres calculated by staff on 1 May 2018.  
 \*\*\*\*Per the Order, the CA Rice Commission is not required to submit a participant list and the acreages are updated annually for fees.

**Table 2 of 2. Coalition Enrollment Information Summary for the Tulare Lake and Western Tulare Lake Basins**

Coalition Group	Buena Vista	Cawelo	Kaweah Basin	Kern River	Kings River	Tule Basin	Westside	Westlands	Total
<b>Participating Growers</b>									
Number of Growers, Pre-Order	3,794 (Southern San Joaquin Water Quality Coalition)							1,070	4,864
Number of Growers, Current Participant List (2017)*	42	87	1,272	762	4,658	1,012	42	1,247	9,122
Number of Growers Enrolling Land Due to Directive/eNOI (May 2, 2018 – Jul 1, 2018)***				9	2	1			12
<b>Enrolled Acreage</b>									
Number of Acres, Pre-Order	957,362 (Southern San Joaquin Water Quality Coalition)							507,489	1,464,851
Number of Acres, Current Participant List (2017)*	32,930	33,818	158,842	528,687	785,692	224,264	98,136	487,526	2,349,895
Number of Acres, Previous Annual Fees (2018)**	34,090	33,818	158,842	528,687	761,479	224,596	98,136	487,526	2,327,174
Number of Acres added due to Directive/eNOI (May 2, 2018 – Jul 1, 2018)***				1,128	847	193			2,168

\* Grower participant lists are updated yearly by the Coalition Group on 31 July.  
 \*\* Grower annual fees are submitted yearly by the Coalition Group in Jan-Feb for the fiscal year. Annual Fees only report irrigated acres and do not report participants.  
 \*\*\* Growers and acres calculated by staff on 2 July 2018

## **Sacramento River Watershed Coalition Groups**

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

On 1 May, the Coalition submitted the 2017 Annual Monitoring Report Package which includes the Annual Monitoring Report, Management Plan Progress Report, and Farm Evaluation Summary Report for the 2017 crop year. Staff provided informal comments to the Coalition on 14 June. The Coalition will submit a revised report that addresses staff's comments.

On 18 May, the Coalition submitted its Phase II Groundwater Trend Monitoring Workplan (GQTMP). Staff review of the GQTMP found that several required elements are still needed before it can be considered complete. On 6 July, the Executive Officer sent a review letter with an enclosed staff review memo requiring a final list of wells completed in the Upper Groundwater Zone that the Coalition has permission to sample in Fall 2018. The letter also requires: a revised GQTMP that meets all deficiencies noted in the Staff Review Memo, Geotracker data submittal, and AMR data submittal.

On 1 June, the Coalition submitted the Nitrogen Management Plan Summary Report Analysis for the 2017 Crop Year. The analysis is currently under staff review.

On 14 June, the Executive Officer approved the Coalition's participation in the Delta Regional Monitoring Plan. Coalition participation includes an annual monetary contribution in exchange for water quality monitoring reductions.

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

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

On 1 May staff received the East San Joaquin Water Quality Coalition 2018 Annual Report for the monitoring program from October 2016 through September 2017. The report is currently under staff review.

On 1 May, staff received the 2018 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 29 May, the Executive Officer conditionally approved the Groundwater Quality Trend Monitoring Workplan (GQTMP). The Coalition will start monitoring in Fall 2018, and is required to submit a revised GQTMP in 2019 that addresses all deficiencies noted in the staff review memo enclosed with the Conditional Approval letter.

On 5 June, staff held the 32<sup>nd</sup> Quarterly Meeting with the Coalition representatives to discuss the groundwater protection formulas, values, targets, outliers, and the status of other activities in progress. The Coalition provided an update on the management plan monitoring results and outreach in the subwatersheds.

On 29 June, staff provided a review of the Coalition's 2018 Annual Report. The Coalition complied with all Monitoring and Reporting requirements.

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

On 27 April, the Executive Officer approved the Coalitions April 23 request to update its QAPP. The update revises the subcontracted laboratory and analytical methods for sediment Total Organic Carbon and grain size analyses.

On 1 May, staff received the San Joaquin County and Delta Water Quality Coalition's Annual Monitoring Report for the reporting period 1 October 2016 through 30 September 2017 per its Order. The AMR is under staff review.

On 29 June, the Executive Officer approved the Coalition's 15 March Monitoring Plan Update addendum to include additional sediment toxicity monitoring at one site for data not available in the original Monitoring Plan Update. Staff requested the Coalition to evaluate the risks to water quality at certain Represented sites due to exceedances at certain Core sites. The exceedances occurred from June through September 2017.

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

On 27 April, the Executive Officer approved the Coalition's schedule extension request to complete its determination of parcels required to prepare and implement a Sediment & Erosion Control Plan. Extended deliverables are now due on 8/30/18, 10/31/18, 1/31/19, and 3/30/19.

In May and June 2018, the Coalition submitted revised sections of their Surface Water Quality Management Plan (5<sup>th</sup> revised Comprehensive Plan on 11 May, Pesticides and Aquatic Toxicity on 21 May, and Sediment Toxicity on 7 June). These documents are under staff review.

On 14 May, staff sent the Coalition informal comments on the Completion Request for 45 management plans. The Coalition notified staff that they will be revising and resubmitting their Completion Request based on the comments.

On 25 May, the Executive Officer approved the Monitoring Plan Update (MPU) for March 2018 through February 2019. The Coalition is currently implementing this MPU.

On 13 June, Central Valley Water Board staff sent the review letter and memo for the 2017 Annual Monitoring Report. The AMR demonstrated that the Coalition complied with most Order requirements, and the staff review memo provides details on revisions/changes needed in the next AMR.

On 29 June, board staff completed a review of the Westside San Joaquin River Watershed Coalition's Groundwater Quality Trend Monitoring Work Plan. Well selection and missing well details are needed before the trend monitoring well network can be considered complete. This missing information was required by 15 Aug 2018. Trend Monitoring sampling efforts are anticipated for fall 2018.

On 30 June, the Coalition submitted its Annual Monitoring Report (AMR) for the monitoring period March 2017 through February 2018. It is currently under staff review.

### **Grassland Drainage Area Coalition**

On 29 June, board staff completed a review of the Grassland Drainage Area Coalition's Groundwater Quality Trend Monitoring Work Plan. Well selection and missing well details are needed before the trend monitoring well network can be considered complete. This missing information was required by 15 Aug 2018. Trend Monitoring sampling efforts are anticipated for fall 2018.

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

#### **Buena Vista Coalition**

On 29 June, board staff completed a review of the Buena Vista Coalition's Groundwater Quality Trend Monitoring Work Plan, resulting in a conditional approval of the Work Plan. Trend Monitoring sampling efforts will begin by fall 2018.

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

On 29 June, board staff completed a review of the Cawelo Water District Coalition's Groundwater Quality Trend Monitoring Work Plan, resulting in a conditional approval of the Work Plan. Trend Monitoring sampling efforts will begin by fall 2018.

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

On 29 June, board staff completed a review of the Kaweah Basin Water Quality Association's Groundwater Quality Trend Monitoring Work Plan. Well selection and missing well details are needed before the trend monitoring well network can be considered complete. This missing information was required by 31 July 2018. Trend Monitoring sampling efforts are anticipated for fall 2018.

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

On 29 June, board staff completed a review of the Kern River Watershed Coalition Authority's Groundwater Quality Trend Monitoring Work Plan. Well selection and missing well details are needed before the trend monitoring well network can be considered complete. This missing information was required by 31 July 2018. Trend Monitoring sampling efforts are anticipated for fall 2018.

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

On 29 June, board staff completed a review of the Kings River Water Quality Coalition's Groundwater Quality Trend Monitoring Work Plan. Well selection and missing well details are needed before the trend monitoring well network can be considered complete. This missing information was required by 31 July 2018. Trend Monitoring sampling efforts are anticipated for fall 2018.

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

On 15 June, a Notice of Non-compliance was issued to the Tule Basin Water Quality Coalition for submitting an incomplete ILRP Trend Monitoring Work Plan. Board staff communicated with the Tule Coalition several times before and after the notice was issued. The Tule Coalition proposes to address the missing information by 31 July 2018. Trend Monitoring sampling efforts are anticipated for fall 2018.

#### **Westside Water Quality Coalition**

On 29 June, board staff completed a review of the Westside Water Quality Coalition's Groundwater Quality Trend Monitoring Work Plan. Well selection and missing well details are needed before the trend monitoring well network can be considered complete. This missing information was required by 31 July 2018. Trend Monitoring sampling efforts are anticipated for fall 2018.

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

On 29 June, board staff completed a review of the Westlands Water Quality Coalition's Groundwater Quality Trend Monitoring Work Plan. Well selection and missing well details are needed before the trend monitoring well network can be considered complete. This missing information was required by 31 July 2018. Trend Monitoring sampling efforts are anticipated for fall 2018.

#### **Grower Under the Individual Discharger General Order**

On 11 May 2018, the Executive Officer sent a Notice of Violation (NOV) to Tony & Joye Inzana, Inzana Ranch and Produce, Inc., for failure to submit their Farm Water Quality Plan and Nitrogen Management Plan. The NOV gave the discharger another 15 days to submit the missing reports before enforcement may be pursued. Subsequent communications with Mr. Inzana revealed a problem with delivery of the NOV. Therefore, additional time was needed to submit the reports. The missing reports were received on 2 July and are currently under staff review.

## Other Projects

### **Data Management**

On 1 June, the San Joaquin County and Delta Water Quality Coalition submitted its Quarterly Monitoring Data Report for the period October through December 2017, as required by Order.

On 1 June, the Sacramento Valley Water Quality Coalition submitted its Quarterly Monitoring Data Report for the period October through December 2017, as required by Order.

The Data Management Team has processed Westlands Stormwater Coalition water quality monitoring data for the period October 2013 through December 2016. The DMT compiled data from various locations in hard files and e-files. Consequently, all data sets have been submitted and are in the queue for SWAMP review.

The DMT reviewed, formatted, and submitted the July through December 2017 Grasslands Bypass Project and the October through December Sacramento Valley Coalition's 2017 water quality monitoring data to SWAMP. After SWAMP loads the data, the DMT will conduct a completeness check and request SWAMP to load the data to CEDEN.

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

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

## CANNABIS PROGRAM

### Cannabis General Order Enrollment and Developments

Approximately 718 cannabis cultivators had coverage under General Order No. R5-2015-0113 (Regional General Order) when the Statewide General Order went into effect on January 1, 2018. Staff have received, to date, 34 transfer applications to the new Statewide General order, and have reviewed and approved 32 of those applications. Table 1 provides a summary of the active enrollments to date in the Regional General Order.

Table 1

<b>County</b>	<b>Tier 1 Enrollment</b>	<b>Tier 2 Enrollment</b>	<b>Tier 3 Enrollment</b>	<b>Total Active Enrollments</b>
Calaveras	194	254	58	506
Yolo	23	35	13	71
Lake	33	24	3	60
Nevada	13	1	-	14
Sierra	4	1	-	5
Plumas	2	-	-	2
Mariposa	1	-	-	1
<b>Total</b>	<b>270</b>	<b>315</b>	<b>74</b>	<b>659</b>

Staff have been actively reviewing and processing enrollments under the Statewide General Order, and have begun outreach to ensure Region General Order enrollees transition to the Statewide General Order in a timely manner. Staff have also begun to reach out to enrollees to ensure required reporting is submitted prior to the 90-day post application due date. To date staff have received approximately 208 Statewide General Order applications and have approved and enrolled approximately 133 dischargers under the Statewide General Order. Table 2 provides a summary of the Statewide General Order enrollments in the Central Valley Region to date.

Table 2

<b>County</b>	<b>CE*</b>	<b>Tier 1L</b>	<b>Tier 1M</b>	<b>Tier 1H</b>	<b>Tier 2L</b>	<b>Tier 2M</b>	<b>Tier 2H</b>	<b>Total Active Enrollments</b>
Calaveras	1	4	-	-	1	1	-	7
Lake	2	29	1	-	26	1	-	59
Nevada	1	19	-	-	-	-	-	20
Sacramento	16	-	-	-	-	-	-	16
Shasta	2	-	-	-	-	-	-	2
Siskiyou	1	-	-	-	-	-	-	1
Solano	1	-	-	-	-	-	-	1
Stanislaus	3	3	-	-	-	-	-	6
Yolo	-	3	-	-	18	-	-	21
<b>Total</b>	<b>27</b>	<b>58</b>	<b>1</b>	<b>0</b>	<b>45</b>	<b>2</b>	<b>0</b>	<b>133</b>

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

## **Compliance and Enforcement**

### **Compliance**

On 2 May, staff conducted permit compliance inspections at six enrolled sites in Yolo county alongside county officials and California Department of Fish and Wildlife.

On 21 May, staff conducted three permit compliance inspections at sites in Yolo county.

On 15 May, staff conducted a follow up compliance inspection in Yolo county, to assess possible violations of General Order conditions.

### **Enforcement**

Throughout May, staff participated in five enforcement inspections in Lake county in partnership with the California Department of Fish and Wildlife.

## **NON-POINT SOURCE (NPS) PROGRAM**

### **Clear Lake Nutrient Control Program Update**

A Board workshop is scheduled in Lake County on 18 July 2018 to review staff's upcoming implementation status technical memo and to discuss stakeholder questions and concerns about the implementation status of the control program. Local tribes/organizations will also present on the status of monitoring efforts and projects, such as the Middle Creek Restoration Project. The workshop will consist of an on-site discussion and formal workshop. In addition to the workshop, staff has created education materials to address stakeholder concerns following the August 2017 public outreach meeting that have been posted to the Central Valley Water Board's Clear Lake Nutrient TMDL webpage.

Staff has developed a technical memo with an update on the implementation status for the Clear Lake Nutrient Control Program, which has been sent out on the Clear Lake Nutrients lyrics list and posted on the website.

More information about the Clear Lake Nutrient Control Program (including the workshop notice and tentative agenda) can be found at:

[http://www.waterboards.ca.gov/centralvalley/water\\_issues/tmdl/central\\_valley\\_projects/clear\\_lake\\_nutrients/index.shtml](http://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/clear_lake_nutrients/index.shtml)

## **CYANOBACTERIA BLOOMS UPDATE**

### **Pre-Holiday Assessment**

The Central Valley Water Board, in coordination with the CCHAB Network, developed a pre-4<sup>th</sup> of July HABs assessment to help communicate HAB conditions at some of the State's popular recreational waterbodies. The CCHAB Network compiled the collected information into an [interactive map](#) with data. The map shows targeted sampling locations and recommended advisory levels for approximately 40 waterbodies statewide.

### **Central Valley Bloom Notifications and Response – 2018 Summary**

Since the last update staff have been responding to bloom reports have been reported to the Central Valley Water Board HAB Coordinator. Many of these cases are generated from citizen complaints. Table 1 below provides an overview of all 2018 bloom activity.

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

Count	Month	Report Name (Report ID)	Status	Cyanobacteria ( <i>Genera</i> ) Identified?	Site Previously Reported in 2016/2017 <sup>1</sup> ?	Toxin Detected	Human Illness (reported)	Wildlife Impacts (reported)
1	January	Clear Lake (IDs 1708-1721)	Monitoring program	Pseudanabaena and other filamentous cyanos	Yes	Microcystin	No	No
2	February	Discovery Bay	Carryover from 2017	Not sampled	Yes	Not tested	No	No
3	February	Clear Lake (IDs 1708-1721)	Monitoring program	Pseudanabaena and other filamentous cyanos	Yes	Microcystin	No	No
4	February	Highway 162 and Leesville Rd & Hwy 20	Completed	Not sampled	No	Not tested	No	No
5	February	Copps Quarry	Completed	Not sampled	No	Not tested	No	No
6	March	Clear Lake (IDs 1708-1721)	Monitoring program	Pseudanabaena and other filamentous cyanos	Yes	None	No	No
7	March	Discovery Park, Sac/Amer. River (ID 1722)	Completed	Not sampled	No	Not tested	No	No
8	April	Clear Lake (IDs 1708-1721)	Monitoring program	Dolichospermum sp.	Yes	None	No	No
9	April	Clear Lake Hwy 20 (ID 1724)	Open	Dolichospermum sp.	Yes	Not tested	No	No
10	April	Borax Lake (Lake County)	Completed	Anabaena sp., Phormidium sp., Nodularia sp., Spirulina sp., Oscillatoria or Lyngbya sp.	No	Not tested	No	No
11	April	Lake Berryessa (ID 1725)	Completed	Aphanizomenon sp.	Yes	No	No	No
12	April	North Davis Ditch - City of Davis (ID 1726)	Completed	Phormidium sp., Anabaena sp.	No	No	No	Yes
13	May	San Luis Reservoir Basalt Boat Launch (ID 1738)	Monitoring program	Microcystis sp., Aphanizomenon sp., Dolichospermum sp.	Yes <sup>2</sup>	Microcystin	No	No
14	May	O'Neill Forebay Gianelli Pumping Plant (ID 1739)	Monitoring program	Dolichospermum sp.	Yes <sup>2</sup>	Microcystin	No	No
15	May	O'Neill Forebay Outlet (Check 13) (ID 1740)	Monitoring program	Oscillatoria sp., Aphanizomenon sp.	Yes <sup>2</sup>	Microcystin	No	No

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

Count	Month	Report Name (Report ID)	Status	Cyanobacteria ( <i>Genera</i> ) Identified?	Site Previously Reported in 2016/2017'?	Toxin Detected	Human Illness (reported)	Wildlife Impacts (reported)
16	May	Brentwood Golf Course (ID 1742)	Open	Not sampled	No	Not tested	No	No
17	June	Clear Lake	Open	Dolichospermum sp.	Yes	None	No	No
18	June	North Fork Lake Oroville	Open	Dolichospermum sp. Aphanizomenon sp.	Not the North Fork	Microcystin	No	No
19	June	Pine Flat Lake	Open	Dolichospermum sp.	No	None	No	No
20	June	Victoria Canal	Open	Microcystis sp.	No	Not tested	No	No
21	June	Old River at Clifton Court Intake	Open	Microcystis sp., Aphanizomenon sp.	No	Not tested	No	No
22	June	Old River Confluence of West Canal	Open	Microcystis sp., Aphanizomenon sp.	No	Not tested	No	No
23	June	Grant Line Canal at Old River Confluence	Open	Microcystis sp., Aphanizomenon sp.	Yes	Not tested	No	No
24	June	Old River at Mountain House	Open	Aphanizomenon sp.	Yes	Not tested	No	No
25	June	Old River Downstream of Barrier near Tracy	Open	Aphanizomenon sp.	Yes	Not tested	No	No
26	June	Lake Oroville Middle Fork	Open	Dolichospermum sp. Aphanizomenon sp.	Yes	None	No	No
27	June	Arcade Lake	Closed	N/A	No	Not tested Not tested	No	No
28	June	Middle River near Holt, Turner Cut near Holt	Open	Microcystis sp., Aphanizomenon sp.	No	Not tested	No	No
29	June	Big Break Regional Shoreline	Open	Microcystis sp.	Yes	Microcystin	No	No
30	June	Lake Isabella	Open	Microcystis sp., Dolichospermum sp.	Yes	Microcystin Anatoxin-a	No	No
31	June	Lake Webb	Open	Cylindrospermopsis sp., Microcystis sp., Anabaenopsis sp.	No	None	No	No
32	June	Lake Evans	Open	None observed in sample	No	Anatoxin-a	No	No
33	June	Hensley Lake	Open	Woronichinia sp., Microcystis sp., Lyngbya sp, Dolichospermum sp.	No	Microcystin Anatoxin-a	No	No
34	June	H.V. Eastman Lake	Open	None observed in sample	No	Microcystin	No	No
35	June	Lake Almanor north arm	Open	Aphanizomenon sp., Gloeotrichia sp., Anabaena sp.	No	Not tested	No	No
36	June	Warrior Lake	Open	N/A	No	Not tested	No	No

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

Count	Month	Report Name (Report ID)	Status	Cyanobacteria ( <i>Genera</i> ) Identified?	Site Previously Reported in 2016/2017 <sup>1</sup> ?	Toxin Detected	Human Illness (reported)	Wildlife Impacts (reported)
37	June	Buckley Cove Stockton Sailing Club	Open	Microcystis sp.	Yes	Not tested	No	No

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

<sup>2</sup> These sites are being regularly monitored as part of the State Water Project.

## GRANTS

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

Approximately \$4 million was available for the 2018 solicitation through a grant from the USEPA 319(h) Program. The purpose of the program is to provide funds to restore and protect the beneficial uses of water throughout the State through the control of nonpoint source pollution consistent with completed TMDLs or TMDLs under substantial development. In addition, this solicitation sought Post-Fire Recovery Proposals. The solicitation closed on February 8, 2018. The Central Valley Water Board received three proposals for consideration: San Joaquin Valley Drainage Authority submitting Next phase implementation of the San Joaquin River real time salinity management program, the Sacramento-San Joaquin Delta Conservancy submitting Implementation of BMPs in the Delta: A Comprehensive Pesticide Management Project to Improve Water Quality, and the Lake County Watershed Protection District (Department of Water Resources) submitting Middle Creek Gravel and Sediment Extraction. The Sacramento-San Joaquin Delta Conservancy's Implementation of BMPs in the Delta: A Comprehensive Pesticide Management Project to Improve Water Quality proposal was selected for funding. The Water Board NPS Program is currently working on guidelines for the 2019 solicitation.

For more information, please visit the NPS website:  
[https://www.waterboards.ca.gov/water\\_issues/programs/nps/319grants.shtml](https://www.waterboards.ca.gov/water_issues/programs/nps/319grants.shtml).

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

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

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

### **Timber Regulation and Forest Restoration Fund On-going Grants:**

**Ponderosa Way Road Assessment and Sediment Reduction Plan (Phase 1) (\$300,000)** – The Resource Conservation District of Tehama County will prepare an Action Plan to reduce sedimentation from two miles of Ponderosa Way and another eight miles of roads upslope and/or downslope of Ponderosa Way within the Battle Creek Watershed, implement one project to reduce sediment inputs to Battle Creek and prepare CEQA document for future road fixes. (Closing 4/30/2019)

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

**Battle Creek Watershed Based Plan (\$492,000)** – The Battle Creek Watershed Conservancy will develop a Watershed-Based Plan and implement a sediment reduction demonstration project in the Battle Creek Watershed. (Closing 10/31/2018)

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

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

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

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

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

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

### **GROUNDWATER STRATEGY**

**Action 6.4.1 Develop a Salt and Nitrate Management Plan for the Central Valley.** The initiative is a collaborative stakeholder effort that includes the Central Valley Water Board as a stakeholder. CV-SALTS completed a Salt and Nitrate Management Plan in December 2016. The SNMP was discussed at a 9 March 2016 Board hearing, where the Board adopted a resolution to acknowledge receipt of the SNMP and directed Board staff to develop basin plan amendments to implement appropriate recommendations from the SNMP. Board staff and other CV- SALTS stakeholders are currently developing a proposed Basin Plan Amendment for a Central Valley Salt and Nitrate Control Program based on recommendations from the submitted SNMP and comments received from interested parties. A workshop to discuss the proposed Basin Plan Amendment was held on 19 January in Rancho Cordova. More details on CV-SALTS activities can be found in the Salinity and CV-SALTS section of this EO report.

The amendments were adopted by the Central Valley Water Board during their May 31 Board meeting. The amendments are in the process of being transmitted to the State Water Board, Office of Administrative Law (OAL), and US EPA for consideration. The groundwater portions of the amendments

require State Water Board and OAL approval before they could go into effect. The surface water portions of the amendments require US EPA approval before those portions could go into effect.

Information is also available at: <http://cvsalinity.org/>

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

GMAW meeting information can be found at:

[http://www.waterboards.ca.gov/centralvalley/water\\_issues/groundwater\\_quality/index.shtml](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. Education on Supplemental Environmental Project funding sources that may be available for IRWM plan projects, specifically those that benefit disadvantaged communities, continues with the distribution of a factsheet that is available at:

[http://www.waterboards.ca.gov/centralvalley/water\\_issues/enforcement/sep\\_apr2015\\_fact\\_sheet.pdf](http://www.waterboards.ca.gov/centralvalley/water_issues/enforcement/sep_apr2015_fact_sheet.pdf)

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

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

**Action 6.5.1(b) Develop General Order for Poultry, Cattle, or Other Confined Animal Facilities.** The goal of this action is to protect groundwater from waste associated with the operation of confined animal facilities including poultry raising and egg laying facilities, bovine feedlots (heifer ranches, beef cattle yards, etc.), and other types of confined animal facilities not covered by the Dairy General Order. A General Order for poultry facilities was considered and adopted by the Central Valley Water Board at its December 2016 meeting. A General Order for Confined Bovine Feeding Operations was considered and adopted by the Central Valley Water Board at its June 2017 meeting. Approximately 200 poultry facilities have submitted Notices of Intent to comply with the Poultry General Order. The deadline to submit a Notice of Intent for the Bovine Feedlot Order was July 1, 2018. An update on the response to that deadline will be provided in the next report.

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

[http://www.waterboards.ca.gov/centralvalley/water\\_issues/irrigated\\_lands/index.shtml](http://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_lands/index.shtml)

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

**Action 6.5.3(a) Reduce Site Cleanup backlog.** The goal of this action is to reduce the number of inactive cases (i.e., the case backlog) in the Site Cleanup Program, which originally had 791 backlog cases. During the 2017/2018 fiscal year, 106 open, inactive cases have been reviewed. Of these, 98 were eliminated from the backlog. Of the cases reviewed, 8 need additional staff time and effort on the responsible party's part to resolve. Since the backlog reduction project began, all 791 backlog cases have been initially reviewed with 607 being eliminated from the backlog, and 184 identified as requiring additional resources. Of these remaining 184 Open Inactive Cleanup Program Sites, 45 cases have been assigned to staff who are working on activating the cases.

**Action 6.5.4(c) Develop methods to reduce backlog and increase facilities regulated.** Staff are continuing to enroll dischargers into the state-wide Small Volume Domestic Order and include rescissions of old WDRs into regular Central Valley Water Board meeting agendas. The State Water Board updated the state-wide general order for water recycling in June 2016. Regional Water Board staff has notified the individuals enrolled in the previous, 2014 general order and enrolled them in the new order. The new general order is a useful tool to encourage water recycling.

State Water Board staff has targeted two additional general orders for consideration (a Winery General Order and an Aggregate General Order). Central Valley Water Board staff are involved directly with the development of these general orders, which are expected to reduce the number of backlogged applications and are expected to speed up the processing of applications for WDRs from new or expanding facilities. Board staff are also beginning the process of developing general orders for large domestic wastewater treatment facilities that discharge to land, nut hulling facilities, and canned and frozen food processors. Board staff are committed to working with industry representatives, municipalities, and stakeholders during the development of these general orders.

Staff has been tracking time to monitor effectiveness of its Lean 6 Sigma project implementation measures. A new electronic time tracking spreadsheet has been implemented this fiscal year to better understand where the biggest time sync in the permitting process occurs. This will allow staff to focus attention to improving this part of the process. Improvements through Lean 6 Sigma and drafting new general orders will help reduce the backlog of existing WDRs.

**Action 6.15 Onsite Wastewater Treatment Systems (OWTS) Policy Implementation; Local Agency Management Program (LAMP) Reviews.** The OWTS Policy gives Local Agencies, mostly county environmental health departments, an option to propose Local Agency Management Programs (LAMPs). The goal of these programs is to demonstrate adequacy of local codes and ordinances to meet new minimum standards both for human health and water quality protection. Draft LAMPs were due to Central Valley Water Board staff by 13 May 2016. Staff received 29 of 30 LAMPs by the submittal deadline, and one late submittal from Tulare County. The Redding, Rancho Cordova, and Fresno Offices coordinated reviews in detail, and resolved most issues with local environmental health directors. Prior to public noticing and recommendations to the Central Valley Water Board for consideration, staff requested

directors to gain their Board of Supervisors' approvals, and related new code adoptions. Following this procedure, the Water Board has to date approved 28 LAMPs. One LAMP remains incomplete, from Lake County; staff are working closely with the director, Board of Supervisors, and interested parties on a revised draft. Our Board will consider the LAMP for Sierra County at the August 2018 Board meeting. Staff have also worked with 22 cities that have OWTS within incorporated boundaries. Most will allow County oversight. However, the Cities of Los Banos, Merced County, and Visalia, Tulare County, have opted for Tier 1.

Staff are also responsible for the review of 8 LAMPs that fall primarily under other Regional Board jurisdictions, but that will regulate OWTS within the Central Valley. Staff have reviewed 7 of these LAMPs, and the remaining Local Agency, Siskiyou County, has not submitted a draft LAMP to Region 1 and may opt for Tier 1. Staff regularly update LAMP review progress on the following webpage: [https://www.waterboards.ca.gov/centralvalley/water\\_issues/owts/lamp\\_reviews/](https://www.waterboards.ca.gov/centralvalley/water_issues/owts/lamp_reviews/)

## GENERAL UPDATES TO THE BOARD

### 1. **City of Lemoore, Leprino Foods Company, Westlake Farms Inc., and Sandridge Partners, LP**

The time schedule order (TSO) for the discharge of combined effluent from City of Lemoore's wastewater treatment facility and Leprino Foods Company to land owned by Westlake Farms Inc., and Sandridge Partners, LP was issued on 27 March 2018. Since that time, Regional Board staff have conducted monthly conference calls with representatives from Lemoore, Leprino, Westlake, Sandridge, and the Los Angeles County Sanitation District. The City of Lemoore and Leprino are submitted a Title 22 Engineering Report for the use of domestic wastewater on crops for submittal to Department of Drinking Water and Regional Board staff on 2 July 2018. Staff are currently reviewing the report. Westlake, the Sanitation District, and Reclamation District 761 finalized agreements between them for the movement of wastewater to the land application area.

### 2. **1,2,3-Trichloropropane in Groundwater, Gridley, Butte County**

On 29 and 30 May, the Central Valley Water Board's Redding office distributed a fact sheet regarding the detection of the compound 1,2,3-trichloropropane in the Manzanita Elementary School's drinking water well. The fact sheet was sent to residences and businesses within a one-mile radius. Staff have received calls from approximately 20 recipients requesting further information. As an initial assessment of the extent of 1,2,3-trichloropropane in groundwater, on 26 and 27 June, staff conducted sampling of nearby domestic wells and the school's well. Additional public outreach is expected after receiving and evaluating these sampling results.

### 3. **Constituents of Emerging Concern**

In 2016, Central Valley Water Board staff began working with representatives from the Central Valley Clean Water Association (CVCWA) and Central Valley Municipal Separate Storm Sewer System (MS4) to develop a work plan in response to State Water Board's *Constituents of Emerging Concern (CECs) Statewide Pilot Study Monitoring Plan* (Pilot Study). The Pilot Study is based on the Southern California Coastal Water Research Project's Technical Report 692, *Monitoring Strategies for Chemicals of Emerging Concern (CECs) in California's Aquatic Ecosystem*. CVCWA and the MS4 group have developed the *Central Valley Pilot Study for Monitoring Constituents of Emerging Concern (CECs) Work Plan* (Work Plan) based on feedback from State Water Board and Central Valley Water Board staff.

State Water Board and Central Valley Water Board staff have reviewed the final Work Plan and found it meets the Pilot Study goals. The Work Plan will be presented to the Delta Regional Monitoring Program's (DRMP) Steering Committee for consideration for funding. The DRMP CEC Subcommittee and Central Valley Water Board staff have agreed that FY 18/19 will be used to prepare for implementation, develop a funding plan, and seek external funding sources through Supplemental Environmental Projects, potential Prop 1 grants, and other sources. Funding from the DRMP for FY 18/19 is being sought to complete the

Quality Assurance Project Plan and prepare for implementation of the Work Plan, which is proposed to start in FY 19/20.

## **PUBLIC OUTREACH**

On 13 March, Anthony Toto attended the Fresno Environmental Reporting Network (FERN) task force meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members. Cindy Nelson of the California Public Utilities Commission (CPUC) presented an introduction to the PUC. Questions regarding the City of Mendota were asked and information concerning the switch of source water was provided to FERN (10 May 2016 letter commenting on Tentative WDRs).

On 23 March, Anthony Toto participated in a conference call with the Environmental Justice Round Table.

On 2 April, Anthony Toto participated in a conference call with the Kern Environmental Enforcement Network (KEEN) task force meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members. Anthony provided a brief update of Lamont PUD, plan B status.

On 10 April, Anthony Toto attended the Fresno Environmental Reporting Network (FERN) task force meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members. CALRECYCLE enforcement inspectors attended the meeting to provide contact information to the group.

On 1 May, Anthony Toto participated in a conference call with the Kern Environmental Enforcement Network (KEEN) task force meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

On 4 May, Guy Chetelat participated in the Western Shasta Resource Conservation District (RCD) "Day in the District" event in Redding. The event was held to review RCD projects and gather public and partner agency ideas for new projects for the RCD to consider undertaking. Suggested projects include improved watershed conditions, aquatic habitat, and water quality.

On 8 May, Anthony Toto attended the Fresno Environmental Reporting Network (FERN) task force meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

On May 11, Patrick Pulupa and Robert Ditto attended the Almond Board's 15<sup>th</sup> Annual Environmental Stewardship Tour in Modesto.

On 14 May, Zaira Lopez-Narvaez attended the Madera Integrated Water Management (IRWM) group meeting held in Chowchilla.

On 16 May, Zaira Lopez-Narvaez attended the Toulumne-Stanislaus Integrated Water Management Authority Watershed Advisory Committee (WAC) meeting in Sonora.

On 18 May, Janis Cooke participated in a workshop hosted by the Delta Science Program about "Operation Baseline", a set of studies to assess the current state of nutrients, aquatic vegetation, and the food web in areas affected by upgrades to the Regional San wastewater treatment plant. The project includes development of a detailed conceptual model of nutrient-related processes to help relate science to management questions.

On 16 May, Alex MacDonald presented at the Aerojet Community Advisory Group's bi-monthly meeting. The presentation included field activities at the Aerojet Superfund Site and the Inactive Rancho Cordova Test Site, the investigation of perfluorinated compound in groundwater on Aerojet and at the Former

Mather AFB, upcoming well installations and reports to be submitted. The meeting also focused on the proposed remediation of Area 40, which will be part of the City of Folsom's south of US 50 development project.

On 21 May, Harihar Nepal, Shane Price, Michael Crook, Ryan Cornwall, and Elizabeth Betancourt presented the Water Boards' WQ 2017-0023-DWQ (General Order) and the cannabis permitting process to members of the Yolo Cannabis Collaborative (YCC), in Davis, CA. About 20 YCC members were present, and staff received excellent questions and participated in engaging discussion around the Water Boards' cannabis cultivation regulatory program. Yolo County is a permissive jurisdiction when it comes to cannabis cultivation, but have capped their enrollees at a total of 70 throughout the county. This offers Region 5 staff a unique opportunity to build relationships with these enrollees, and get to know them and their operations in a way that will allow staff to better understand the on-the-ground application of the General Order.

On 23 May, Robert Ditto completed the Nitrogen Management Plan self-certification course and test offered by CURES in Woodland.

On 29 May, Bethany Soto attended the Tule River Basin Integrated Regional Water Management (IRWM) Joint Governing Board and Advisory Committee Meeting. The meeting focused mainly on the update of the group's 2016 IRWM plan. Members discussed the sections updated in the plan and approved the changes for submittal to Department of Water Resources for review and comments. The group continues to seek a board and a tribal representative for the Tulare/Kern Funding Area IRWM Disadvantaged Community Involvement Program (DACIP) Project Advisory Committee (PAC) meetings. In addition, the group's finances were addressed, it was noted the project list requires review and updating, and new projects are being sought after.

On 31 May, Lynn Coster, Jerred Ferguson, and Rebecca Tabor attended a UC Rangelands workshop located at the University Farm at Chico State.

On 4 June, Guy Chetelat attended the North Sacramento Valley Integrated Regional Water Management (IRWM) Board meeting in Willows. Topics included coordination with disadvantaged communities, Sustainable Groundwater Management Act (SGMA) compliance, and groundwater monitoring results.

On 5 June, Anthony Toto participated in a conference call with the Kern Environmental Enforcement Network (KEEN) task force meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

On 5 June, Adam Laputz, Sue McConnell, and Rebecca Tabor attended a meeting in Glenn County with the Management Advisory Committee for the Sacramento Valley Water Quality Coalition. Meeting topics included revisions to the General Order.

On June 6 through 8, Rebecca Tabor attended an Introduction to GIS Training at UC Davis.

On 7 June, Bethany Soto participated in a conference call with the Southern Sierra Regional Management Group meeting. The meeting focused on the status of projects, reviewed material to update chapters of the IRWM plan, and discussed new projects that individuals are interested in implementing for inclusion to the IRWM project list.

On 8 June, Janis Cooke attended a meeting of the San Francisco Bay Nutrient Management Strategy Steering Committee. The Steering Committee approved the FY18/19 Program Plan and budget, which includes on-ship and fixed station monitoring, data analyses, modeling, and algal toxin detections. The Steering Committee heard technical presentations on model development status, advanced statistical tools for detecting trends and relationships between parameters, and the Suisun Marsh dissolved oxygen TMDL.

On 11 June, Zaira Lopez-Narvaez attended the Madera Integrated Water Management (IRWM) group meeting held in Chowchilla.

On 11 June, Rebecca Tabor attended a tour of irrigated agriculture in the Goose Lake Subwatershed. She also attended the Subwatershed's annual meeting in New Pine Creek.

On 12 June, Anthony Toto attended the Fresno Environmental Reporting Network (FERN) task force meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members. Anthony prepared a report from the CIWQS public page regarding active composting sites and sent a copy of the composting general order WQO 2004-0012-DWQ.

On 12 June, Doug Patteson participated in a workshop sponsored by the California Dairy Quality Assurance Program. The workshop was held in Tulare to educate feedlot owners, feedlot operators, and their consultants about the Central Valley Water Board's Bovine Feedlot General Order.

On 13 June, Bethany Soto attended the Westside-San Joaquin IRWM public workshop to discuss updating the groups IRWM plan. Provost & Pritchard Consultants, along with Woodard & Curran Constructors facilitated the workshop. The meeting summarized the IRWM program, identified those who are involved, and the program's history and purpose. The focus was to inform the public of updates to the Westside-San Joaquin IRWM plan, how to participate in the plan update, and solicit for projects for inclusion in the plan.

On 14 June, Charlene Herbst participated in a workshop sponsored by the California Dairy Quality Assurance Program. The workshop was held in Modesto to educate feedlot owners, feedlot operators, and their consultants about the Central Valley Water Board's Bovine Feedlot General Order.

On June 18, Rebecca Tabor attended an Management Advisory Committee meeting for the Sacramento Valley Water Quality Coalition in Red Bluff. Meeting discussions included on-line membership and data management tools, revisions to the General Order, CV-Salts, and State Board ILRP fees.

On 20 June, staff presented to the Tuolumne-Stanislaus Integrated Regional Water Management Authority. The presentation gave a background of the Water Boards' cannabis program, and overview of the permitting process and enforcement processes, and a discussion on the potential water quality impacts and environmental issues associated with cannabis cultivation.

On 20 June, Zaira Lopez-Narvaez attended the Tuolumne-Stanislaus Integrated Water Management Authority Watershed Advisory Committee (WAC) meeting in Sonora.

On 20 June, Alex MacDonald participated in the Public Meeting for a Proposed Remedial Action Plan (RAP) for Area 40, a portion of the Aerojet Superfund Site. The purpose of the meeting was to provide information to the public on the proposed remedy for Area 40 and to encourage comments on the RAP. Area 40 lies east of Prairie City Road and south of US 50. It is within the South of 50 development by the City of Folsom. Within the development, the northern part of Area 40 where the existing contamination is present is slated for be restricted open space and a park. The southern portion is a combination of commercial and residential uses. Aerojet has proposed to remove soils containing volatile organics and perchlorate from the main source area (within the restricted open space) and perchlorate and dioxin contaminated soils in the park area. The primary exposure route of concern is volatile organics migrating into ambient air. The land will not be transferred until cleanup is sufficient for the intended uses. Land Use Covenants will be placed on the property restricting uses and preventing access to groundwater. Groundwater contamination will be cleaned up by construction of a 600-foot long permeable reactive barrier parallel to Prairie City Road that will removed the contaminants as groundwater flows through it. Contamination already downgradient of Prairie City Road will be extracted and treated at Aerojet's existing extraction and treatment system. Approximately 20 members of the public attended the meeting.

A public notice was posted on the Central Valley Water Board web page and notices were mailed out on 19 June to notify parties that we have completed investigation and cleanup activities at a spill that occurred along California State Highway 58 in Arvin, Kern County and intend to issue a no Further Action determination. The notice asked that all public comments or concerns be submitted to the Central Valley Board by 31 July 2018. No comments were received.

A public notice was posted on the Central Valley Water Board web page and notices were mailed out on 28 June to provide notice of consideration of applicability for waste discharge requirements for general order in-situ remediation. The notice asked that all public comments or concerns be submitted to the Central Valley Board by 10 July 2018.

On June 21, Terry Bechtel gave a presentation to the California Association of Pest Control Advisors (CAPCA) in Sacramento on requirements of the Irrigated Lands Regulatory Program.

**PERSONNEL AND ADMINISTRATION STAFFING UPDATE**

**May 1, 2018 through June 30, 2018**

**Promotion:**

Jim Marshall – Supervising WRCE

**Retirements:**

Pamela Creedon – Executive Officer

Dave King – Staff Services Manager I

Betty Yee – Senior WRCE (Specialist)

**Leave of Absence:**

None

**Authorized Positions: 261.7 Vacant Positions: 13.6**

<b>Separations</b>	<b>New Hires</b>
Jorge Baca – Engineering Geologist	Patrick Pulupa – Executive Officer Nathan King – Engineering Geologist Nicole Damin – Environmental Scientist Kim Sellards – Supervising Engineering Geologist Charles Cardenas – Environmental Scientist

**Temporary Help Positions**

<b>Separations</b>	<b>New Hires</b>
Phoebe Zhong – Scientific Aid	Lindsey Xayachack – Scientific Aid

**TRAINING UPDATE**

<b>Class Title</b>	<b>Number of Attendees</b>
Advanced Meeting Facilitation	2
AED/CPR American Heart Association Heart Saver AED Training	24
Basic Forest Practice Training	2
Basic Supervision for State Supervisors Part 1	1
CalEPA Basic Inspector Academy	3
Concept of Bioassessment and SWAMP Field Procedures	1
Cybersecurity Awareness	29
First Aid Field Safety / Wilderness Injuries: Be Prepared	17
Defensive Driving Training - Online	23
Highly Effective Professional Writing	9
Ethics Training for State Officials	3
FEMA Introduction to Incident Command system ICS-100	1
FEMA Introduction to Incident Command system ICS-200	1

FEMA National Incident Management System an Introduction	1
FEMA National Response Framework, An Introduction	1
Managing Conflict	3
Introduction to Arc GIS for the Water Boards	2
Field Safety Training	3
First Aid Field Safety / Wilderness Injuries: Be Prepared	16
Highly Effective Professional Writing	9
Introduction to Arc GIS for the Water Boards	4
Managing Conflict	3
Pretreatment for Regulators in Rancho Cordova	8
Supervisor Training	1

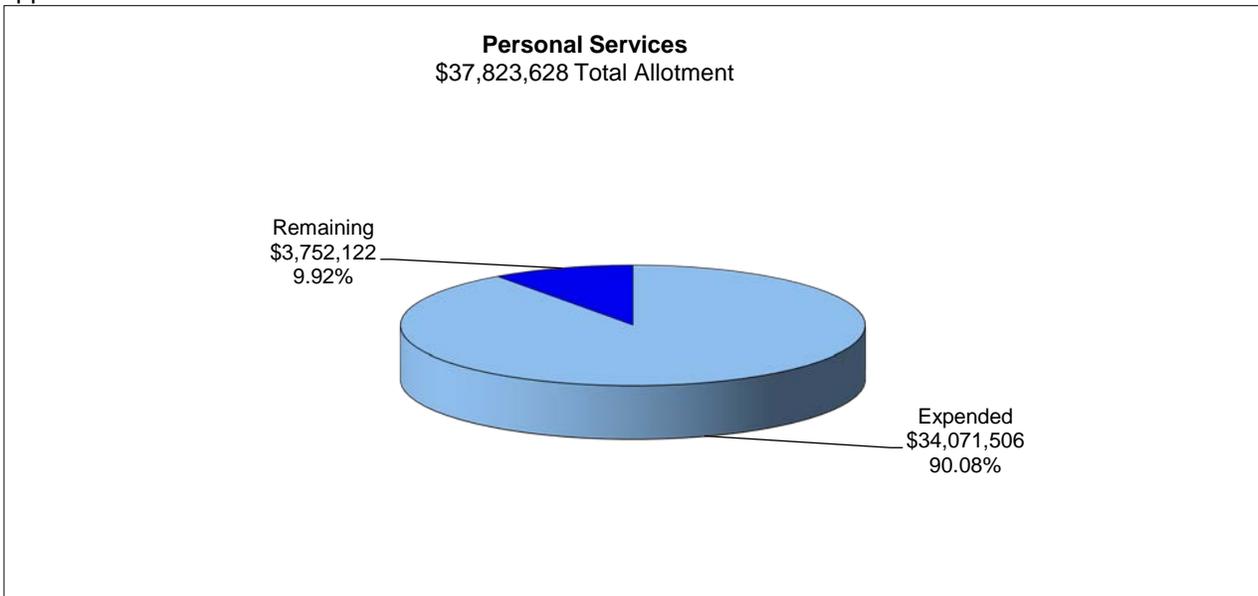
**FISCAL UPDATE**

**Through May 30, 2018**

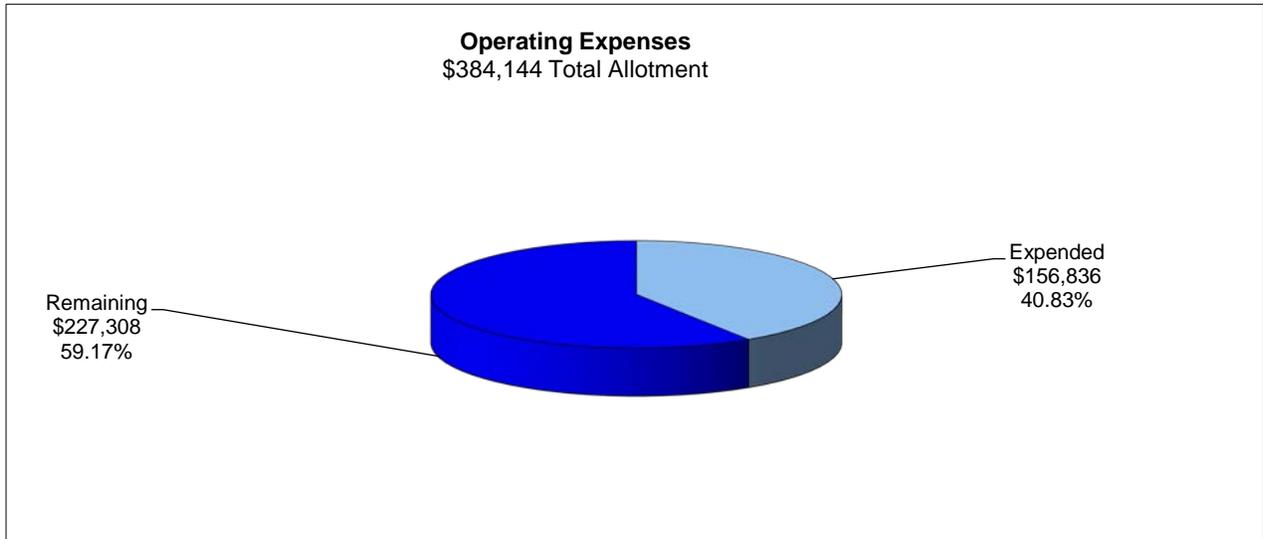
**(Approximately 92% should be expended to-date.)**

Personal Services:

The information below represents the budget for the 2017-18 Fiscal Year. Our Personal Services budget supports 261.7 PYs.

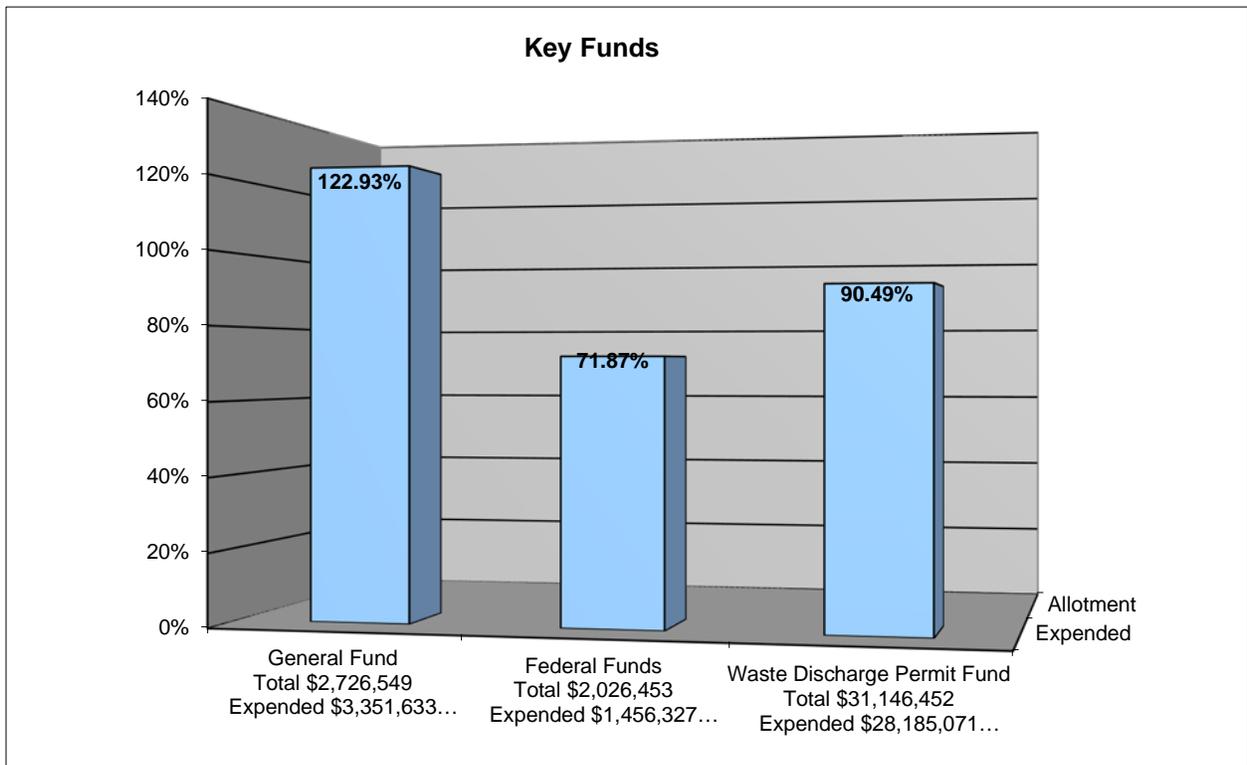


**OPERATING EXPENSES**



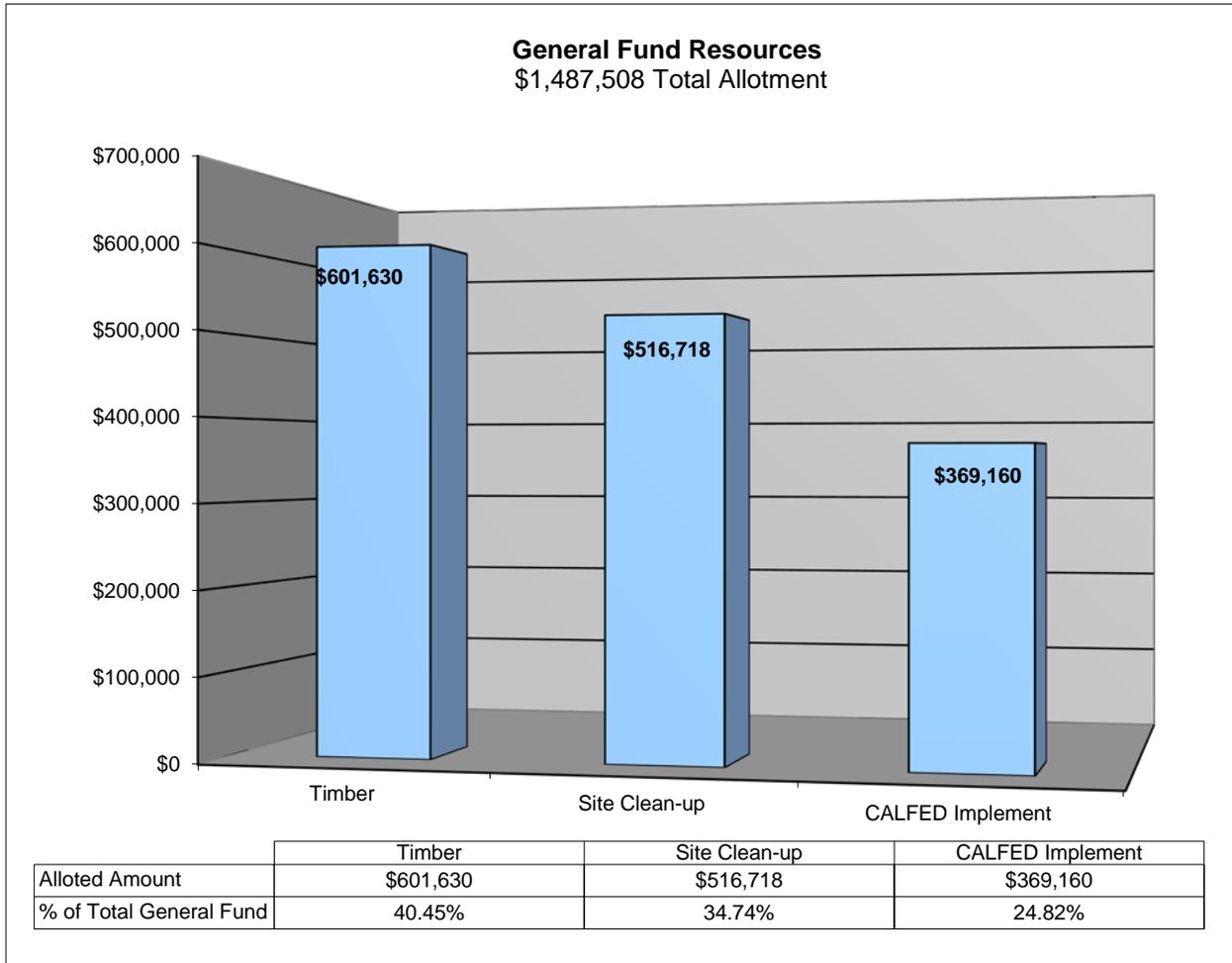
Key Funds:

Key funds are provided through General, Federal (Lawrence Livermore, Leaking Underground Storage Tanks, Non-Point Source, and NPDES), and Waste Discharge Permit fund sources. Although some funds appear to be over-expended for the Region at this time, expenditures and allocations will be balanced by the Budget Office of the State Water Resources Control Board to ensure funding is available where needed and required across all of the Water Boards.



General Fund Resources:

The Legislature and the Governor have directed our General Fund monies to specific programs. We have very little discretion in shifting these resources from one program to another.



<b>CONTRACTS</b>					
<b>OPERATIONAL SUPPORT SERVICES</b>					
<b>CONTRACT NUMBER</b>	<b>CONTRACTOR NAME</b>	<b>DESCRIPTION</b>	<b>START DATE</b>	<b>END DATE</b>	<b>AMOUNT</b>
15-072-150 - Am.1	California Reporting, LLC	Court reporter services in Rancho Cordova	07/01/15	06/30/19	\$ 36,000
16-029-150	Courtney Aviation	Airplane inspection services – Rancho Office	04/18/17	03/31/19	\$ 40,000
17-150-1087	California Reporting, LLC	Electronic Reporting Tool and Transcription Services	06/01/18	06/30/19	\$ 9,999
17-084-150	Air Shasta Rotor and Wing, Inc.	Helicopter inspection services – Redding Office	05/24/18	10/31/20	\$ 60,000
18-150-0010	Class Act Alliance	Professional sign language interpretation	07/01/18	06/30/20	\$ 9,999
<b>WATER QUALITY STUDY/PLANNING</b>					
16-046-150	UC Davis	Study to develop reference toxicity values for herbicides/fungicides present in Delta for native algal species.	TBD	2/12/20	\$ 375,000
16-048-150	UC Santa Cruz	Evaluation of temperature criteria to recommend methodology for deriving temperature criteria.	03/13/17	03/31/19	\$ 396,250
16-074-150	Lawrence Berkeley National Lab	Produce testing	02/27/17	06/30/18	\$ 250,000
16-074-150, Am. 1	Lawrence Berkeley National Lab	Plant, soil and water testing	04/28/18	06/30/19	\$ 183,511
17-022-150	Department of Water Resources	Ongoing operation and maintenance – SWAMP.	07/01/17	06/30/20	\$ 180,000
17-054-150	Delta Conservancy	Administrative and program management of the Delta Monitoring Exposure Reduction Program (MERP).	01/09/18	06/30/20	\$ 154,191
17-065-150	USGS	Non-point source aquatic passive sampling study plan (Phase 2)	06/30/18	03/31/20	\$ 190,000
17-066-150	Dept. of Fish and Wildlife	Tech assistance to design and implement a monitoring program to assess reference conditions in non-perennial streams.	TBD	06/30/20	\$ 154,055
17-069-150	CSU Chico	Tech assistance to design and implement a monitoring program to assess reference conditions in non-perennial streams.	TBD	06/30/20	\$ 135,500
18-013-999		Lab Services	TBD	36 months	\$ 600,000
18-027-150	UC Davis	Tech assistance to determine pyrethroid partition coefficients for sediment samples of the Central Valley.	TBD	01/31/21	\$ 100,000
18-057-150	UC Davis	Interpretation of Soil Chemistry	TBD	03/31/20	\$ 199,987
18-058-150	Aquatic Science Center	Development of a computer-based biogeochemical model for the Delta and Suisun Bay to quantitatively explore nutrient loads, cycling and characterize ecosystem response under current and future scenarios.	TBD	03/31/20	\$ 400,000

## **FUTURE BOARD ACTIVITIES**

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

### **OCTOBER 2018 BOARD MEETING**

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

- City of Lone, City of Lone WWTF, Amador County (Revised Cease and Desist Order)
- City of Patterson WWTF, Stanislaus County (Revised WDRs)
- Yocha Dehe, Cache Creek Golf Course, Yolo County (Revised WDRs)
- Liberty Packing, Merced County (Revised WDRs)

#### **IRRIGATED LANDS REGULATORY PROGRAM**

- Information Item on State Water Board's Eastern San Joaquin Petition Order and ILRP General Order Updates?

#### **NPDES PERMITTING**

- San Andreas Sanitary District WWTP Renewal
- Yosemite National Park, Wawona WWTF Rescission
- CCWD Forest Meadows WWTP Renewal
- EID El Dorado Hills WWTP Rescission
- Southern Cal Edison Balsam Hydro Project Rescission

#### **LOCAL AREA MANAGEMENT PROGRAM APPROVALS**

- Sierra County Environmental Health Department

### **DECEMBER 2018 BOARD MEETING**

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

- City of Fresno WWTF (Revised WDRs)
- Low Threat Waiver for Specific Types of Discharges to Land (Renewed Resolution)
- Morning Star Packing Company, Colusa County, (Revised WDRs)
- Soper Wheeler Log Yard (Revised WDRs)
- Fulton Reclamation (Revised WDRs)
- UC Davis CABA II, Yolo County (Revised WDRs)

#### **NPDES PERMITTING**

- City of Dunsmuir WWTP Renewal
- City of Davis WWTP Renewal
- City of Lincoln WWTF Renewal
- Ironhouse Sanitary District WWTF Renewal
- Portola WWTP Renewal
- City of Placerville Hangtown Creek WWTP Rescission

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

- City of Sacramento, Cannon and Scallon/28<sup>th</sup> St, Sacramento County (Revised WDRs)
- JR Simplot, San Joaquin County (Revised WDRs)
- Bell Carter Surface Impoundments, Tehama County, (Revised WDRs)
- Buttonwillow Sanitary Landfill, Kern County (Revised WDRs)
- Glenn County Landfill, Glenn County (Amended WDRs)
- Chateau Fresno Landfill, Fresno County (Revised WDRs)

#### **IRRIGATED LANDS REGULATORY PROGRAM**

- ILRP General Order Updates (TLB, WSJ, GDA, and Delta Coalitions)

## **FEBRUARY 2019 BOARD MEETING**

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

- TKI Fresno Pesticide (New WDRs)
- City of Madera WWTF (Revised WDRs)

### **NPDES PERMITTING**

- Yuba City WWTP Renewal
- SPX Marley Cooling Tower GWTS Renewal
- CDCR Deuel Vocational Institution WWTP Renewal
- City of Rio Vista Beach WWTP Renewal
- City of Clovis WWTF Renewal
- Forbestown WTP Renewal

### **IRRIGATED LANDS REGULATORY PROGRAM**

- ILRP General Order Updates (Sac and WTLB Coalitions – Rice and Individual to be done later)

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

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

- Barrel Ten Winery (Revised WDRs)
- CA Dept. of Corrections, Mule Creek State Prison (Revised WDRs)
- Calaveras County Water District, Copper Cove WWTF (Revised WDRs)
- City of Sutter Creek (Revised WDRs)
- City of Galt (Revised WDRs)
- City of Huron (WWTF)
- City of Lone (Revised Cease and Desist Order)
- City of Lodi (Revised WDRs)
- City of Lone WWTF (Amended WDRs)
- City of Lemoore WWTF (Revised WDRs)
- City of Manteca WWTF (Revised WDRs)
- City of Modesto WWTF (Revised WDRs)
- City of Richgrove WWTF (Revised WDRs)
- City of Tuolumne WWTF (Revised WDRs)
- Dairy General Order (Revised WDRs)
- E&J Gallo Madera (Revised WDRs)
- E&J Gallo Livingston (Revised WDRs)
- Exeter Ivanhoe Citrus (Revised WDRs)
- Farmersville WWTF (Revised WDRs)
- Former Pilkington Glass Manufacturing Facility (Revised WDRs)
- Golden Feather School District, Spring Valley School (Revised WDRs)
- E&J Gallo Liberty Winery (New WDRs)
- Leprino Foods Lemoore (Revised WDRs)
- Maxwell PUD (Revised WDRs)
- Mokelumne Rim Vineyards (Revised WDRs)
- North State Rendering Tallow Plant (Revised WDRs)
- Olson Meats (Revised WDRs)
- Sacramento Rendering (Revised WDRs)
- Smucker's Juice (Revised WDRs)
- Sun Maid Raisins Orange Cove (Revised WDRs)
- Tomatek and City of Firebaugh (Revised WDRs)
- Tasteful Selections (Revised WDRs)
- Tuolumne City Sanitary District (Revised WDRs)
- Westwood STP (Revised WDRs)
- Wonderful Pistachios (Revised WDRs)

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

- Eastlake Landfill, Lake County (Revised WDRs)
- Butts Canyon Road Geothermal Power Plant Facility (New WDRs)
- Western Regional Landfill (Revised WDRs)
- Forward Landfill (Revised WDRs)
- Pittsburg Landfill (Revised WDRs)
- Geer Landfill (Revised WDRs)
- Roseville Landfill (Revised WDRs)
- SMS Briners (Revised WDRs)
- UC Davis Landfill (Revised WDRs)
- Ponderosa Landfill (Revised WDRs)
- Dixon Pit Landfill (Revised WDRs)
- Rio Vista Landfill (Revised WDRs)
- Steele Canyon Landfill (Revised WDRs)
- Lincoln Landfill (Revised WDRs)
- Meadow Vista Landfill (Revised WDRs)

#### **NPDES PROGRAM – PERMITTING**

- City of Lodi White Slough WPCF Rescission
- Malaga WWTF Rescission
- Sequoia/Kings Canyon National Parks Rotenone Application (New Permit)
- Delleker WWTP Renewal
- City of Brentwood WWTP Renewal
- Shasta Lake WWTF Renewal
- Paradise WTP Renewal
- City of Roseville, Dry Creek WWTP Rescission
- City of Roseville, Pleasant Grove WWTP Rescission
- EID Deer Creek WWTP Rescission
- Williams WWTP Rescission
- Washington Mine Renewal
- Alturas WWTP Renewal
- Yosemite National Park, El Portal WWTF

#### **STORM WATER AND 401 CERTIFICATION PROGRAM**

- General Order for Dredging Activities not requiring a Federal Permit/General 401 Certification for Dredging Activities requiring a Federal Permit

## **SIGNIFICANT CENTRAL VALLEY WATER BOARD PLANS, PERMITS AND POLICIES UNDER DEVELOPMENT**

### **Central Valley Pyrethroids Basin Plan Amendment**

2018-07-06 The Basin Plan Amendment was adopted by the Central Valley Water Board on 8 June 2017. The Amendment was approved by State Water Board on 10 July 2018. OAL and USEPA approval needed before becoming fully effective.

### **Water Quality Objectives for Salinity in the Lower San Joaquin River**

2018-06-29 The Central Valley Water Board adopted the proposed amendment on 8/9 June 2017. The State Water Board approved the amendment on 9 January 2018. Documents were approved by OAL in April 2018 and are under consideration by USEPA.

### **Central Valley Diuron Basin Plan Amendment**

2018-07-06 A review of the most current water quality information indicates the Irrigated Lands Regulatory Program is effectively addressing all diuron impairments. The 2014 Integrated Report included documentation for listing several diuron impairments as being addressed by an existing regulatory program and not needing TMDLs (category 4b). Additional de-listings and/or category 4b demonstrations are being prepared for the 2018 listing cycle.

### **Revisions to General Order for Poultry Facilities**

2018-03-02 Order No. R5-2016-0087 was adopted on 6 December 2016. A General Order update was presented to the Board in August 2017. Revisions to the General Order for Poultry Facilities are anticipated to be presented to the Board for consideration in 2018.

### **Mercury Implementation Plan for Reservoirs**

2018-07-02 Staff from the San Francisco Bay Water Board, the Central Valley Water Board, and State Water Board are developing a program to address fish mercury (Hg) impairments in about 130 reservoirs statewide. Staff prepared the scientific and technical analysis and regulatory provisions for the implementation plan. The scientific peer review version of the staff report is posted on the project website - staff is drafting responses to peer review comments. Staff is forming a reservoir owner working group to develop coordinated pilot tests.

### **CV-SALTS Basin Plan Amendments**

2018-06-29 Salt and Nitrate Management Plan posted at [www.cvsalinity.org](http://www.cvsalinity.org) at the end of 2016 and formally submitted to the Central Valley Water Board on 12 January 2017. Board accepted receipt of SNMP on 9 March 2017 and directed staff to begin Basin Plan Amendment. Central Valley Water Board adopted Basin Plan Amendments to implement a Central Valley-wide Salt and Nitrate Control Program on 31 May 2018. Supporting policies included a revised Variance and Exceptions Policy; Drought and Conservation Policy; Offsets Policy; and clarification on the use of Secondary MCLs to protect the MUN use. Staff preparing to bring amendments to the State Board, OAL and USEPA for approval.

### **Revision of General Order for Existing Dairies**

2018-05-03 Revision of Revised General Order R5-2013-0122 to include requirements for composting consistent with the statewide composting General Order WQ 2015-0121-DWQ and requirements for land application areas consistent with the Irrigated Lands Regulatory Program requirements. Staff is drafting revisions and anticipates Board consideration of the revised General Order in mid-2018.

### **Water Quality Objectives for Ammonia**

2018-06-20 Scoping meetings held on 15, 16 and 22 March in Rancho Cordova, Fresno and Redding, respectively. Agency meeting held 24 May. Toxicity testing in progress to provide information for criteria development.

**New Winery Waste Guidelines**

2018-06-29 Industry recommendations have been reviewed by CV-SALTS Management Practices Subcommittee. Currently the CV-SALTS Management Practices Subcommittee is on hold while salinity management alternatives are being evaluated. New state-wide general order being developed with consideration of these recommendations as well as others through the outreach program.

**Development of Permit for Federal Non-Point Source activities on Forest Lands**

2018-05-09 The Central Valley Water Board is working with the Lahontan Water Board to develop similar permits to cover NPS activities on USFS and BLM managed lands with the potential to affect water quality. The Central Valley Water Board's MS4 permit is being used as a model, and an EIR will be developed to address CEQA. 6 initial public outreach meetings were held from October through early December 2017. Project information can be found here:

[http://www.waterboards.ca.gov/lahontan/water\\_issues/programs/nps/federal\\_land/](http://www.waterboards.ca.gov/lahontan/water_issues/programs/nps/federal_land/)

**Implement Mercury TMDL/Control Program in Cache Creek Watershed**

2018-07-02 Mining wastes at 6 inactive mercury (Hg) mines in the upper Cache Creek watershed were remediated in summer 2016 to prevent the continued erosion of mercury sediment into Sulphur Creek, a tributary to Cache Creek.

## ATTACHMENT A - Sanitary Sewer Spills - Summary Report

Count of Spills for March 2018 through May 2018

Count of Spills Month	5F				5R				5S				Grand Total
	Category 1	Category 2	Category 3	5F Total	Category 1	Category 2	Category 3	5R Total	Category 1	Category 2	Category 3	5S Total	
March 2018	3	1	9	13	2	0	2	4	10	3	93	106	123
April 2018	1	3	6	10	1	0	1	2	9	1	83	93	105
May 2018	2	0	4	6	0	1	0	1	2	3	88	93	100
<b>Total</b>	<b>6</b>	<b>4</b>	<b>19</b>	<b>29</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>7</b>	<b>21</b>	<b>7</b>	<b>264</b>	<b>292</b>	<b>328</b>

Spill Cause	Count of Spills	%
Root Intrusion	137	41.8%
Debris-General	74	22.6%
Grease Deposition (FOG)	23	7.0%
Pipe Structural Problem/Failure	20	6.1%
Other	18	5.5%
Operator Error	10	3.0%
Debris-Rags	9	2.7%
Debris-Wipes/Non-Dispersables	5	1.5%
CS Maintenance Caused Spill/Damage	4	1.2%
Damage by others not related to CS Const/Maintenance	6	1.8%
Debris from Construction	3	0.9%
Debris from Lateral	3	0.9%
Natural Disaster	3	0.9%
Pump Station Failure-Controls	3	0.9%
Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure	2	0.6%
Flow Exceeded Capacity (Separate CS Only)	2	0.6%
Pump Station Failure-Power	2	0.6%
Rainfall Exceeded Design, I and I (Separate CS Only)	2	0.6%
Pipe Structural Problem/Failure - Installation	1	0.3%
Vandalism	1	0.3%
<b>Total</b>	<b>328</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 - March through May 2018

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
5F	Mariposa Co DON PEDRO SEWER ZONE 1 CS	55SO11326	845965	Certified	Category 1	Ranchito Dr. & Golfito Way	Mariposa	Yes	21,400	21,400	3/22/2018	Natural Disaster
5F	Sacramento Area Sewer District CS	55SO10912	846356	Certified	Category 1		211242 Sacramento	Yes	16,157	13,287	4/6/2018	Grease Deposition (FOG)
5R	Portola CS	55SO10843	845990	Certified	Category 1	California St	Plumas	Yes	12,500	12,500	3/22/2018	Other (specify below)
5R	Portola CS	55SO10843	846200	Certified	Category 1	West Sierra St.	Plumas	Yes	12,500	12,500	3/22/2018	Other (specify below)
5S	Kirkwood Meadows CS	55SO10975	846352	Certified	Category 1	Kirkwood Meadows PUD Wastewater Treatment Plant	Alpine	Yes	50,000	10,000	4/7/2018	Rainfall Exceeded Design, I and I (Separate CS Only)
5S	City Of Antioch CS	55SO10890	846890	Certified	Category 1	2701 W 10th st Antioch Ca	Contra Costa	Yes	10,417	7,445	4/30/2018	Grease Deposition (FOG)
5S	City of Stockton MUD CS	55SO11433	846462	Certified	Category 1	6603 Gunton Way	San Joaquin	Yes	6,300	6,300	4/4/2018	Grease Deposition (FOG)
5R	Red Bluff CS	55SO10845	846805	Certified	Category 1	1256 Walnut St.	Tehama	Yes	6,000	5,950	4/28/2018	Debris-General
5S	Lake of The Pines CS	55SO10983	845855	Certified	Category 1	12376 Lakeshore North Lift Station 7	Nevada	Yes	5,840	5,840	3/22/2018	Natural Disaster
5S	Sacramento Area Sewer District CS	55SO10912	845471	Certified	Category 1		208732 Sacramento	Yes	5,413	4,774	3/4/2018	Grease Deposition (FOG)
5S	City of Stockton MUD CS	55SO11433	845609	Certified	Category 2	530 E Benjamin Holt Dr	San Joaquin	Yes	4,410	4,410	3/5/2018	Root Intrusion
5F	Groveland CS	55SO10961	845894	Certified	Category 1	19520 Grizzly Circle	Tuolumne	Yes	2,500	2,500	3/22/2018	Natural Disaster
5S	Sacramento Area Sewer District CS	55SO10912	846064	Certified	Category 1		213042 Sacramento	Yes	1,500	1,483	5/3/2018	Debris from Construction
5F	Yosemite Valley CS	55SO10774	846286	Certified	Category 1	House Keeping Camp collection system	Mariposa	Yes	1,000	1,000	4/7/2018	Other (specify below)
5F	City of Stockton MUD CS	55SO11433	845633	Certified	Category 1	434 Berrendo Lane	San Joaquin	Yes	913	913	3/10/2018	Root Intrusion
5F	Mariposa PUD CS	55SO10744	847531	Certified	Category 1	Joe Howard Street Mariposa/Mariposa Creek	Mariposa	Yes	800	800	5/25/2018	Debris-General
5S	Sacramento Area Sewer District CS	55SO10912	845844	Certified	Category 3		209711 Sacramento	Yes	780	774	3/15/2018	Root Intrusion
5F	Groveland CS	55SO10961	845921	Certified	Category 1	19548 Grizzly Circle Groveland Ca 95321	Tuolumne	Yes	690	690	3/26/2018	Other (specify below)
5S	Sacramento Area Sewer District CS	55SO10912	846148	Certified	Category 1		210763 Sacramento	Yes	586	574	4/1/2018	Debris-General
5S	Sacramento Area Sewer District CS	55SO10912	845626	Certified	Category 1		209019 Sacramento	Yes	610	541	3/7/2018	Root Intrusion
5S	City Of Auburn CS	55SO10722	845641	Certified	Category 1	1258 High ST SSO	Placer	Yes	525	525	3/10/2018	Pipe Structural Problem/Failure
5S	Sacramento Area Sewer District CS	55SO10912	846544	Certified	Category 1		211800 Sacramento	Yes	387	380	4/9/2018	Debris-General
5S	Sacramento Area Sewer District CS	55SO10912	847369	Certified	Category 1		214149 Sacramento	Yes	316	310	5/16/2018	Other (specify below)
5S	Sacramento Area Sewer District CS	55SO10912	846070	Certified	Category 1		210229 Sacramento	Yes	483	247	3/23/2018	Debris-General
5S	Hangtown Creek CS	55SO10965	845871	Certified	Category 1	670 Placerville Drive	El Dorado	Yes	200	200	3/22/2018	Rainfall Exceeded Design, I and I (Separate CS Only)
5S	El Dorado Hills CS	55SO10941	846454	Certified	Category 1	EDH-2018-04-01	El Dorado	Yes	151	151	4/13/2018	Debris-General
5S	South Placer Mud CS	55SO11054	846096	Certified	Category 1	Manhole 109-066	Placer	Yes	73	58	3/27/2018	Other (specify below)
5F	Fresno Co 31B-Shaver Lake CS	55SO11295	847057	Certified	Category 1	Ockenden Ranch-Shaver Lake	Fresno	Yes	550	50	5/10/2018	Debris-General
5S	Sacramento Area Sewer District CS	55SO10912	846693	Certified	Category 1		212201 Sacramento	Yes	57	43	4/20/2018	Root Intrusion
5S	South Placer Mud CS	55SO11054	846336	Certified	Category 1	5150 Meyers St, Rocklin	Placer	Yes	27	26	4/5/2018	Root Intrusion
5F	Pleasant Valley State Prison CS	55SO11196	846307	Certified	Category 2	PLEASANT VALLEY STATE PRISON WASTEWATER TREATMENT FACILITY	Fresno	No	250,000	-	4/5/2018	Other (specify below)
5S	Galt CS	55SO10951	846120	Certified	Category 2	Force Main ARV	Sacramento	No	53,272	-	4/1/2018	Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure
5S	Manteca CS	55SO10993	848215	Certified	Category 2	1035 n Union Rd	San Joaquin	No	52,164	-	5/8/2018	Pipe Structural Problem/Failure
5S	Mule Creek State Prison CS	55SO11005	845683	Certified	Category 2	Mule Creek State Prison 4001 highway 104, lone ca. 95640	Amador	No	8,000	-	3/14/2018	Flow Exceeded Capacity (Separate CS Only)
5S	Jamestown SD CS	55SO11303	845501	Certified	Category 2	18217 9th Ave. seg 211	Tuolumne	No	4,770	-	3/4/2018	Damage by Others Not Related to CS Construction/Maintenance (Specify Below)
5F	North of River Sanitary District #1 CS	55SO10750	845598	Certified	Category 2	Lift Station 4 Cleanout @ Mohawk Street & Krebs Road	Kern	No	4,560	-	3/9/2018	Other (specify below)
5F	City of Fresno CS	55SO11202	846633	Certified	Category 2	California and Thorne	Fresno	No	3,576	-	4/17/2018	Pipe Structural Problem/Failure
5S	Sacramento Area Sewer District CS	55SO10912	847259	Certified	Category 2		214259 Sacramento	No	3,051	-	5/14/2018	Damage by Others Not Related to CS Construction/Maintenance (Specify Below)
5F	Exeter CS	55SO11226	846524	Certified	Category 2	145 S. Filbert	Tulare	No	1,500	-	4/15/2018	Debris-General
5S	Sacramento Area Sewer District CS	55SO10912	845450	Certified	Category 2		208664 Sacramento	No	1,400	-	3/14/2018	Pipe Structural Problem/Failure
5R	Red Bluff CS	55SO10845	846980	Certified	Category 2	1660 Monroe St.	Tehama	No	1,156	-	5/7/2018	Pump Station Failure-Controls
5S	Sacramento Area Sewer District CS	55SO10912	847032	Certified	Category 2		213197 Sacramento	No	1,120	-	5/6/2018	Debris-Rags
5F	Exeter CS	55SO11226	846787	Certified	Category 3	501 E. Prospect	Tulare	No	800	-	4/27/2018	Debris-General
5S	City of Turlock CS	55SO11409	846579	Certified	Category 3	Manhole #080	Stanislaus	No	750	-	4/18/2018	Pump Station Failure-Controls
5S	City Of Antioch CS	55SO10890	846926	Certified	Category 3	DDSD Pump station Fulton ship yard	Contra Costa	No	608	-	4/24/2018	Debris-General
5S	Sacramento Area Sewer District CS	55SO10912	846875	Certified	Category 3		210382 Sacramento	No	459	-	3/27/2018	Root Intrusion
5S	Sacramento Area Sewer District CS	55SO10912	848647	Certified	Category 3		215238 Sacramento	No	425	-	5/26/2018	Root Intrusion
5R	Orland CS	55SO11421	846140	Certified	Category 3	1st Street & A Street Alley	Glenn	No	400	-	3/1/2018	Pipe Structural Problem/Failure
5S	City of Sacramento Utilities CS	55SO10901	845685	Certified	Category 3	5451 Pleasant Dr. Sacramento, Ca.	Sacramento	No	375	-	3/10/2018	Other (specify below)
5S	City of Sacramento Utilities CS	55SO10901	846064	Certified	Category 3	6110 Holstein Way Sacramento, Ca.	Sacramento	No	375	-	3/23/2018	Root Intrusion
5S	City of Sacramento Combined CS	55SO10901-C	846062	Certified	Category 3	2600 Portola Way Sacramento, Ca.	Sacramento	No	295	-	3/21/2018	Other (specify below)
5S	City Of Jackson CS	55SO10895	845785	Certified	Category 3	302 Center St	Amador	No	292	-	3/16/2018	Debris from Construction
5F	City of Fresno CS	55SO11202	846434	Certified	Category 3	MH 1550-12	Fresno	No	282	-	4/1/2018	Root Intrusion
5S	Sacramento Area Sewer District CS	55SO10912	847642	Certified	Category 3		210764 Sacramento	No	270	-	4/1/2018	Pipe Structural Problem/Failure
5F	Selma-Kingsburg-Fowler CS	55SO11466	845763	Certified	Category 3	15998 S McCall Ave	Fresno	No	256	-	3/5/2018	Operator Error
5F	City of Hanford CS	55SO11229	846676	Certified	Category 3	515 E 9th Street	Kings	No	250	-	4/23/2018	Pipe Structural Problem/Failure
5F	Selma-Kingsburg-Fowler CS	55SO11466	845972	Certified	Category 3	2025 Grant St. Selma CA 93662	Fresno	No	245	-	3/2/2018	Pipe Structural Problem/Failure
5S	City Of Antioch CS	55SO10890	846445	Certified	Category 3	705 west 10th st. antioch ca.	Contra Costa	No	228	-	4/10/2018	Debris-Wipes/Non-Dispersables
5S	Sacramento Area Sewer District CS	55SO10912	848636	Certified	Category 3		214834 Sacramento	No	181	-	5/23/2018	Debris-General
5S	Hammonton Gold Village CS	55SO10964	847593	Certified	Category 3	River Highlands CSD	Yuba	No	180	-	5/25/2018	Root Intrusion
5F	Wasco State Prison CS	55SO10775	845939	Certified	Category 3	Wasco State Prison	Kern	No	150	-	3/26/2018	Debris-Rags
5F	Groveland CS	55SO10961	845335	Certified	Category 3	20189 Upper Skyridge Drive	Tuolumne	No	150	-	3/6/2018	Grease Deposition (FOG)
5S	Sacramento Area Sewer District CS	55SO10912	846824	Certified	Category 3		208734 Sacramento	No	136	-	3/5/2018	Grease Deposition (FOG)
5S	El Dorado Hills CS	55SO10941	847458	Certified	Category 3	EDH-2018-04-02	El Dorado	No	135	-	4/15/2018	Vandalism
5F	Wasco State Prison CS	55SO10775	845971	Certified	Category 3	Wasco State Prison	Kern	No	130	-	3/28/2018	Debris-Rags
5S	Sacramento Area Sewer District CS	55SO10912	848644	Certified	Category 3		213861 Sacramento	No	113	-	5/13/2018	Root Intrusion
5S	City of Stockton MUD CS	55SO11433	845964	Certified	Category 3	8843 El Toro Way	San Joaquin	No	105	-	3/27/2018	Root Intrusion
5S	Sacramento Area Sewer District CS	55SO10912	848675	Certified	Category 3		213785 Sacramento	No	104	-	5/11/2018	Debris-General
5R	Dunsmuir CS	55SO10812	847255	Certified	Category 3	-5 Liftstation upper soda rd. Dunsmuir, Ca	Siskiyou	No	100	-	3/9/2018	Pipe Structural Problem/Failure
5S	Williams CS	55SO11088	846127	Certified	Category 3	Manhole 56	Colusa	No	100	-	3/29/2018	Grease Deposition (FOG)
5F	Wasco State Prison CS	55SO10775	847351	Certified	Category 3	Wasco State Prison	Kern	No	100	-	5/21/2018	Debris-Rags
5S	Sacramento Area Sewer District CS	55SO10912	847630	Certified	Category 3		210981 Sacramento	No	94	-	4/4/2018	Root Intrusion
5S	City of Woodland CS	55SO10903	846383	Certified	Category 3	404 W. Casa Linda Dr	Yolo	No	91	-	4/4/2018	Root Intrusion
5F	Los Banos City CS	55SO11310	847297	Certified	Category 3	Rainer Drive @ Bluff Drive, Los Banos, CA	Merced	No	90	-	5/10/2018	Pump Station Failure-Controls
5S	Manteca CS	55SO10993	848221	Certified	Category 3	607 Silverado	San Joaquin	No	88	-	5/14/2018	Grease Deposition (FOG)
5S	Dry Creek CS	55SO10935	848002	Certified	Category 3	1245 Vista Verde	Placer	No	88	-	5/26/2018	Debris from Construction
5S	Easterly CS	55SO10938	845614	Certified	Category 3	112 Wkoff	Solano	No	87	-	3/12/2018	Debris-General
5S	Dry Creek CS	55SO10935	848614	Certified	Category 3	441 Brigg Ct	Placer	No	86	-	5/31/2018	Pipe Structural Problem/Failure - Installation
5F	Tuolumne Utilities District CS	55SO10771	846092	Certified	Category 3	manhole in backyard of 161 Elk	Tuolumne	No	78	-	3/24/2018	Root Intrusion
5S	Sacramento Area Sewer District CS	55SO10912	846868	Certified	Category 3		209528 Sacramento	No	78	-	3/15/2018	Root Intrusion
5S	Sacramento Area Sewer District CS	55SO10912	846857	Certified	Category 3		210141 Sacramento	No	77	-	3/23/2018	Root Intrusion
5S	Sacramento Area Sewer District CS	55SO10912	847641	Certified	Category 3		211575 Sacramento	No	77	-	4/11/2018	Debris-General
5S	Easterly CS	55SO10938	847049	Certified	Category 3	Peabody rd. & Marshall rd.	Solano	No	69	-	5/8/2018	Grease Deposition (FOG)
5S	City of Stockton MUD CS	55SO11433	847343	Certified	Category 3	735 Yerba Buena Ave Stockton Ca	San Joaquin	No	66	-	5/16/2018	Root Intrusion

# ATTACHMENT A - Sanitary Sewer Overflow (SSO) Spills - March through May 2018

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
SS	Sacramento Area Sewer District CS	55SO10912	847656	Certified	Category 3		212172	Sacramento	No	65	4/19/2018	Pump Station Failure-Power
SS	City Of Jackson CS	55SO10895	846792	Certified	Category 3	Pitt St. & Bright Ave		Amador	No	60	4/27/2018	Other (specify below)
SS	Sacramento Area Sewer District CS	55SO10912	848665	Certified	Category 3		214383	Sacramento	No	59	5/15/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	848669	Certified	Category 3		214489	Sacramento	No	56	5/17/2018	Debris-General
SS	City of Stockton MUD CS	55SO11433	845571	Certified	Category 3	1868 Princeton Ave.		San Joaquin	No	53	3/10/2018	Root Intrusion
SS	Dry Creek CS	55SO10935	847278	Certified	Category 3	329 Alta Vista		Placer	No	51	4/18/2018	Debris-Wipes/Non-Dispersables
SS	Sacramento Area Sewer District CS	55SO10912	847634	Certified	Category 3		212123	Sacramento	No	51	4/19/2018	Debris-General
SS	SMD No. 1 CS	55SO11028	846074	Certified	Category 3	Auburn Ravine Lift Station		Placer	No	50	3/22/2018	Flow Exceeded Capacity (Separate CS Only)
SS	Sacramento Area Sewer District CS	55SO10912	846858	Certified	Category 3		210259	Sacramento	No	50	3/23/2018	Root intrusion
SS	Davis CS	55SO10921	846880	Certified	Category 3	1508 L St.		Yolo	No	50	4/25/2018	Root intrusion
SS	San Andreas CS	55SO11048	846464	Certified	Category 3	Clean-Out E-7608		Calaveras	No	50	4/12/2018	Debris-General
SS	San Andreas CS	55SO11048	846465	Certified	Category 3	Sewer Clean-out E-7608		Calaveras	No	50	4/15/2018	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	55SO10912	848673	Certified	Category 3		212855	Sacramento	No	50	5/1/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	846861	Certified	Category 3		209013	Sacramento	No	49	3/8/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	847631	Certified	Category 3		211590	Sacramento	No	47	4/10/2018	Debris-General
SS	Davis CS	55SO10921	845395	Certified	Category 2	2323 Catalina Dr.		Yolo	No	45	3/3/2018	CS Maintenance Caused Spill/Damage
SS	City of Stockton MUD CS	55SO11433	847707	Certified	Category 3	6313 Savannah Pl Stockton Ca		San Joaquin	No	44	5/29/2018	Debris from Lateral
SF	Wasco State Prison CS	55SO10775	846527	Certified	Category 3	Wasco State Prison		Wasco	No	40	4/22/2018	Debris-Rags
SF	Clover Creek CS	55SO11675	847413	Certified	Category 3	Lodgepole Campground		Tulare	No	40	5/18/2018	Debris-Wipes/Non-Dispersables
SS	City of Stockton MUD CS	55SO11433	847028	Certified	Category 3	1231 E. Miner Ave Stockton Ca		San Joaquin	No	40	5/8/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	848640	Certified	Category 3		214262	Sacramento	No	39	5/14/2018	Root intrusion
SS	Davis CS	55SO10921	845904	Certified	Category 3	2832 Mallorca Lane		Yolo	No	35	3/19/2018	CS Maintenance Caused Spill/Damage
SS	City of Stockton MUD CS	55SO11433	846288	Certified	Category 3	821 N. American St.		San Joaquin	No	34	4/5/2018	Debris-General
SS	City of Stockton MUD CS	55SO11433	846992	Certified	Category 3	6409 Maywood Ln. Stockton Ca		San Joaquin	No	33	5/6/2018	Debris-General
SS	Davis CS	55SO10921	846435	Certified	Category 3	821 Cordova Place		Yolo	No	32	4/12/2018	Root Intrusion
SS	Sacramento Area Sewer District CS	55SO10912	848664	Certified	Category 3		214321	Sacramento	No	31	5/15/2018	Debris-General
SF	Wasco State Prison CS	55SO10775	845974	Certified	Category 3	Wasco State Prison		kern	No	30	3/28/2018	Debris-Rags
SS	Penn Valley CS	55SO11022	845856	Certified	Category 3	10399 broken oak court penn valley ca. 95946		Nevada	No	30	3/20/2018	Other (specify below)
SS	Sacramento Area Sewer District CS	55SO10912	846865	Certified	Category 3		210436	Sacramento	No	30	3/28/2018	Root intrusion
SF	City Of Bakersfield CS	55SO10717	846489	Certified	Category 3	6000 Nutmeg Dr		Kern	No	30	4/10/2018	Grease Deposition (FOG)
SS	Davis CS	55SO10921	846467	Certified	Category 3	1710 Palm Place		Yolo	No	30	4/15/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	847643	Certified	Category 3		211497	Sacramento	No	30	4/10/2018	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	55SO10912	846832	Certified	Category 3		209228	Sacramento	No	28	3/10/2018	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	55SO10912	847667	Certified	Category 3		212558	Sacramento	No	28	4/25/2018	Root intrusion
SS	City of Sacramento Combined CS	55SO10901-C	845590	Certified	Category 3	2716 Broadway Sacramento, Ca.		Sacramento	No	27	3/5/2018	Grease Deposition (FOG)
SS	South Placer Mud CS	55SO11054	847694	Certified	Category 3	2955 Argonaut Ave, Rocklin CA		Placer	No	26	5/19/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	846833	Certified	Category 3		209580	Sacramento	No	25	3/15/2018	Root intrusion
SS	City Of Folsom CS	55SO10893	846809	Certified	Category 3	2310 E. Bidwell St.		Sacramento	No	25	4/17/2018	Debris-General
SS	SMD No. 1 CS	55SO11028	846545	Certified	Category 3	County of Placer Facilities Fleet Garage		Placer	No	25	4/12/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	847636	Certified	Category 3		211081	Sacramento	No	25	4/5/2018	Root intrusion
SS	Davis CS	55SO10921	847612	Certified	Category 2	920 Villanova Dr.		Yolo	No	25	5/14/2018	CS Maintenance Caused Spill/Damage
SS	South Placer Mud CS	55SO11054	845853	Certified	Category 3	K10-097		Placer	No	24	3/7/2018	Other (specify below)
SS	City of Stockton MUD CS	55SO11433	845573	Certified	Category 3	639 N Wilson Way Stockton Ca		San Joaquin	No	21	3/9/2018	Debris-General
SS	City Of Jackson CS	55SO10895	847582	Certified	Category 3	711 Court St		Amador	No	21	5/27/2018	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	55SO10912	846827	Certified	Category 3		208729	Sacramento	No	20	3/5/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	846866	Certified	Category 3		208967	Sacramento	No	20	3/8/2018	Root intrusion
SR	Bailey Creek CS	55SO10785	846671	Certified	Category 3	190 Red River Drive		Plumas	No	20	4/22/2018	Pipe Structural Problem/Failure
SS	Dry Creek CS	55SO10935	846885	Certified	Category 3	531 Vernon St.		Placer	No	20	4/4/2018	Debris-Wipes/Non-Dispersables
SS	Lake Wildwood CS	55SO10984	847675	Certified	Category 3	14821 woodland loop penn valley ca 95946		Nevada	No	20	5/15/2018	Grease Deposition (FOG)
SS	Sacramento Area Sewer District CS	55SO10912	848651	Certified	Category 3		214788	Sacramento	No	20	5/22/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	848657	Certified	Category 3		214786	Sacramento	No	20	5/22/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	848659	Certified	Category 3		213753	Sacramento	No	20	5/10/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	846874	Certified	Category 3		210744	Sacramento	No	19	3/30/2018	Root intrusion
SS	White Slough Water Poll Con Pu CS	55SO11084	848538	Certified	Category 3	1244 Pleasant Ave (Tamarack and Pleasant)		San Joaquin	No	19	5/19/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	846862	Certified	Category 3		209241	Sacramento	No	18	3/10/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	847659	Certified	Category 3		212736	Sacramento	No	18	4/28/2018	Debris-General
SS	City of Stockton MUD CS	55SO11433	846475	Certified	Category 3	239 E. Clay St Stockton Ca		San Joaquin	No	18	4/12/2018	Debris-General
SS	City of Stockton MUD CS	55SO11433	846702	Certified	Category 3	1135 E. Hazelton Ave Stockton Ca		San Joaquin	No	18	4/24/2018	Debris-General
SS	South Placer Mud CS	55SO11054	845823	Certified	Category 3	6060 King Rd, Loomis		Placer	No	17	3/16/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	848686	Certified	Category 3		215257	Sacramento	No	17	5/29/2018	Grease deposition (FOG)
SS	City of Stockton MUD CS	55SO11433	846719	Certified	Category 3	116 W. Willow St Stockton CA.		San Joaquin	No	16	4/25/2018	Debris from Lateral
SS	White Slough Water Poll Con Pu CS	55SO11084	848536	Certified	Category 3	829 South Garfield Ave		San Joaquin	No	16	5/1/2018	Debris-General
SS	City Of Antioch CS	55SO10890	845951	Certified	Category 3	302 w 4th St Antioch CA		Contra Costa	No	15	3/25/2018	Root intrusion
SS	City Of Folsom CS	55SO10893	845671	Certified	Category 3	965 E. Bidwell Street		Sacramento	No	15	3/7/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	846825	Certified	Category 3		209444	Sacramento	No	15	3/12/2018	Damage by others not related to CS Const/Maint.
SS	Sacramento Area Sewer District CS	55SO10912	846838	Certified	Category 2		210441	Sacramento	No	15	3/28/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	846871	Certified	Category 3		210776	Sacramento	No	15	3/31/2018	Root intrusion
SS	South Placer Mud CS	55SO11054	847201	Certified	Category 3	6636 escalonilla way rocklin ca 95677		Placer	No	15	4/23/2018	Root intrusion
SS	City of Stockton MUD CS	55SO11433	846326	Certified	Category 3	8025 Lan Ark Dr. Stockton Ca.		San Joaquin	No	15	4/9/2018	Debris-General
SF	Livingston City CS	55SO11309	847743	Certified	Category 2	Livingston ( F St. and Hammatt )		Merced	No	15	5/11/2018	Other (specify below)
SS	Jamestown SD CS	55SO11303	848412	Certified	Category 3	21.14.CO.N.4th Ave		Tuolumne	No	15	5/19/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	848646	Certified	Category 3		214849	Sacramento	No	15	5/24/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	848667	Certified	Category 3		214563	Sacramento	No	15	5/18/2018	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	55SO10912	846836	Certified	Category 3		208865	Sacramento	No	13	3/7/2018	Root intrusion
SS	City Of Antioch CS	55SO10890	846925	Certified	Category 3	300 E st Antioch CA		Contra Costa	No	13	5/2/2018	Root intrusion
SS	City Of Antioch CS	55SO10890	847194	Certified	Category 3	3003 longview rd antioch ca		Contra Costa	No	13	5/11/2018	Root intrusion
SS	West Sacramento CS	55SO11082	845775	Certified	Category 3	1023 Marston Street		Yolo	No	12	3/6/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	847625	Certified	Category 3		211643	Sacramento	No	12	4/1/2018	Root intrusion
SS	City of Woodland CS	55SO10903	847412	Certified	Category 3	33-35 Park Ave		Yolo	No	12	4/18/2018	Pipe Structural Problem/Failure
SS	Manteca CS	55SO10993	848219	Certified	Category 3	918 Pine St.		San Joaquin	No	12	5/31/2018	Grease Deposition (FOG)
SS	SMD No. 1 CS	55SO11028	845724	Certified	Category 3	County of Placer Fleet Garage		Placer	No	11	3/7/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	846835	Certified	Category 3		208607	Sacramento	No	11	3/2/2018	Root intrusion
SS	City of Woodland CS	55SO10903	846344	Certified	Category 3	108 Marin Pl		Yolo	No	11	3/18/2018	Root intrusion
SS	City of Sacramento Utilities CS	55SO10901	846471	Certified	Category 3	5681 Johns Dr. Sacramento, Ca.		Sacramento	No	11	4/11/2018	Root intrusion

# ATTACHMENT A - Sanitary Sewer Overflow (SSO) Spills - March through May 2018

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
SS	Marysville CS	55SO10994	846123	Certified	Category 3	1229 East 13th Street Marysville CA 95901	Yuba	No	10	-	3/28/2018	Other (specify below)
SS	Sacramento Area Sewer District CS	55SO10912	846824	Certified	Category 3		209316	Sacramento	10	-	3/11/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	846828	Certified	Category 3		208868	Sacramento	10	-	3/7/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	846864	Certified	Category 3		209689	Sacramento	10	-	3/19/2018	Pipe Structural Problem/Failure
SS	Dry Creek CS	55SO10935	847009	Certified	Category 3	317 Princeton Ct	Placer	No	10	-	4/10/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	847671	Certified	Category 3		210818	Sacramento	10	-	4/2/2018	Root intrusion
SS	City Of Antioch CS	55SO10890	847197	Certified	Category 3	240 Lawton St Antioch Ca	Contra Costa	No	10	-	5/5/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	848653	Certified	Category 3		215288	Sacramento	10	-	5/30/2018	Debris-General
SS	Lincoln Village Maintenance District CS	55SO11482	848702	Certified	Category 3	2644 W Swain Rd	San Joaquin	No	10	-	5/25/2018	Debris-General
SS	Stonegate Village CS	55SO11060	847456	Certified	Category 3	1464 Stoney Drive, Yuba City, CA 95993	Sutter	No	10	-	5/20/2018	Pump Station Failure-Power
SS	Sacramento Area Sewer District CS	55SO10912	846819	Certified	Category 3		209229	Sacramento	9	-	3/10/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	846841	Certified	Category 3		208666	Sacramento	9	-	3/4/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	848654	Certified	Category 3		213323	Sacramento	9	-	5/8/2018	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	55SO10912	846846	Certified	Category 3		209220	Sacramento	8	-	3/10/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	846851	Certified	Category 3		208871	Sacramento	8	-	3/7/2018	Debris-General
SS	City of Stockton MUD CS	55SO11433	845576	Certified	Category 2	1230 Earth Flower St Stockton Ca	San Joaquin	No	8	-	3/9/2018	Root intrusion
SS	Easterly CS	55SO10938	845414	Certified	Category 3	166 Tranquility In.	Solano	No	8	-	3/6/2018	Root intrusion
SS	City Of Antioch CS	55SO10890	846404	Certified	Category 3	3500 Davi pl Antioch CA	Contra Costa	No	8	-	4/11/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	847635	Certified	Category 3		210889	Sacramento	8	-	4/7/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	847666	Certified	Category 3		212162	Sacramento	8	-	4/17/2018	Root intrusion
SS	City Of Antioch CS	55SO10890	847195	Certified	Category 3	3313 Baywood Cir Antioch Ca	Contra Costa	No	8	-	5/6/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	848633	Certified	Category 3		214633	Sacramento	8	-	5/21/2018	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	55SO10912	848666	Certified	Category 3		214470	Sacramento	8	-	5/17/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	848682	Certified	Category 3		214875	Sacramento	8	-	5/19/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	846826	Certified	Category 3		210747	Sacramento	7	-	3/28/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	846834	Certified	Category 3		210339	Sacramento	7	-	3/27/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	846839	Certified	Category 3		210756	Sacramento	7	-	3/31/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	847639	Certified	Category 3		212324	Sacramento	7	-	4/22/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	847644	Certified	Category 3		211554	Sacramento	7	-	4/10/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	847657	Certified	Category 3		212256	Sacramento	7	-	4/22/2018	Root intrusion
SS	Easterly CS	55SO10938	846783	Certified	Category 3	415 Buck ave	Solano	No	7	-	4/27/2018	Debris-Wipes/Non-Dispersables
SS	Sacramento Area Sewer District CS	55SO10912	848645	Certified	Category 3		214781	Sacramento	7	-	5/20/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	848655	Certified	Category 3		213871	Sacramento	7	-	5/14/2018	Debris-General
SS	City of Stockton MUD CS	55SO11433	847563	Certified	Category 3	6515 Hemet Ave.	San Joaquin	No	7	-	5/28/2018	Debris-General
SS	Dry Creek CS	55SO10935	846248	Certified	Category 3	531 Vernon St	Placer	No	6	-	3/2/2018	Debris-Rags
SS	Sacramento Area Sewer District CS	55SO10912	846818	Certified	Category 3		210101	Sacramento	6	-	3/23/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	846829	Certified	Category 3		209464	Sacramento	6	-	3/13/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	846830	Certified	Category 3		208828	Sacramento	6	-	3/6/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	846844	Certified	Category 3		209210	Sacramento	6	-	3/9/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	846855	Certified	Category 3		209481	Sacramento	6	-	3/14/2018	Root intrusion
SS	City of Stockton MUD CS	55SO11433	845479	Certified	Category 2	930 N. Edison St. Stockton Ca.	San Joaquin	No	6	-	3/7/2018	Root intrusion
SS	City of Stockton MUD CS	55SO11433	846199	Certified	Category 3	8630 Camelot Ct Stockton Ca	San Joaquin	No	6	-	4/1/2018	Debris from Lateral
SS	City of Woodland CS	55SO10903	847558	Certified	Category 3	732 Boxwood Rd	Yuba	No	6	-	4/23/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	848641	Certified	Category 3		214607	Sacramento	6	-	5/21/2018	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	55SO10912	848649	Certified	Category 3		212767	Sacramento	6	-	5/10/2018	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	55SO10912	848672	Certified	Category 3		214940	Sacramento	6	-	5/25/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	848674	Certified	Category 3		213070	Sacramento	6	-	5/3/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	848677	Certified	Category 3		214776	Sacramento	6	-	5/22/2018	Root intrusion
SF	City Of Bakersfield CS	55SO10717	845962	Certified	Category 3	5805 Lake Havasu	kern	No	5	-	3/23/2018	Other (specify below)
SS	City Of Antioch CS	55SO10890	845433	Certified	Category 3	3527 Hillcrest Ave Antioch Ca	Contra Costa	No	5	-	3/5/2018	Root intrusion
SS	City Of Antioch CS	55SO10890	846256	Certified	Category 3	2300 Cambridge Dr Antioch CA	Contra Costa	No	5	-	3/28/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	846831	Certified	Category 3		208957	Sacramento	5	-	3/8/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	846840	Certified	Category 3		208534	Sacramento	5	-	3/1/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	846848	Certified	Category 3		209760	Sacramento	5	-	3/19/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	846849	Certified	Category 3		210224	Sacramento	5	-	3/26/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	846850	Certified	Category 3		210612	Sacramento	5	-	3/28/2018	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	55SO10912	846856	Certified	Category 3		209663	Sacramento	5	-	3/17/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	846863	Certified	Category 3		209647	Sacramento	5	-	3/16/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	846870	Certified	Category 3		210242	Sacramento	5	-	3/26/2018	Debris-General
SS	City of Stockton MUD CS	55SO11433	845565	Certified	Category 3	1223 Chelsea Way Stockton Ca	San Joaquin	No	5	-	3/8/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	847640	Certified	Category 3		212711	Sacramento	5	-	4/27/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	847649	Certified	Category 3		210806	Sacramento	5	-	4/2/2018	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	55SO10912	847650	Certified	Category 3		211260	Sacramento	5	-	4/7/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	847654	Certified	Category 3		211219	Sacramento	5	-	4/6/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	847662	Certified	Category 3		210888	Sacramento	5	-	4/2/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	847663	Certified	Category 3		211428	Sacramento	5	-	4/9/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	847664	Certified	Category 3		211562	Sacramento	5	-	4/11/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	847668	Certified	Category 3		211458	Sacramento	5	-	4/8/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	847669	Certified	Category 3		211249	Sacramento	5	-	4/7/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	848096	Certified	Category 3		212414	Sacramento	5	-	4/24/2018	Root intrusion
SS	Dry Creek CS	55SO10935	848224	Certified	Category 3	1033 Coloma Way	Placer	No	5	-	5/28/2018	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	55SO10912	848642	Certified	Category 3		215258	Sacramento	5	-	5/29/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	848656	Certified	Category 3		214667	Sacramento	5	-	5/20/2018	Damage by others not related to CS Const/Maint.
SS	Sacramento Area Sewer District CS	55SO10912	848685	Certified	Category 3		214233	Sacramento	5	-	5/14/2018	Root intrusion
SF	City of Hanford CS	55SO11229	845980	Certified	Category 3	1904 Kings Street, Hanford, CA 93230	kings	No	4	-	3/25/2018	Other (specify below)
SS	Sacramento Area Sewer District CS	55SO10912	846820	Certified	Category 3		210743	Sacramento	4	-	3/30/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	846854	Certified	Category 3		209297	Sacramento	4	-	3/12/2018	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	55SO10912	846867	Certified	Category 3		209391	Sacramento	4	-	3/13/2018	Damage by others not related to CS Const/Maint.
SS	City of Stockton MUD CS	55SO11433	845377	Certified	Category 3	815 Morada Ct B Stockton Ca	San Joaquin	No	4	-	3/3/2018	Root intrusion
SS	Dry Creek CS	55SO10935	847241	Certified	Category 3	8409 Early Way	Placer	No	4	-	4/18/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	847628	Certified	Category 3		211439	Sacramento	4	-	4/1/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	847645	Certified	Category 3		212043	Sacramento	4	-	4/17/2018	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	55SO10912	847655	Certified	Category 3		212139	Sacramento	4	-	4/19/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	847658	Certified	Category 3		212503	Sacramento	4	-	4/25/2018	Root intrusion

# ATTACHMENT A - Sanitary Sewer Overflow (SSO) Spills - March through May 2018

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
SS	Sacramento Area Sewer District CS	55SO10912	847672	Certified	Category 3		211033	Sacramento	No	4	4/3/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	848631	Certified	Category 3		214418	Sacramento	No	4	5/15/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	848661	Certified	Category 3		214600	Sacramento	No	4	5/20/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	848676	Certified	Category 3		214584	Sacramento	No	4	5/19/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	848683	Certified	Category 3		215420	Sacramento	No	4	5/30/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	846822	Certified	Category 3		209274	Sacramento	No	3	3/12/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	846823	Certified	Category 3		209006	Sacramento	No	3	3/8/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	846853	Certified	Category 3		209020	Sacramento	No	3	3/8/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	846860	Certified	Category 3		208832	Sacramento	No	3	3/6/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	847627	Certified	Category 3		212466	Sacramento	No	3	4/24/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	847637	Certified	Category 3		211741	Sacramento	No	3	4/13/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	847646	Certified	Category 3		212089	Sacramento	No	3	4/19/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	847648	Certified	Category 3		212744	Sacramento	No	3	4/28/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	847652	Certified	Category 3		212779	Sacramento	No	3	4/30/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	847660	Certified	Category 3		212570	Sacramento	No	3	4/24/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	847665	Certified	Category 2		211754	Sacramento	No	3	4/14/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	847674	Certified	Category 3		212243	Sacramento	No	3	4/21/2018	Pipe Structural Problem/Failure
SS	City Of Antioch CS	55SO10890	847608	Certified	Category 3	218 W 5th St Antioch CA	Contra Costa	No	3	5/29/2018	Pipe Structural Problem/Failure	
SS	Dry Creek CS	55SO10935	847760	Certified	Category 3	326 Grove St.	Placer	No	3	5/17/2018	Debris-Rags	
SS	Dry Creek CS	55SO10935	848005	Certified	Category 3	376 Circuit Dr	Placer	No	3	5/24/2018	Root intrusion	
SS	Sacramento Area Sewer District CS	55SO10912	848632	Certified	Category 3		213217	Sacramento	No	3	5/7/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	848635	Certified	Category 3		214505	Sacramento	No	3	5/17/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	848638	Certified	Category 3		215128	Sacramento	No	3	5/26/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	848648	Certified	Category 3		213642	Sacramento	No	3	5/8/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	848650	Certified	Category 3		214528	Sacramento	No	3	5/18/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	848658	Certified	Category 3		213640	Sacramento	No	3	5/7/2018	Operator error
SS	Sacramento Area Sewer District CS	55SO10912	848660	Certified	Category 3		214230	Sacramento	No	3	5/14/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	848662	Certified	Category 3		213876	Sacramento	No	3	5/13/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	848680	Certified	Category 3		214303	Sacramento	No	3	5/15/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	848681	Certified	Category 3		214692	Sacramento	No	3	5/20/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	848684	Certified	Category 3		213852	Sacramento	No	3	5/12/2018	Root intrusion
SS	City Of Folsom CS	55SO10893	845735	Certified	Category 3	108 Sedgeford Court	Sacramento	No	2	3/12/2018	Root intrusion	
SS	Sacramento Area Sewer District CS	55SO10912	846817	Certified	Category 3		210173	Sacramento	No	2	3/24/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	846837	Certified	Category 3		209778	Sacramento	No	2	3/19/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	846842	Certified	Category 3		208782	Sacramento	No	2	3/6/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	846843	Certified	Category 3		209074	Sacramento	No	2	3/9/2018	Operator error
SS	Sacramento Area Sewer District CS	55SO10912	846845	Certified	Category 3		210230	Sacramento	No	2	3/26/2018	Operator error
SS	Sacramento Area Sewer District CS	55SO10912	846847	Certified	Category 3		209740	Sacramento	No	2	3/19/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	846852	Certified	Category 3		208942	Sacramento	No	2	3/8/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	846859	Certified	Category 3		208614	Sacramento	No	2	3/2/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	846869	Certified	Category 3		209659	Sacramento	No	2	3/17/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	846872	Certified	Category 3		208657	Sacramento	No	2	3/4/2018	Root intrusion
SS	City of Stockton MUD CS	55SO11433	845566	Certified	Category 3	1101 N. Pilgrim St.	San Joaquin	No	2	3/11/2018	Root intrusion	
SS	Easterly CS	55SO10938	845319	Certified	Category 3	89 Sequoia	Solano	No	2	3/4/2018	Debris-Rags	
SS	Sacramento Area Sewer District CS	55SO10912	847626	Certified	Category 3		212225	Sacramento	No	2	4/20/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	847629	Certified	Category 3		210890	Sacramento	No	2	4/1/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	847638	Certified	Category 3		211861	Sacramento	No	2	4/17/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	847647	Certified	Category 3		212231	Sacramento	No	2	4/20/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	847651	Certified	Category 3		211997	Sacramento	No	2	4/18/2018	Operator error
SS	Sacramento Area Sewer District CS	55SO10912	847661	Certified	Category 3		212810	Sacramento	No	2	4/30/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	847670	Certified	Category 3		212448	Sacramento	No	2	4/24/2018	Operator error
SS	Sacramento Area Sewer District CS	55SO10912	847673	Certified	Category 3		211185	Sacramento	No	2	4/6/2018	Root intrusion
SS	City Of Lakeport CS	55SO10896	847205	Certified	Category 3	250 S. Russell St.	Lake	No	2	5/14/2018	Debris-General	
SS	Sacramento Area Sewer District CS	55SO10912	848634	Certified	Category 3		213595	Sacramento	No	2	5/2/2018	Operator error
SS	Sacramento Area Sewer District CS	55SO10912	848637	Certified	Category 3		214449	Sacramento	No	2	5/16/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	848639	Certified	Category 3		215145	Sacramento	No	2	5/28/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	848643	Certified	Category 3		213231	Sacramento	No	2	5/7/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	848652	Certified	Category 3		215263	Sacramento	No	2	5/29/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	848668	Certified	Category 3		215269	Sacramento	No	2	5/29/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	848670	Certified	Category 3		214499	Sacramento	No	2	5/17/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	848671	Certified	Category 3		214601	Sacramento	No	2	5/20/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	848678	Certified	Category 3		215339	Sacramento	No	2	5/31/2018	Root intrusion
SS	City of Stockton MUD CS	55SO11433	847570	Certified	Category 3	3250 Rutherford Dr Stockton Ca	San Joaquin	No	2	5/23/2018	Debris-General	
SS	Sacramento Area Sewer District CS	55SO10912	846873	Certified	Category 3		210059	Sacramento	No	1	3/22/2018	Root intrusion
SS	Easterly CS	55SO10938	845435	Certified	Category 3	215 Elm st.	Solano	No	1	3/3/2018	Root intrusion	
SF	City of Fresno CS	55SO11202	847708	Certified	Category 2	Tuolumne and E Street	Fresno	No	1	4/27/2018	Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure	
SS	City Of Brentwood CS	55SO10891	846654	Certified	Category 3	1331 Arlington Ct.	Contra Costa	No	1	4/20/2018	Pipe Structural Problem/Failure	
SS	City Of Folsom CS	55SO10893	847013	Certified	Category 3	144 Grey Canyon Drive	Sacramento	No	1	4/21/2018	Other (Specify below)	
SS	Sacramento Area Sewer District CS	55SO10912	847624	Certified	Category 3		210866	Sacramento	No	1	4/2/2018	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	847632	Certified	Category 3		210766	Sacramento	No	1	4/1/2018	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	847633	Certified	Category 3		211491	Sacramento	No	1	4/10/2018	Operator error
SS	Sacramento Area Sewer District CS	55SO10912	847653	Certified	Category 3		212823	Sacramento	No	1	4/30/2018	Operator error
SS	Ironhouse Sanitary District CS	55SO10970	847698	Certified	Category 3	214 E Home Street	Contra Costa	No	1	5/21/2018	CS Maintenance Caused Spill/Damage	
SS	Sacramento Area Sewer District CS	55SO10912	848663	Certified	Category 3		214603	Sacramento	No	1	5/20/2018	Damage by others not related to CS Const/Maint.
SS	Sacramento Area Sewer District CS	55SO10912	848679	Certified	Category 3		213282	Sacramento	No	1	5/7/2018	Operator error
SS	South Placer Mud CS	55SO11054	847765	Certified	Category 3	3229 Outlook Dr Rocklin Ca 95677	Placer	No	1	5/14/2018	Root intrusion	