

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



**EXECUTIVE OFFICER’S REPORT
 FEBRUARY 1-2, 2018**

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SUCCESS STORIES

1. IRRIGATED AGRICULTURE – SUCCESSFUL COMPLETION OF FARM EVALUATIONS AND NITROGEN MANAGEMENT PLAN SUMMARY REPORTS IN THE KAWEAH AND KERN COALITION AREAS

The Kaweah Basin Water Quality Association and Kern River Watershed Coalition Authority have successfully brought all members into compliance with respect to submission of 2016 Farm Evaluations and Nitrogen Management Plan Summaries. The information in these documents provides feedback to Board staff regarding current farming and nitrogen management practices implemented to protect surface water and groundwater quality. The coalitions have made significant efforts to contact and facilitate reporting by growers, and have developed digital reporting tools which members can use to submit their information. Board staff also worked diligently to reach out to Members who had not submitted reports. Communication with growers included tri-fold pamphlets explaining the Board's mission and the requirements of the Irrigated Lands Regulatory Program, outreach letters, and staff enforcement letters. The result of these combined efforts is the 100% submission rate for 2016 Farm Evaluation and NMP Summaries in the Kaweah and Kern coalitions.

2. *SITE CLEANUP- SUCCESSFULLY CLOSED – NO FURTHER ACTION REQUIRED*

Remediation of Hexavalent Chrome concluding at former Chrome Craft, 1819 23rd Street, Sacramento, Sacramento Co. Remediation of hexavalent chrome in shallow groundwater at this former chrome plating facility has included using MRC-X to treat chrome at the source area, and cheese whey to reduce hexavalent chromium to trivalent chromium in groundwater. Groundwater sampling in October 2017 indicates that total and hexavalent chromium at the toe of the plume has been reduced to 9 and 6 ug/L, respectively, which is below the water quality objective of 10 ug/L. Subsequent monitoring will determine if the site is ready for No Further Action. (AST)

Fact Sheets Distributed to Neighbors of Crop Production Services, Merced, 265 N. Arboleda Dr., Merced County. Downgradient neighbors of the Crop Production Services Merced (CPS) facility obtain water from on-site domestic wells. Primarily due to 1,2,3-TCP concentrations, between 2000 and 2008, CPS replaced many of the old wells with new wells extending into deeper aquifers. Central Valley Water Board staff provided fact sheets in English and Spanish advising that CPS will resample their water supply wells at no cost to them. (AST)

Final Record of Decision for Site SD008, Beale AFB, Yuba County

The Record of Decision (ROD) for Site SD008 at Beale Air Force Base has been finalized by the Air Force and State of California, represented by the Central Valley Water Board and Department of Toxic Substances Control. The ROD identifies no further action as the final remedy for soil and groundwater. Site SD008 is the Former J-57 Test Cell used as a test stand for jet aircraft engines. Sources of contamination include former aboveground storage tank spills and fuel and solvent spills near the jet engine test pads. Previous response actions for soil (soil vapor extraction and bioventing) and groundwater (air sparging) eliminated the need for further action under CERCLA. Low-threat case closure policy guidance in the Leaking Underground Fuel Tank program was used to address residual petroleum hydrocarbons in soil and groundwater. The site is considered suitable for unrestricted exposure and unlimited use upon completion of the ROD. [MWC]

Final Remedial Action Completion Report for Site SD011, Beale AFB, Yuba County

The Final Remedial Action Completion Report for Site SD011 (RACR) at Beale Air Force Base has been approved by the State of California, represented by the Central Valley Water Board and Department of Toxic Substances Control. Site SD011 is the Aerospace Ground Equipment maintenance area which includes Building 1225 and an active fueling station. Fuels were believed to have been released from leaking former underground storage tanks (USTs) and surface spills resulting in runoff to adjacent unpaved areas. Interim removal actions included soil excavation, bioventing, and soil vapor extraction (SVE). The RACR documents successful implementation of the final remedy, excavation of 57 cubic yards of lead-contaminated surface soil with off-site disposal. In addition, the former SVE and bioventing systems and associated wells and piping were decommissioned. With the completion of the remedy, the site is considered suitable for unlimited use

and unrestricted exposure. Groundwater beneath the site is being addressed separately as part of base-wide groundwater Site CG041. [MWC]

Final Remedial Action Completion Report for Site SS039, Beale AFB, Yuba County

The Final Remedial Action Completion Report for Site SS039 (RACR) at Beale Air Force Base has been approved by the State of California represented by the Central Valley Water Board and Department of Toxic Substances Control. Site SS039 is located in the Cantonment Area and covers an area of approximately 700 acres. The site originally consisted of Building 2145 (Air Combat Command Center), several nearby closed underground storage tanks, a former transformer and pad, and surrounding sanitary sewer and storm drain lines. The site was later expanded to include developed areas between A Street and C Street bounded by Doolittle Drive to the north and Gavin Mandery Drive to the south, as well as undeveloped areas east of A Street and west of C Street. Two VOC source areas were identified: Source Area 1 near the movie theater and Source Area 2 north of Building 2145. Source Area 1 is believed to be related to undocumented surface spills of chlorinated solvents while Source Area 2 represents solvents leaking from sewer or storm drain lines. Low levels of polycyclic aromatic hydrocarbons (PAHs) were identified in sediment from the ditch southwest of Building 2145; however, a site-specific risk management decision was made that no action is necessary based on their extent and risk to human health and the environment. Soil vapor extraction (SVE) was implemented in Source Area 2 to remediate chlorinated solvents in soil. Rebound sampling at the completion of SVE demonstrated that the site is protective for unlimited use and unrestricted exposure. Groundwater beneath the site is being addressed separately as part of base-wide groundwater Site CG041.

Former Cal Farm Supply, 2040 W. Washington Blvd., Stockton, San Joaquin Co.

Cal Farm Supply, a retail agricultural supply company, operated at this location between the 1940's and 1985. During that time fertilizers and pesticides spilled onto soil, and an underground fuel tank leaked benzene and other petroleum hydrocarbons to soil and groundwater. Remediation included excavation of about 127 tons soil containing DDT, toxaphene and other pesticides, disposal of trailers and drums containing product, crop uptake for removal of nitrate from soil, and excavation of the fuel tank and associated petroleum pollutants. On 26 February 2016, a conditional No Further Action letter was issued. The last monitoring well was destroyed in October 2017, and the former Cal Farm Supply received a No Further Action Effective date of 1 December 2017.

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. Investigation and remediation work, therefore, may be discontinued and no further action is required. This decision is generally based on site-specific information provided by the responsible party, and assumes that the information provided was accurate and representative of site conditions. Upon completion of corrective action, §2728(d)(2) of Title 23 of the California Code of Regulations requires public notification that corrective action has been completed and the regulatory agency does not intend to require additional investigation and cleanup. This document serves to provide public notification for the completion of corrective actions.

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

a) FRESNO OFFICE

Dick Anderson & Sons Farming, 15900 West Dorris Avenue, Huron, Fresno County

In November 2013, a 500-gallon concrete underground storage tank (UST), used to store waste oil, was removed from the Site under the oversight of the Fresno County Division of Environmental Health (FCDEH). Analytical results of soil samples collected from beneath the UST's former location (source area), detected evidence of a release of petroleum products from the UST. FCDEH referred the Site to the Central Valley Water Board on 1 August 2016.

Subsurface soil investigations were conducted in June and July 2015 and in March 2017 to assess the extent of the release, which is limited to soil within approximately 25 feet laterally from the former UST location between of

5 and 25 feet below ground surface (bgs). The volume of impacted soil is estimated to be approximately 1,150 cubic yards, and contains between 70,000 and 85,000 pounds of petroleum hydrocarbons.

The absence of detectable concentrations of petroleum product constituents at depths greater than 25 feet bgs, and the groundwater table at least 55 feet bgs, indicates a buffer zone between the contamination and groundwater of at least 30 feet. The contaminated soil does not contain sufficient mobile constituents to cause groundwater to exceed the water quality objectives and the case meets the criteria of the *Policy*. The case closure letter was posted on 13 December 2017.

Wilson Homes, 3600 North Leonard Avenue, Clovis, Fresno County

An underground storage tank (UST) that stored fuel for a wind machine was removed during December 2016. Gasoline constituents were detected in a soil sample collected beneath the UST. FCDEH referred the Site to the Central Valley Water Board on 25 January 2017.

Gasoline constituents were not detected to 25 feet below ground surface (bgs) in the five soil borings and benzene, ethylbenzene and naphthalene were not detected in soil gas samples during April and May 2017 investigations. A small quantity of gasoline may have been released when the UST system was operated or during removal activities.

The release at this Site has not affected groundwater. The case has been evaluated for closure based on the evidence presented in the investigation report, and qualifies for case closure based upon criteria in the *Policy*. The case closure letter was posted on 7 November 2017.

Quick Stop, 138 West Visalia Road, Farmersville, Tulare County

The Site is a mini-mart with an active fueling facility that includes one 10,000-gallon and one 5,000-gallon underground storage tanks (USTs), associated plumbing, and dispensers. An unauthorized release of petroleum products into the subsurface was suspected to have occurred on 25 September 2013 due to a product plumbing line leak. The leak was repaired the next day and the spilled fuel, which was contained in the overflow sump, was returned to the UST system.

Tulare County Environmental Health Services referred the case Central Valley Water Board on 22 June 2016. Quick Stop conducted a subsurface soil investigation in October 2016 and did not find evidence of a release. Staff evaluated the case based on the evidence presented in the investigation report, and it meets the criteria in the *Policy*. The Case closure letter was posted on 21 November 2017.

b) **REDDING OFFICE**

Atwals, 1920 B Street, Oroville, Butte County, Case No. 040280

On 22 December 2017, the Central Valley Water Board issued Cleanup and Abatement Order R5-2017-0707 (CAO) to EP11 LLC and Harinder and Kirandeep Atwal (Responsible Parties) for an unauthorized release of petroleum hydrocarbons associated with the underground storage tank (UST) system located at the site. Three gasoline USTs (10,000, 8,000, and 6,000 gallons) were installed in 1972 and remain in place. The site is currently abandoned. Investigation into the unauthorized release has been ongoing since 2006. The CAO requires the cleanup and abatement of the effects of pollution and nuisance originating at the site.

c) **SACRAMENTO OFFICE**

One to Residence Heating Oil Tank, 14 Randolph Street, Sutter Creek, Amador County

The Site is a single-family residence which historically contained a 500-gallon UST which stored heating oil. A UST leak was first suspected in the winter of 2016/2017 when product from the UST no longer burned properly, potentially due to groundwater leaking into the UST. On 12 April 2017, the resident's contractor excavated and removed the UST. The contractor collected one soil sample from beneath the UST and detected 4,500 milligrams per kilogram (mg/kg) diesel-range petroleum hydrocarbons (TPHd) and elevated concentrations of benzene, toluene, ethylbenzene, and xylenes. On 27 July 2017, the contractor excavated approximately 70 cubic yards of impacted soil from the Site. Groundwater was not encountered during excavation activities. The contractor collected six confirmation soil samples and detected TPHd (92.6 to 492 mg/kg) in four of the six confirmation

samples. No other constituents were detected. The contractor backfilled the pit with clean fill following sample collection. 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 27 October 2017.

C & L Cycle, 238 Saint Charles Street, San Andreas, Calaveras County

In February 1999, three 1,000 gallon USTs that were used to store gasoline were removed from the Site. Initial soil samples collected following removal of the USTs indicated that a release of petroleum hydrocarbons had occurred. Approximately 720 cubic feet of petroleum-impacted soil that contained about 60 pounds of petroleum was excavated and removed from the Site. Additional petroleum hydrocarbons have been removed by natural attenuation. While data indicate that petroleum hydrocarbons had impacted soil and groundwater beneath the tanks, groundwater sampling data show that the impact to groundwater is defined, stable and is expected to attenuate below established water quality objectives within a reasonable timeframe. The remaining petroleum constituents are unlikely to pose a threat to human health or impact waters of the State as they attenuate and Central Valley Water Board staff concurs with the responsible party's recommendation for regulatory closure in accordance with the *Policy*. This site was closed on 6 November 2017.

Shell #204-7525-0104, 6131 Pacific Avenue, Stockton, San Joaquin County

In March 1990, petroleum hydrocarbons were detected in soil samples and in June 1990, three underground storage tanks (USTs) were removed and replaced. Petroleum hydrocarbons were detected in soil samples collected during UST replacement. Dual phase extraction (DPE) removed approximately 2,743 pounds of vapor phase gasoline; approximately 37 pounds of vapor phase benzene; and approximately 2.5 pounds of vapor phase methyl tert butyl ether (MTBE). DPE also removed approximately 531,016 gallons of groundwater, which removed an additional 14 pounds of dissolved phase gasoline; 0.4 pound of dissolved phase benzene; and approximately 2.5 pounds of MTBE. A soil vapor extraction (SVE) system removed approximately 676 pounds of gasoline; 3.9 pounds of benzene; and 2 pounds of MTBE. The Site meets the general and site-specific criteria for case closure under the *Policy*, and groundwater is expected to reach drinking water standards in 25 years. The Site was closed on 12 October 2017.

Darrels Payless, 5769 Feather River Boulevard, Marysville, Yuba County

The Site was a gasoline service station from 1954 to 1991, and is currently an automotive repair and used automobile sales facility. In March 1992, the responsible party (Mr. Harris) removed one waste oil and three gasoline underground storage tanks (USTs), and associated dispensers; the canopy and station building remain. From 1992 through 1998, Yuba County Environmental Health Department (YCEHD) requested that Mr. Harris conduct soil and groundwater investigations. Mr. Harris began work in 2016 after YCEHD transferred the case to the Central Valley Water Board. Based on soil and grab groundwater data, Mr. Harris concluded and Central Valley Water Board staff concurred, that site conditions met the general and media specific criteria of the *Policy* for case closure. A no further action letter was issued 3 November 2017 for closure of this case.

Super Star Plus, 6351 Franklin Boulevard, Sacramento, Sacramento County

In January 1998, MTBE was detected at 14 ug/l in Fruitridge Vista Water Company (FVWC) Well 11 (destroyed June 2012), located approximately 450 feet southeast of the Site. In February 1999, the UST system was replaced during system renovations. During UST system removal, petroleum hydrocarbons were detected in soil samples collected beneath the dispensers, product piping lines, and former USTs. Subsequent investigation confirmed petroleum hydrocarbons in soil and groundwater underlying the Site. SVE removed approximately 7,200 pounds of vapor phase gasoline. A groundwater extraction and treatment system removed an estimated 2,600 pounds of gasoline and extracted and treated approximately 7,636,772 gallons of groundwater. An air sprage system operated from May 2009 to October 2009. The Site meets the general and site-specific criteria for case closure under the *Policy*, and groundwater is expected to reach drinking water standards in 22 years. The Site was closed on 17 November 2017.

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

Sacramento

- Recycling Industries Site, 4741 Watt Avenue, North Highlands

STAFF RECOGNITION

SUPERIOR ACCOMPLISHMENT AWARD

At the December 7-8, 2017 Board Meeting, Executive Officer Creedon, presented the Superior Accomplishment awards to the following staff:

Candidate: Anne Littlejohn
Unit: Planning Unit
Title: Senior Environmental Scientist
Supervisor: Jeanne Chilcott

Anne Littlejohn is the Senior of the Planning Unit in our Rancho Cordova Office and a dedicated, hardworking scientist who possesses the critical skills needed to work with diverse stakeholder groups on complicated projects and move toward innovative solutions. Recent examples include her efforts with the CV-SALTS Lower San Joaquin River Committee to develop salinity objectives for the river upstream of the Delta as well as a broader effort to develop a streamlined and transparent process to determine appropriate designation and level of protection for municipal and domestic supply beneficial uses in agriculturally dominated water bodies. These amendments were developed in an open and sometimes contentious stakeholder process--with a number of issues raised during the public comment periods. Anne worked with stakeholders and staff to revise proposed amendment language and supporting material to provide additional clarity and practicality to the recommendations. Her dedication to and support of both the stakeholder process as well as her staff's efforts resulted in these two key Basin Plan Amendments being adopted by the Board in August 2017.

While Anne has been spearheading the two Basin Plan Amendments, she has also been serving as the Program Manager of the Central Valley Surface Water Ambient Monitoring Program (SWAMP). Under Anne's direction, SWAMP has provided additional staff and laboratory resources to all three offices, streamlined the ability to collect ambient water quality samples and process resulting data through the use of Quality Assurance Project Plan templates and data entry macros, and expanded the scope of the Safe-to-Swim monitoring project while supporting verification monitoring for potential cyanobacteria hazardous algae blooms and public noticing. She has made the templates available to all staff to help streamline the development of other monitoring activities. Throughout these efforts, Anne maintains a positive working relationship with the stakeholders and staff, listens closely to their concerns and provides creative solutions for open discussion. She brings this same positive attitude to all of her day to day in-house activities which makes her a key contributor as well as a pleasure to have on any team effort.

Candidate: Charlene Herbst
Unit: Confined Animal Facilities Unit
Title: Engineering Geologist
Supervisor: Robert Busby

Charlene oversees the Confined Animal Facilities Unit of the Rancho Cordova Office of the Central Valley Water Board and is responsible for the work of five full-time staff and two Scientific Aides. Her unit consistently exceeds its assigned portion of the performance target for inspections for the Confined Animal Facilities Program. Her staff's inspections are comprehensive and thorough, including review of monitoring reports and nutrient management planning documentation as well as on-site observations.

Charlene's unit is responsible taking enforcement when violations are identified. Charlene reviews all outgoing Notices of Violation and oversees formal enforcement when necessary. Last winter, the Rancho Cordova office pursued formal enforcement for several incidences of discharges to surface water from dairies or feedlots that had not taken precautionary measures prior to the rainy season.

In addition, Charlene took the lead on drafting a new general order for poultry facilities. She arranged meetings with industry and environmental justice organizations while drafting the order, and composed written responses to comments, finalized the general order, and presented it at the Central Valley Water Board's December 2016 meeting.

More recently, Charlene drafted a new general order to permit bovine feedlots. This required an order of magnitude greater outreach to industry and environmental justice stakeholders and several more rounds of meetings than the poultry general order. Again, Charlene composed responses to the comments received and proposed several changes to the order prior to presenting at the June 2017 Board meeting.

Charlene is dedicated to the Board's mission and works hard to ensure that dairies and other confined animal facilities are in compliance with the law and protective of water quality. By maintaining the productivity of her unit as well as drafting the Poultry and Bovine General Orders, Charlene went beyond the normal expectation of a Senior Engineering Geologist. She dedicated considerable personal time and effort to ensure the orders were adopted. For this and for her continued hard work, Charlene is deserving of the Superior Accomplishment Award.

Candidate: Jachary Jarvie
Unit: Oil Fields Unit
Title: Engineering Geologist
Supervisor: Dale Harvey

Zachary works in the Regional Board Fresno office as an Engineering Geologist. He is currently in one of the Oil Fields Units, and is primarily tasked with evaluating and overseeing activities associated with historical and current produced water discharges into ponds. Zachary has recently reviewed Operator responses to approximately ten Cleanup and Abatement Orders. Zachary has also recently reviewed numerous Notice of Intents submitted by Operators who desire coverage under one of the three recently approved General Orders for the discharge of oil field waste waters into ponds. The Notice of Intents reviewed are associated with active discharges into numerous ponds in the Lost Hills, North Belridge, South Belridge, Midway-Sunset, Pyramid Hills, and Chico Martinez oil fields. Zachary also has completed a review of a closure plan for ponds in the Coalinga Oil Field. Letters and memorandums prepared by Zachary that document the reviews demonstrate complete and critical reviews, and a working knowledge of State Board Policies and the Water Code.

Zachary independently initiated and developed a checklist form that can be used by other staff to expedite the review of Notice of Intents. In addition Zachary has developed expertise associated with a GIS based mapping program and prepares maps that depict oil field features for others. Zachary consistently initiates and completes tasks. On an ongoing basis he applies his knowledge of geology and hydrogeology during his reviews. His exceptional positive attitude, demonstrated desire to learn, courteous and professional demeanor, and field experience, serve as a role model.

As a result of his superior performance, Zachary has made commendable contributions to the efforts associated with addressing water quality issues in the San Joaquin Valley.

Candidate: Heidi Bauer
Unit: Waste Discharge Requirements Unit
Title: Sanitary Engineering Associate
Supervisor: George Low

Heidi is a Sanitary Engineering Associate currently working in the Redding office's Waste Discharge Requirements Unit and is being recognized for her outstanding work performance. Heidi joined the Central Valley Water Board in 1999 and over the past eighteen years has worked in many of Board's program areas.

Heidi fills a unique role in the Redding office by serving as a case manager, county representative, contracts manager, and database coordinator. As a case manager, Heidi is responsible for permitting, compliance and enforcement of about 40 facilities. As the Board's representative to Glenn and Lassen Counties, she is responsible for reviewing and preparing responses to CEQA documents and responding to non-emergency complaints associated with activities originating from those counties.

In her role as Redding's contracts manager, Heidi takes a lead role in the development and execution of Redding's analytical laboratory and helicopter contracts. And finally, as database coordinator Heidi oversees consistency and quality control of CIWQS, SMARTS, and GEOTRACKER database entries and trains new staff to use applicable databases. To aid in these efforts, Heidi recently oversaw the development of a CIWQS user

manual for Redding office staff and assisted Rancho Cordova and Fresno staffs in developing CIWQS data entry procedures that will aid in providing better quality control of data throughout the region. Heidi does an excellent job balancing her work load and the various demands for her time while making key contributions to the WDR Unit, including General Order enrollments, conducting compliance inspections, and responding to complaints.

Heidi is a well-organized and detail oriented, she is able to prioritize all of her competing work commitments, and accomplishes it all as a 7/10th timebase employee. Heidi's knowledge, experience, 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 most appreciated.

EMPLOYEE OF THE MONTH

SACRAMENTO OFFICE DECEMBER 2017

Candidate: Terry Bechtel
Unit: Irrigated Lands Compliance & Outreach
Title: Environmental Scientist
Supervisor: Bob Ditto

Terry has acted as the lead inspector for a number of significant Irrigated Lands enforcement actions. Most recently, Terry helped develop two ACLs for non-reporting, which were successfully adopted by our Board in February 2017.

Terry's field investigation skills and coordination with DFG staff have also aided several Dairy discharge investigations. His strong knowledge of Central Valley drainage systems has especially aided Dairy and agricultural pollution discharge investigations.

In addition to Terry's field investigation activities, he has taken a lead role in representing the Water Board at agricultural meetings. During 2017, Terry provided six presentations to crop and pest control advisors, Fish and Wildlife cadets, fieldsmen, pesticide applicators, and growers, explaining the Irrigated Lands Regulatory Program and management practices to over 350 interested parties. He also helped develop a presentation for the Assistant Executive Officer to provide at the annual conference of the California Association of Pest Control Advisors.

Terry has used his previous agricultural experience, including working as a crop and pest control advisor, to establish an excellent rapport with the Coalition representatives and the grower community. He is a great asset for the Irrigated Lands Program and very worthy of the employee of the month award.

REDDING OFFICE DECEMBER 2017

Candidate: Cori Hansen
Unit: Forest Activities, Redding Office
Title: Environmental Scientist
Supervisor: Ben Letton

Cori Hansen is an Environmental Scientist working in the Forest Activities Program the Redding. Cori brings a diverse background in biological science and range management to her work for the Central Valley Water Board.

In addition to her day-to-day responsibilities reviewing and ensuring permit compliance on Timber Harvest Plans (THP) in Butte County and projects on the Lassen National Forest, she has taken the lead role in the development of a region-wide Federal NPS permit with the USFS and BLM. Cori has been able to utilize her impressive organizational and communication skills to provide clear direction and focus to a multi-faceted and complex project. To that end, she took the lead role in organizing six stakeholder outreach meetings at various

locations in the Central Valley Region and the Lahontan Region between October and December 2017 as part of the initial outreach effort for the Federal NPS permit.

Cori has also taken the lead role as Region 5 coordinator for the Timber Regulation and Forest Restoration Fund grants; a grant program established through recent passage of AB 1492. She has been instrumental in coordinating efforts between our regional staff, and Division of Water Quality and Department of Financial Assistant at State Board, in all aspects of the this new grant program: reviewing grant guidelines, developing project ideas during scoping, reviewing project applications, developing Scope of Work documents with applicants for contract, executing contracts, and reviewing invoices. Cori has become the “go to” staff person in the Region for questions about this grant program.

On a day-to-day basis, Cori brings a “can do” attitude to all aspects of our work and challenging situations. She is a leader by example and has gained the respect and credibility of her peers and management. Cori also understands the value of personal relationships at work and makes every effort to provide appreciation and recognition to her peers, both for work related achievements, and for achievements outside of work.

FRESNO OFFICE DECEMBER 2017

Candidate: Henry Jones
Unit: Irrigated Lands Regulatory Program
Title: Engineering Geologist
Supervisor: David Sholes

Henry is a professional geologist and has worked in the Fresno office for a little over a year. He oversees the work of the Irrigated Lands Regulatory Program in Kern County. Prior to his work here, Henry gained valuable experience as an Engineering Geologist in Region 4 and in private industry. Henry’s experience and professionalism have had immediate benefits as he has undertaken many complex projects within the unit. Henry’s recent work includes review of the Kern Coalition’s Comprehensive Groundwater Quality Management Plan, a Surface Water Management Plan for Chanac Creek in Kern County, and review of the Kern Coalition’s Groundwater Trend Monitoring Work Plan. Henry also organized and conducted 85 inspections in Kern County, resulting in 76 Water Code section 13260 directives and 27 Notices of Violation for non-enrollment under the Irrigated Lands Regulatory Program.

Henry patiently and politely responds to the public in meetings, and through the many telephone calls and e-mails generated by inspections and directives. He is a mentor to newer staff in the unit and is always willing to contribute during technical discussions or in the completion of mundane tasks such as preparing scores of certified letters on time for the mail. Henry’s experience, consistent hard work, and excellent professional judgement are valuable assets for the unit and the Fresno office.

ENFORCEMENT

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

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

Fish Kill in Mammoth Pool Reservoir, Fresno/Madera County

On 17 October 2017, the California Department of Fish and Wildlife (CDFW) received a report describing Mammoth Pool Reservoir as a "clay and mud filled hole" with dead or dying fish around the lake. CDFW reconnaissance surveys at the reservoir on 17 and 20 October confirmed dissolved oxygen conditions below the minimum necessary for salmonids to survive. Only a small number of dead fish were observed, but eagles and ospreys were actively scavenging in the reservoir during the survey and bear tracks were noticed along the shoreline where dead fish were observed. Monitoring results indicate that dissolved oxygen Mammoth Pool Reservoir violated Basin Plan section III-4.01 and Clean Water Act Section 401 when the reservoir was lowered to install staff gages for the Mammoth Pool Reservoir Staff Gage Installation Project. The Project was conducted by Southern California Edison under a 401 certification issued by the State Water Resources Control Board Executive Director. Central Valley Water Board staff coordinated with CDFW and is preparing a notice of violation for 401-cert violations preparatory to consideration of further enforcement action.

Cannabis Compliance and Enforcement

In November 2017, six Notices of Violation (NOVs) were issued for actual or threatened discharges of waste associated with cannabis cultivation. In December 2017, a Staff Enforcement Letter was issued to a discharger, enrolled in Region 5's Cannabis General Order, for expansion of the enrolled cannabis cultivation Site without notifying the Central Valley Water Board. The discharger has since provided the necessary documentation.

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

Enforcement Table 1 – Region 5 Enforcement Orders (8 November 2017 through 3 January 2018)

Date	Agency	County	Notes
11/22/2017	SPX Corporation	San Joaquin	Administrative Civil Liability (ACL) Complaint R5-2017-0529 in the amount of \$27,000 addresses effluent mandatory minimum penalty (MMP) violations that occurred during the period from 1 January 2014 through 30 June 2017. The Discharger waived their rights to hearing or settlement negotiation and will pay the penalty as cited in the ACL Complaint.
11/28/2017	El Dorado Irrigation District	El Dorado	Settlement Agreement and Stipulation for Entry of Administrative Civil Liability Order (Stipulated Order or Order) R5-2017-0541 in the amount of \$39,092. The Stipulated Order alleges two categories of violations; 1) discharges of chlorinated water and 2) failure to properly document and report the spills.
12/8/2017	Original Sixteen to One Mine, Inc.	Sierra	ACL Order R5-2017-0115--replacing ACL Complaint R5-2017-0549--was adopted by the Board in the amount of \$33,000 for MMP effluent limitation violations that occurred between 1 October 2015 and 31 December 2016. The Complaint alleges one arsenic, two total suspended solids, one cadmium, one iron, four antimony, one nickel, and two copper violations.
12/13/2017	Heavenly Mountain Resort	Alpine	Stipulated Order R5-2017-0540 settled in the amount of \$754,732 for discharging asphalt grindings into waters of the United States without first filing a report of waste discharge or obtaining a Section 404 permit.

3) 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 34% of all the enforcement actions tracked in CIWQS during this period including 21% of all NOV's and 22% of all ACLs.

Enforcement Table 2 – Statewide Enforcement Actions (8 November 2017 through 3 January 2018)

Region	VER	SEL	NOV	NNC	NTC	TSO	EPL	ACL	Total
1	0	0	2	0	0	0	0	0	2
2	0	1	0	0	0	0	0	3	4
3	0	9	16	0	0	0	4	0	29
4	0	0	130	11	3	2	11	7	164
5F	1	1	12	0	0	0	0	0	14
5R	2	0	5	0	0	0	0	0	7
5S	0	0	24	134	0	0	0	4	162
RB5 Total	3	1	41	134	0	0	0	4	183
6	1	2	1	106	0	0	0	0	110
7	0	2	0	0	0	0	0	1	3
8	6	2	1	21	0	0	0	3	33
9	0	4	1	0	0	0	0	0	5
Total	10	21	192	272	3	2	15	18	533
Enforcement Actions:									
VER = Verbal Communication					NTC = Notice to Comply				
SEL = Staff Enforcement Letter					TSO = Time Schedule Order				
NOV = Notice of Violation					EPL = Expedited Payment Letter				
NNC = Notice of Non-Compliance (Stormwater)					ACL = Administrative Civil Liability				

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.

Below is the Region 5 Performance Measurement Summary for the 2017-18 fiscal year. This report was produced with data through 51% of the current fiscal year.						
Region 5 Performance Measurement Summary from 1 July 2017 through 4 January 2018						
Programs	Original Target	* Actuals: Permits or Facilities Inspected	% Complete = Actuals/Original Target	Revised Target	** Total # of Inspections Performed	Comments
NPDES Wastewater						
Major Individual Permits Issued, Revised, and Renewed	9	3	33%	n/a	n/a	It is anticipated that the target will be met.
Major Individual Facilities Inspected	27	10	37%	n/a	13	It is anticipated that the target will be met.
Minor Individual Permits Issued, Revised, and Renewed	8	4	50%	n/a	n/a	
Minor Individual Facilities Inspected	6	3	50%	n/a	3	
Minor General Enrollees Facilities Inspected	0	0	N/A	n/a	0	
Waste Discharge to Land – Wastewater						
Municipal Waste, Industrial Waste, and All Other Facilities - Permits Past Review Date Updated	25	12	48%	n/a	n/a	
Municipal Waste, Industrial Waste, and All Other Facilities - Number of Inspections	170	109	69%	n/a	117	The inspection target is reflective of the previous fiscal year's number of inspections conducted. RB Staff are exceeding inspection goals so far to date and the target may need to be modified accordingly.
Land Disposal						
Landfills Permits Issued, Revised, and Renewed	11	2	18%	n/a	n/a	Several permits are in the process of being completed.
Landfill Inspections	93	65	75%	n/a	70	The inspection target is reflective of the previous fiscal year's number of inspections conducted. RB Staff are exceeding inspection goals so far to date and the target may need to be modified accordingly.
All Other Permits Issued, Revised, and Renewed	2	1	50%	n/a	n/a	Enrollees in the Composting General Order (WQ-2015-0121) were inadvertently included in the performance report in the draft update. Those entries have been omitted for this revised report. The target facilities are two sites in the Mines program.
All Other Inspections	26	23	96%	n/a	25	The inspection target is reflective of the previous fiscal year's number of inspections conducted. RB Staff are exceeding inspection goals so far to date and the target may need to be modified accordingly.
NPDES Storm Water						
Stormwater Construction Inspections	385	156	45%	n/a	175	
Stormwater Industrial Inspections	195	96	50%	n/a	97	
Stormwater Municipal Inspections	0	1	N/A	n/a	1	
Other Programs						
Forest Activities Inspections	166	50	31%	n/a	51	Staff vacancies and CALFIRE being diverted to ongoing fires resulted in lower than anticipated inspection totals.
Confined Animal Facility Inspections	325	94	30%	n/a	99	
Clean Up						
New DoD Sites Into Active Remediation	9	3	33%	n/a	n/a	
New SCP Sites Into Active Remediation	80	15	19%	n/a	n/a	
Cleanup Program Sites Closed	64	18	28%	n/a	n/a	
New UST Sites Into Active Remediation	29	15	52%	n/a	n/a	
Underground Storage Tank Sites Closed	80	51	64%	n/a	n/a	
* Actuals: Number of facilities inspected or permits issued.						
** Total #: Number of inspections completed including all reinspections.						

SANITARY SEWER OVERFLOWS, COMPLAINTS AND SPILLS

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

There was one SSO event in excess of 50,000-gallons in the month of October 2017.

Delhi County Water District, Delhi County Water District Collection System, Merced County

On 6 October 2017, Central Valley Regional Water Quality Control Board (Central Valley Water Board) staff received a CalOES Report, filed by Delhi County Water District (Delhi CWD) describing a spill of less than 1,000 gallons of raw sewage from the Delhi CWD Collection System (Delhi CWD CS) sewer force main at a break near Sycamore Street and Second Avenue. Delhi CWD staff notified Central Valley Water Board staff that the spill and was ongoing and was less than 2,000 gallons. The Delhi CWD CS, which is owned and operated by the Delhi CWD, is regulated under Waste Discharge Requirements (WDRs) Water Quality Order No. 2006-0003-DWQ (Sanitary Sewer Systems WDRs). Central Valley Water Board staff reviewed the certified report submitted to the California Integrated Water Quality System (CIWQS) database regarding the above-referenced Category 2 Sanitary Sewer Overflow (SSO).

Subsequently, on 12 October 2017, Delhi CWD staff notified Central Valley Water Board staff that the Delhi CWD had completed temporary repairs to the sewer force main. Some leakage, estimated to be less than one gallon per minute, persisted because pipeline scoring extended beyond the limits of the compression clamps use for the repair. According to Delhi CWD staff evidence gathered while preparing for the sewer main repairs indicates the SSO was caused by a horizontal drilling bit striking the sewer force main, and that such work was reportedly completed in this area for a communication line installation between two and five years ago. The Delhi CWD revised the spill volume to 475,000 gallons in the CIWQS database. Delhi CWD staff estimated that vacuum trucks recovered 165,000 gallons and returned it to the sewer system, for a net spill volume of 310, 000 gallons. Central Valley Water Board staff issued a Notice of Violation for the spill on 5 January 2018.

On 5 January 2018 Central Valley Regional Board staff issued a Notice of Violation (NOV) for five violations of prohibitions of Sanitary Sewer Systems WDRs. The Delhi CWD must submit a report of additional steps taken to: repair the sewer main, mitigate releases, and permanently repair the sewer force main.

For this reporting period, there were **102** total SSO spills: **3** Category 1, **6** Category 2, and **95** 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/ss0/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 **382** complaints from phone calls, emails, and from the CalEPA Complaint database (<https://calepacomplaints.secure.force.com/complaints/>). To date, **332 (87%)** complaints have been investigated and closed, or referred to another environmental enforcement agency. Investigations for the remaining **50** 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). Funds from the Cleanup and Abatement Account and Delta dischargers subject to the Delta Mercury Control Program support these efforts. The goal of the Delta MERP is to protect public health by reducing exposure to methylmercury in fish caught in the Delta.

The MERP Steering Committee meets bi-monthly to coordinate the implementation of various components in the 2017 Activity Plan. Posting of the new advisory signs developed by MERP for the Delta is currently underway. MERP staff and volunteers posted over 45 signs at various locations in the Delta. Staff is currently coordinating with stakeholders who will be responsible for maintaining some of the sign-posting locations.

On 2 January 2018, an "Eat Fish Safely" training for Women Infant and Children (WIC) program participants began in Contra Costa County. This training will be highly effective in reaching many in the community most at risk. For the training, California Indian Environmental Alliance (CIEA) provided over 5,000 copies of the "Eat Fish Safely" brochure to the WIC director and staff to share with women and children over the next year in focused classes about mercury exposure. A previous October 2017 MERP-funded training taught key staff in each of the four WIC clinics located in several counties who then returned to their respective clinic and trained additional WIC staff.

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

Planning for the "Data Assessment Framework" Workshop took place on December 11, 2017. The State Water Board's Office of Information Management and Analysis (OIMA) will be hosting this workshop in the near future to develop common ground between stakeholders and draft a process for data interpretation and utilization for Delta RMP monitoring.

The Technical Advisory Committee (TAC) met on 12 December 2017 to discuss revisions to the draft Year 1 Pesticides Data Report: *Annual Monitoring Report FY 2015/16 – Pesticides*. The next Pesticide Subcommittee will utilize a new decision matrix and prioritization criteria for evaluating this year's current use pesticides and toxicity monitoring proposals in the next few months to plan FY 2018/19 Pesticide monitoring.

The Technical Advisory Committee recommended two Nutrient Synthesis Reports for final Steering Committee approval at the next meeting on 23 January 2018. The Aquatic Science Center (ASC) prepared the two reports titled:

Task 1 - Assessment of Nutrient Status and Trends in the Delta in 2001–2016: Effects of Drought on Ambient Concentrations and Trends

Task 2 - Delta RMP FY 2016–17 Nutrients Synthesis: Modeling to Assist Identification of Temporal and Spatial Data Gaps for Nutrient Monitoring

3. **Delta Nutrient Research Plan**

White papers on topics of nutrients and low levels of beneficial phytoplankton, harmful algal blooms, non-native aquatic plant growth, and drinking water issues, as well as effective approaches to computer modeling of nutrients have been completed. Staff and a Stakeholder and Technical Advisory Group (STAG) are reviewing the white papers and knowledge gaps reports and have made available a prioritized list of research and modeling recommendations.

Staff is preparing the Delta Nutrient Research Plan for stakeholder review. Release of a draft is planned in January 2018.

The next STAG meeting is 18 January 2018. The Delta Regional Monitoring Program's Nutrients Subcommittee will meet after the STAG on the same day. The RMP Nutrients Subcommittee will be

developing project ideas for FY18/19 that support the Delta Nutrient Research Plan. Adjacent meetings will allow for closer coordination of the two groups.

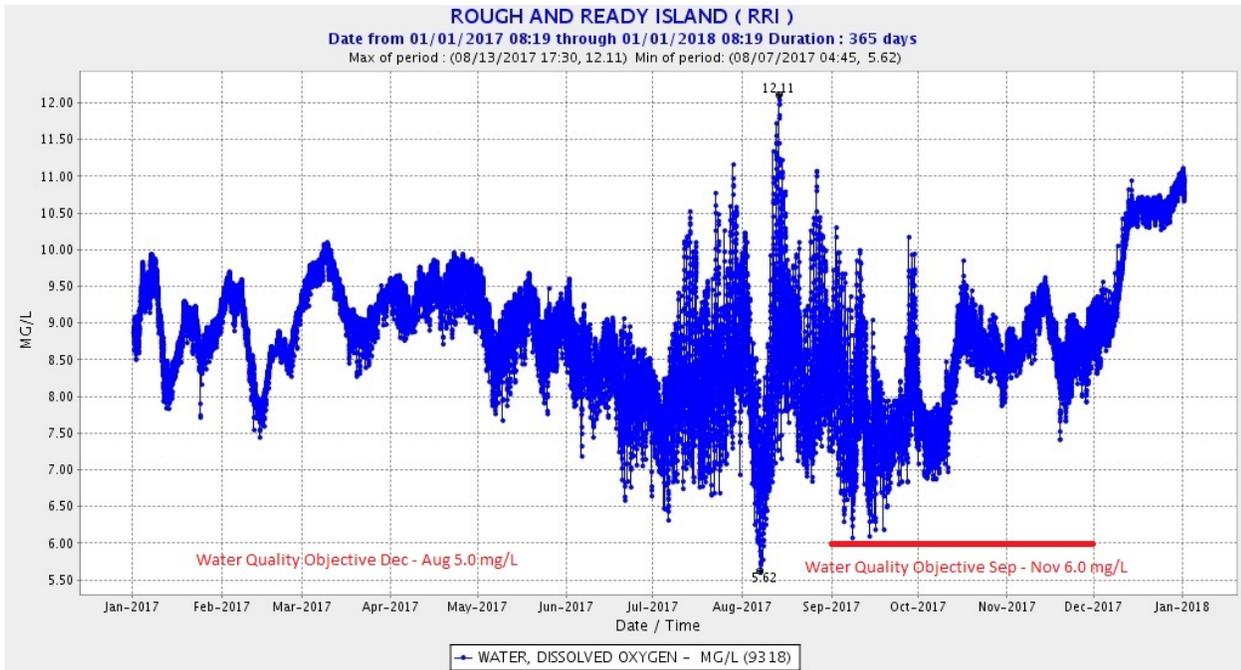
Project information, including meeting materials, white papers, knowledge gap reports, and the November 2016 Nutrients and Phytoplankton workshop video are available on the Delta Nutrient Research Plan website: https://www.waterboards.ca.gov/centralvalley/water_issues/delta_water_quality/delta_nutrient_research_plan/

4. **San Joaquin River Dissolved Oxygen TMDL Implementation – Aeration Facility 2017 Summary**

Dissolved oxygen and other water quality parameters in the Stockton Deep Water Ship Channel (DWSC) (dredged portion of the San Joaquin River) are measured at three depths below the surface (1-meter, 3-meters and 6-meters) at the Department of Water Resources Rough and Ready Island water quality monitoring station. The DWSC historically had a low dissolved oxygen impairment, and a TMDL control program was adopted in 2005. Since 2011, the Port of Stockton has operated an aeration device located on Rough & Ready Island that increases dissolved oxygen concentrations in the river when dissolved oxygen concentrations are expected to fall below the dissolved oxygen water quality objective. Stakeholders of the San Joaquin River Dissolved Oxygen TMDL Control Program operate the aeration device under a voluntary aeration agreement. In June 2017, the stakeholders amended the agreement extending the funding and operation of the aeration facility from May 31, 2017 to May 31, 2019.

To determine when to operate the aerator, the Port of Stockton evaluates numerous factors such as the flow in the river, upstream water quality conditions, weather conditions, and current dissolved oxygen measurements in the channel. In 2017, there were two occurrences where the aeration facility was operated: from September 8-12 and September 14-17. It was later determined that some of the low dissolved oxygen readings that triggered aeration were a result of a fault in measurements from the primary 1 meter surface sonde (water quality monitoring device). Data from a back-up surface sonde were used and the data shown on the website were corrected back to September 5. The revised data indicated that dissolved oxygen concentrations were higher than previously shown and aerator operations were not necessary during 2017, likely due in part to high San Joaquin River flows during the year.

The figure below shows the dissolved oxygen concentrations measured every 15 minutes at the 1-meter depth station at Rough and Ready Island January through December. The water quality objective is 5 mg/L December through August and 6 mg/L September through November. The dissolved oxygen concentrations at 1-meter depth are similar to those measured at the 3-meters and 6-meters depth, although the 6-meters depth water quality sonde did record three separate 15 minute measurements below the 6.0 mg/L objective in mid-September, which were the only excursions measured in 2017.



For more information on the San Joaquin River Dissolved Oxygen TMDL Control Program:
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, the State Water Board released a notice of opportunity to comment for the proposed State Water Board approval of the Central Valley Pyrethroids TMDL and Basin Plan Amendment, which was adopted by the Central Valley Water Board on 8 June. The State Water Board's comment period ended on 2 November and seven comment letters were received. The notice and comment letters are available at https://www.waterboards.ca.gov/public_notices/comments/

The State Water Board is expected to consider approval of this Basin Plan Amendment in March or April 2017. The timing of State Water Board consideration of this item is being coordinated with the timing for State Water Board consideration of the Central Coast Water Board's Lower Salinas River Watershed Sediment Toxicity and Pyrethroids in Sediment TMDLs so that the State Water Board can consider approval of both of these items at the same meeting.

2. 2018 Integrated Report

The Integrated Report includes surface water quality data assessments and Clean Water Act Section 303(d) listing recommendations (identification of impaired water bodies). The "Notice of Public Solicitation of Water Quality Data and Information for the 2018 California Integrated Report – Clean Water Act Sections 305(b) and 303(d)" was released on 3 November 2016. The solicitation period closed 3 May 2017. Staff will release their initial evaluation of the submitted data in 2018. Any data submitted after May 3rd will be considered in the 2020 cycle assessments. The current 2014 Integrated Report for the Central Valley Region was approved by the State Water Board on 3 October 2017 and is available at the following website: https://www.waterboards.ca.gov/water_issues/programs/tmdl/integrated2014_2016.shtml

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-snmp/final-snmp.html>

Staff is continuing to work internally with Program Managers and externally with CV-SALTS stakeholders to draft Basin Plan amendment language and identify any additional environmental, economic and/or anti-degradation documentation needed for the recommended policies, strategies and guidance. Initial drafts of the proposed amendment are available and will be discussed at a public workshop scheduled for 19 January 2018. Workshop information has been posted at:

https://www.waterboards.ca.gov/centralvalley/water_issues/salinity/#jan2018

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 to approve the BPA was held on 9 January 2018 with one late change to the Resolution. The State Board unanimously approved the Basin Plan Amendment.

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

A brief summary of all CV-SALTS technical projects can be found under the CV-SALTS website at:

<http://www.cvsalinity.org/index.php/committees/technical-advisory/technical-projects-index.html>

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. A State Board hearing to approve the BPA is tentatively scheduled for 20 February 2018.

More information on the project can be found at:

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

Dedesignation of Municipal and Domestic Supply (MUN) and Agricultural Supply (AGR) Beneficial Uses in a Discrete Portion of the Tulare Lake Bed Groundwater Basin

On 26 December 2017, the Office of Administrative Law approved the Basin Plan Amendment adopted by the Central Valley Water Board to dedesignate MUN and AGR in a vertically and horizontally defined portion of the Tulare Lake Bed groundwater basin. The amendment is now in effect.

More information on the project can be found at:

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

CV-SALTS Meeting Participation

On 14 December, Pamela Creedon, Patrick Pulupa, Anne Littlejohn and Glenn Meeks participated in the CV-SALTS Executive Committee meeting. Discussions focused on the latest, revised, draft basin plan amendment language for the Salt Management Strategy, the Nitrate Permitting Strategy, and the Conditional Prohibition for the Salt and Nitrate Control Program.

On 3 January, Jeanne Chilcott, Patrick Pulupa and Anne Littlejohn participated in a CV-SALTS Executive Committee Administration conference call meeting. Discussions focused on the draft basin plan language that was released to the public for the 19 January 2018 CV-SALTS workshop and agenda planning for the workshop.

2. **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 4 December 2017. Nigel Quinn representing USBR provided a summary of RTMP activity including monitoring stations, telemetry, and progress made in outreach to water agencies. Elwood Raley, with USBR, provided a data summary of the Annual MAA Monitoring Report.

NPDES

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 31 December 2017.

NPDES Table 1

Facility	General NPDES Permit Number	General Permit Name
Carson Hill Gold Mine Project	R5-2016-0076-014	General Waste Discharge Requirements/NPDES Permit for Limited Threat Discharges to Surface Waters
Recology Hay Road Landfill Dewatering Project	R5-2016-0076-012	
Ice House Reservoir Auxiliary Dam Project	R5-2016-0076-013	
Contra Costa Communities, LLC; Gilbert Property Construction Dewatering Project	R5-2016-0076-017	
Dutch Slough Tidal Marsh Restoration Project	R5-2016-0076-023	

DAIRIES/CONFINED ANIMAL FACILITIES

1. Poultry General Order

The Central Valley Water Board adopted the Waste Discharge Requirements General Order for Poultry Operations (Poultry General Order) at the December 2016 Board Meeting. The Order applies to poultry facilities that operate with at least 2 Animal Units worth of birds, where 1 Animal Unit equals 1,000 pounds of live poultry. The Order required existing poultry facilities within the Central Valley to submit a Notice of Intent (NOI) by December 2017 as application for regulatory coverage under the Poultry General Order. Staff have received approximately 170 NOIs, which staff are reviewing for completeness and adequacy. Staff intend to issue Notices of Applicability (NOAs) to applicants notifying them of their obligation to comply with the terms and conditions of the Order. Staff will also be implementing outreach efforts to stimulate compliance among all eligible facilities to enroll under the Order and, if necessary, pursue enforcement.

2. Dairy Inspections

Staff has completed approximately 100 dairy inspections for FY 2017/18, which is on track to meet our performance target.

OIL FIELDS

1. Waste Water Surface Ponds

Oil Field staff continue to work with dischargers of produced waste water to generate adequate Notices of Intent (NOIs) for coverage by one of the General Orders for Oil field Discharges to Land. Staff are also reviewing and responding to monitoring reports for facilities with monitoring and reporting programs. Some operators have started closure actions while we work with other operators to develop satisfactory closure plans. Oil Field staff are on track to meet work plan commitments for field inspections. Staff has responded to spills reported by the Office of Emergency Services and has conducted routine compliance inspections.

2. Spill Response

Central Valley Water Board staff responds to oil field spills and upsets reported to the Office of Emergency Services (OES). Three significant events occurred in November and December.

- A spill of crude oil and oil field produced wastewater into a dry stream bed occurred on the ACA Fee Lease operated by Chevron USA, Inc., in the Kern River Oil Field on 10 November 2017. Reportedly, a pipeline failure caused the discharge of approximately 1.1 barrels (bbls) of crude oil and 1 bbl of oil field produced wastewater into the affected dry stream bed. On 16 November 2017, staff inspected the spill site and observed the post-cleanup conditions of the affected stream bed.
- A spill of crude oil and brine water into what appeared to be a dry stream bed occurred on the Section 6SF Lease operated by Chevron USA, Inc., in the Midway Sunset Oil Field on 7 December 2017. Reportedly, a pipeline leak caused the discharge of approximately 37 bbls of crude oil and 37 bbls of brine into the affected areas. On 8 December 2017, staff inspected the spill site and observed in-progress cleanup activities of the affected areas. A week later, staff followed up with Chevron USA, Inc., staff who stated that all affected materials have been removed and properly disposed of, and that cleanup was complete.
- A spill of crude oil into a section of what appeared to be a fragmented dry stream bed occurred on the Pan Fee Lease operated by Berry Petroleum Company, LLC, in North Midway Sunset Oil Field on 27 December 2017. Reportedly, a leak in an underground shipping pipeline caused the discharge of approximately 112 bbls of crude oil into the affected area. Staff inspected the spill site on 3 January 2017 and observed that cleanup activities were still in progress. Staff will follow up with Berry Petroleum Company, LLC staff regarding the progress of cleanup or conduct a post-cleanup inspection when cleanup is complete.

Staff is considering appropriate enforcement for the spills.

3. UIC Program

During the period from 14 November 2017 through 3 January 2018, Underground Injection Control Unit staff have completed the following. Staff followed up with one operator regarding an information Order (13267 Order). The Orders were issued to oil field operators requesting technical reports on injection well(s) that have potentially been injecting Class II fluids produced by oil or gas extraction activities into an aquifer that may not have been properly designated as an exempt aquifer under the federal Safe Drinking Water Act. The 13267 Orders require operators to either provide specific technical information, or to provide technical justification that their injection well(s) is injecting into an exempted aquifer/zone and therefore should not receive a 13267 Order

Staff have participated in discussions with State Board staff, staff of the Division of Oil Gas and Geothermal Resources (Division), and oil field operators regarding the concurrence of four Aquifer Exemption applications (Mount Poso, Midway Sunset (Tulare formation), Midway Sunset (lower formations), Kern Front, and Jacalitos-Coalinga).

Meetings have been held with staff and the Division to develop a process to address Underground Injection Control (UIC), injection projects within the Central Valley Region. Staff collaborated with State Board in the approval of a UIC project in the Fruitvale oil field. Staff completed reviews of three injection projects (Round Mountain, Buena Vista Nose, and Midway Sunset), and provided the Division with memoranda regarding the projects. Staff are currently reviewing UIC projects submitted to the Division for waste water disposal into a portions of the Plieto, Mount Poso, Coalinga East, Sutter City, Midway Sunset, Poso Creek, Edison oil fields, and have provided the Division with questions for three of these (Midway Sunset, Mount Poso, and Sutter City).

Staff will be interviewing to add another Water Resource Control Engineer to the UIC Unit.

4. Senate Bill 4 (SB-4) Program

Since the last Executive Officer's Report, staff have completed two SB4 Well Stimulation Treatment (WST) Application reviews, and submitted written comments to the State Board. One WST Application package was for the Buena Vista Nose Area in Kern County. The other WST Application package reviewed was for a proposed well stimulation in the Kettleman City area in Kings County. Two WST Application packages are under review.

Staff completed two groundwater monitoring plan addendum reviews. These plans are associated with planned well stimulations in the South Belridge Oil Field and in the Buena Vista Nose area. Staff are overseeing 300-foot deep borehole drilling activities associated with the identification of groundwater and installation of monitoring wells in the alluvium in the Dow Chanselor Lease in the North and South Belridge Oil Fields.

Two new Engineering Geologists have been hired for the SB-4 Unit, and staff is working to fill two additional vacancies opened up by attrition.

5. Food Safety

On 28 December 2017, Board taff issued 13267 Orders to dischargers who provide produced water for irrigation. Under the Orders, dischargers are required to submit information on chemical additives used in oil production. Responses submitted under the 13267 Orders are required to include information on all additives and their constituents, including those considered a trade secret. Assembly Bill 1328, which went into effect 1 January 2018, gives the Board the ability to require the submission of chemical additives information regardless of trade secret claims.

During December 2017, staff met with dischargers to discuss the final details of the Scopes of Work (SOWs) for tasks that will be completed under the Memorandum of Understanding (MOU). Once the MOU and SOWs are finalized, a third party consultant will conduct a series of studies related to the Food Safety Project.

The next public meeting of the Food Safety Expert Panel will be held 20 January24, 2018. Staff are working with the Board's science advisor to complete a report on crop analyses. Results of the analysis will be presented during the January meeting. Staff are also working to prepare for the meeting and conduct public outreach.

GROUND WATER 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 is scheduled for 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. 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

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

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

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

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

Action 6.4.5 Well Design and Destruction (Abandonment) Program. Staff has reviewed and evaluated county well ordinances. Personnel at county agencies (health departments) have been contacted to determine the specific methods currently used to oversee and enforce well standards. Staff has completed a draft report, currently

under management review, that summarizes those tools and methods of well standards enforcement and addresses potential issues with some of the current well standards.

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

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

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

Action 6.5.3 Reduce Site Cleanup backlog. The goal of this action is to reduce the number of inactive cases (i.e., the case backlog) in the Site Cleanup Program, which originally had 791 backlog cases. During the 2017/2018 fiscal year, 60 open, inactive cases have been reviewed. Of these, 56 were eliminated from the backlog. Of the cases reviewed, 4 need additional staff time and effort on the responsible parties part to resolve. Since the backlog reduction project began, all 791 backlog cases have been initially reviewed with 569 being eliminated from the backlog, and about 222 identified as requiring additional resources. Of these remaining 222 Open Inactive Cleanup Program Sites, 49 cases have been assigned to staff who are working on activating the cases.

Action 6.5.4(c) Reduce backlog of existing Waste Discharge Requirements (WDRs) to be updated and new WDRs to be developed.

Staff is continuing to enroll dischargers into the state-wide Small Volume Domestic Order and include rescissions of old WDRs into regular Central Valley Water Board meeting agendas. The State Water Board updated the state-wide general order for water recycling in June 2016. Regional Water Board staff has notified the individuals enrolled in the previous, 2014 general order and enrolled them in the new order. The new general order is a useful tool to encourage water recycling.

State Water Board staff has targeted two additional general orders for consideration (a Winery General Order and an Aggregate General Order). Region 5 staff is involved directly with the development of these general orders. Development of these orders is expected to reduce the number of backlogged applications, but is also expected to speed up the processing of applications for WDRs from new or expanding facilities. Regional Water Board staff is beginning the process of developing general orders for domestic wastewater treatment facilities that discharge more than 100,000 gallons per day, nut hulling facilities, and canned and frozen food processors and working with the industry representatives for consideration of draft 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 Central Valley LAMPs by the OWTS Policy deadline, and one late submittal. Staff are also responsible for reviews of 8 LAMPs that partly extend into the Central Valley, but under external Regions' jurisdictions. The Redding, Rancho Cordova, and Fresno Offices are coordinating reviews in detail. The OWTS Policy has a 13 May 2017 deadline for Regional Board LAMP approvals. Staff have reviewed all 30 LAMPs and resolved issues with local environmental health directors. Two remaining LAMPs are incomplete; we await revised versions. Staff have reviewed 6 of 8 LAMPs from external Regions; we await requests for reviews on the remainder. Prior to public noticing and recommendations to the Central Valley Water Board for consideration, staff request Local Agencies to gain their Board of Supervisors' approvals, and related new code adoptions. The Water Board has subsequently approved 24 LAMPs, 80% of our jurisdictional total. Of these, the Water Board approved 16 LAMPs by the Policy deadline, 53% of our total. Local Agencies that lack Regional Board LAMP approvals by 13 May 2018 will regulate either under OWTS Policy Tier 1 (generally more conservative than a LAMP) or local codes, whichever is more stringent. Staff regularly update progress on the following webpage:

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

CANNABIS PROGRAM

To date approximately 730 cannabis cultivators have applied for coverage under General Order No. R5-2015-0113, which was adopted on 2 October 2015. Staff have reviewed and approved enrollment for approximately 718 of those applications. Table 1 provides a summary of the active enrollments to date.

Table 1

County	Tier 1 Enrollment	Tier 2 Enrollment	Tier 3 Enrollment	Total Active Enrollments
Calaveras	216	263	61	540
Yolo	25	40	28	93
Lake	31	26	7	64
Nevada	13	1	-	14
Sierra	3	1	-	4
Plumas	2	-	-	2
Mariposa	1	-	-	1
Total	291	331	96	718

On 17 October 2017, the State Water Resources Control Board adopted the Cannabis Cultivation Policy – Principles and Guidelines for Cannabis Cultivation (Cannabis Policy) as well as the General Waste Discharge Requirements and Waiver of Waste Discharge Requirements for Discharges of Waste Associated with Cannabis Cultivation Activities, Order No. 2017-0023-DWQ (Statewide General Order). The Cannabis Policy and Statewide General Order supersedes both the North Coast and Central Valley Water Board cannabis permits, therefore the Central Valley Region will no longer be accepting new applications or processing new enrollments under Order No. R5-2015-0113. The State Water Board has recently finalized the automated enrollment process for the Statewide General Order and Central Valley Water Board staff will begin enrolling cannabis cultivators under the Statewide General Order.

Per the Statewide General Order, cultivators currently enrolled under the Regional Board Orders will have until July 2019 to transition to the Statewide General Order, at which point Regional Board Orders will be rescinded. Staff will actively engage current enrollees to ensure they transition to the Statewide Cannabis General Order within the allotted time.

For the 17/18 fiscal year, the Central Valley Water Board received several new positions allocated to the Cannabis Program. These new positions have been placed in both the Redding and Rancho Cordova offices, with a total of 10 Program staff in Redding and 4 Program staff in Rancho Cordova.

Redding Vacancy/Hiring Status

- Senior ES (17/18 position) – Elizabeth Betancourt hired on 12-4-17
- Associate Governmental Program Analyst (17/18 position) – Katie Gilman hired on 11-27-17
- Engineering Geologist (17/18 position) – Interviews conducted, final selection pending
- 3 Environmental Scientists (17/18 positions) – Interviews conducted, final selection pending
- Water Resources Control Engineer – Ryan Cornwall hired on 1/16/18

Rancho Cordova Vacancy/Hiring Status

- Environmental Scientist – Vacancy announcement posted in January
- Water Resources Control Engineer (17/18 position) – Jeffrey Tierney hired on 1/16/18
- Water Resources Control Engineer (17/18 position) – vacancy closed on 1/8/18, interviews scheduled
- Engineering Geologist (17/18 position) – interviews conducted, final selection pending

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 10 January 2018 stakeholder meeting was held at the Merced County Farm Bureau, with the focused discussion on the Regional Groundwater Trend Monitoring Program and the updated State Board order regarding the East San Joaquin petition. More information regarding the stakeholder meetings can be found on the Central Valley Water Board ILRP website:

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

Waste Discharge Requirements (WDRs) Development

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

On 10 October 2017, the State Water Board issued a revised proposed precedential order in response to the petitions regarding the General Order No. R5-2012-0116 for growers within the Eastern San Joaquin River Watershed (SWRCB/OCC Files A-2239(a)-(c)). The revised State Water Board Order proposes changes to the current General Order, including anonymous field-level reporting to the Water Board, domestic well monitoring, and development of numeric targets to assess nitrogen loading to groundwater. State Water Board held a workshop on the revised Order on 6 December 2017 and a hearing on 23 January 2018. The comment deadline for the revised Order is 15 December 2017. More information regarding the proposed State Water Board order can be found at the State Water Board [web page](http://www.swrcb.ca.gov/public_notices/petitions/water_quality/a2239_sanjoaquin_ag.shtml):

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

ILRP Compliance, Outreach & Enforcement

New Compliance, Outreach & Enforcement Senior

Robert Ditto has replaced Brett Stevens as the new senior in charge of compliance, outreach and enforcement in the Rancho Cordova Office. Robert has been with the Central Valley Water Board for over 10 years, has led the industrial stormwater effort, and worked most recently in cannabis permitting and enforcement. Robert has a degree in soil and water science from UC Davis and is a Certified Professional in Erosion & Sediment Control.

Agricultural Parcel Inspections

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

Coalition Area	Parcel Inspections Nov 4 – Jan 4
Sacramento Valley	463
Kings River	20
Kern River	84
Total	567

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.

Coalition Area	On Farm Inspections Nov 5 – Jan 4
East San Joaquin	1
Sacramento Valley	6
San Joaquin Co & Delta	4
Total	11

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.

Coalition Area	Directives Mailed Nov 5 – Jan 4
Kings	7
Kern	80
Total	87

Notices of Violation for Failure to Submit Farm Evaluations

Between 4 November 2017 and 4 January 2018, Notices of Violation (NOVs) were sent to 107 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 4 November 2017 and 4 January 2018, Notices of Violation (NOVs) were sent to 61 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 their summary reports to the Coalition or potentially face monetary penalties. Response results for the NOVs are pending.

Coalition Enrollment Summary

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

Table 1 of 2. Coalition Enrollment Information Summary in the Sacramento, Delta, East and Western San Joaquin River Watersheds*							
Coalition Group	CA Rice* Comm.	East San Joaquin	Grasslands Drainage Area	Sacramento Valley	San Joaquin Co. & Delta	Western San Joaquin R.	Totals

Participating Growers							
Number of Growers, Pre-Order	2,500	2,225	N/A	7,888	3,256	2,450	18,319
Number of Growers, Participant List (2017)*	2,500	3,382	100	8,149	3,528	2,505	20,164
Number of Growers Enrolling Land Due to Directive/eNOI (Nov 4, 2017 – Jan 4, 2018)***				3			3
Enrolled Acreage							
Number of Acres, Pre-Order	544,468	535,653	N/A	1,183,491	348,200	467,625	3,079,437
Number of Acres, Participant List (2017)*	536,000****	702,081	83,913	1,332,327	516,357	431,452	3,602,131
Number of Acres, Annual Fees (2016-2017)**	536,000****	698,701	80,859	1,330,502	413,126	433,324	3,492,512
Number of Acres added due to Directive/eNOI (Nov 4, 2017 – Jan 4, 2018)***				90			90

* 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 4 January 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
Participating Growers									
Number of Growers, Pre-Order	3,794 (Southern San Joaquin Water Quality Coalition)							1,070	4,864
Number of Growers, Current Participant List (2017)*	42	87	1,272	762	4,658	1,012	42	1,247	9,122
Number of Growers Enrolling Land Due to Directive/eNOI (Sept 15, 2017 – Nov 3, 2017)***	0	0	3	4	9	0	0	0	16
Enrolled Acreage									
Number of Acres, Pre-Order	957,362 (Southern San Joaquin Water Quality Coalition)							507,489	1,464,851
Number of Acres, Current Participant List (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 (2015-2016)**	30,788	34,524	163,422	522,776	761,019	225,018	99,761	490,495	2,327,803
Number of Acres added due to Directive/eNOI (Nov 4, 2017 – Jan 4, 2018)***	0	0	212	511	894	0	0	0	1,617

* 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 3 January 2018

Central Valley Groundwater Monitoring Collaborative (CVGMC)

On 17 November 2017, the Executive Officer approved the Central Valley Groundwater Monitoring Collaborative's (CVGMC's) conceptual workplan for the development of a regional groundwater trend monitoring program. The group is currently comprised of various Coalitions throughout the Central Valley region, and may expand in the future to incorporate other dischargers and/or representative groups who have a mutual interest in monitoring groundwater.

Sacramento River Watershed Coalition Groups

California Rice Commission

The 2017 Annual Monitoring Report (AMR) was submitted by the California Rice Commission on 21 December 2017. The 2017 AMR covers the surface water and groundwater monitoring activities that were completed in 2017. The AMR is currently under staff review.

Sacramento Valley Water Quality Coalition

On 1 December, the SVWQC submitted electronic monitoring results for the 3rd quarter of the 2017 water year, covering April through June 2017.

On 7 December, staff held a meeting with SVWQC to discuss comments on SVWQC's third draft of the 2018 water year Monitoring Plan Update report and Pesticide Evaluation Protocol. Staff clarified comments and concerns, and answered Coalition questions. The Coalition has prepared and submitted a fourth revised version.

On 21 December, the SVWQC submitted a fourth draft of the 2018 water year Monitoring Plan Update report and Pesticide Evaluation Protocol. The Monitoring Plan Update proposes the water quality monitoring schedule for the period between October 2017 and September 2018. The report is currently under staff review.

On 21 December, the SVWQC submitted a revised Nitrogen Management Plan Summary Report for the 2016 crop year. The report is currently under staff review.

On 22 December, the Coalition submitted a third draft of the Comprehensive Groundwater Quality Management Plan, which is currently under staff review.

Placer-Nevada-South Sutter-North Sacramento Subwatershed Group

In October 2017, the Placer-Nevada-South Sutter-North Sacramento Subwatershed Group (PNSSNS) submitted a request for a Notice of Applicability (NOA) to serve as a third-party group under General Order R5-2014-0030, while concurrently terminating their contractor services agreement for the SVWQC. In November and December, staff and PNSSNS representatives met to discuss Water Board concerns regarding the potential gap in member coverage. On 15 November, the Assistant Executive Officer issued a letter urging PNSSNS to renew the agreement so their members can be assured of coverage under General Order R5-2014-0030. On 21 December, PNSSNS provided an interim agreement, which rescinded the termination of coverage and extends the agreement through 31 October 2018. With the interim agreement, PNSSNS members have coverage under General Order R5-2014-0030. Staff is preparing a response letter for PNSSNS's NOA detailing the additional information needed to complete their application.

San Joaquin River Watershed Coalition Groups

East San Joaquin Water Quality Coalition

On 10 November, the Executive Officer approved the Coalition's Monitoring Plan Update for the 2018 water year (1 October 2017 through 30 September 2018). The proposed schedule includes monitoring of constituents during the application periods.

On 14 November, staff held the 30th Quarterly Meeting with the Coalition representatives to discuss the implementation status of Management Plans, Groundwater Assessment Report update, surface water Quality Assurance Project Plan (QAPP), 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 15 November, the Coalition submitted a request to remove 14 constituents from 11 site subwatersheds management plans and management plan monitoring schedule. The request is currently under staff review.

On 1 December, staff received the Coalition's Quarterly Monitoring Data Report for the period April 1 through June 30, 2017.

On 13 December, the Executive Officer approved the Coalition's Nitrogen Management Plan (NMP) Summary Report Analysis for the 2016 Crop Year. The Executive Officer noted that additional effort must be made to follow up with growers to collect outstanding Summary Reports, provide feedback of the NMP analysis, and target consistent outliers with focused outreach program as outlined in the Groundwater Quality Management Plan.

On 20 December, the Executive Officer approved the Coalition's electronic Quality Assurance Project Plan (eQAPP) amendment request. The eQAPP is updated to include analytical methods and measurement levels for new pesticides identified through the Pesticides Evaluation Protocol.

San Joaquin County and Delta Water Quality Coalition

On 12 December, the Coalition's 1 May 2017 Nitrogen Management Plan was approved. The Executive Officer approval letter indicated that the Monitoring and Reporting Program's annual NMP Summary Report due date would be moved to November 30 so that the Members' previous year's NMP data (due 15 June) can be included in the Coalition's annual NMP Summary Report and the next year's outreach efforts.

On 27 December, the Coalition's e-QAPP was updated to include constituents and data quality objectives for the 2018 Water Year. The list of pesticides are being updated per the Pesticide Evaluation Protocol that was disseminated on 29 November 2016.

Westside San Joaquin River Watershed Coalition

On 30 November, the Coalition submitted its Annual Monitoring report, which is currently under staff review.

On 28 December, the Coalition submitted its Pesticide Monitoring Proposal for the 2018-19 monitoring year. The proposal is currently under staff review.

On 29 December, the Coalition submitted Management Plan Completion Requests for several surface water management plans. These requests are currently under review.

Grassland Drainage Area Coalition

On 15 May 2017, the Grassland Drainage Area Coalition submitted the Basin Plan Amendment Workplan. The workplan was submitted to request that groundwater in specific high vulnerability areas be de-designated for beneficial uses where they would not be supported even in the absence of the discharge of waste. On 27 July, the Executive Officer issued a review of the workplan requesting that additional information be provided in a revised draft by 1 December to meet the requirements of Order R5-2015-0095. On 15 November, the Coalition requested an extension of the revision deadline to 1 December 2018, which was approved by the Executive Officer on 11 December 2017.

On 15 November 2017, the Grassland Drainage Area Coalition notified the Executive Officer of their intent to participate in the Central Valley Groundwater Monitoring Collaborative in order to meet the groundwater quality trend monitoring requirements of Order R5-2015-0095. On 11 December 2017, the Executive Officer approved the Coalition's participation in the Central Valley Groundwater Monitoring Collaborative.

On 15 November 2017, the Grassland Drainage Area Coalition notified the Executive Officer of the Coalition's intent to comply with the Management Practices Effectiveness Program requirements of Order R5-2015-0095 through participation in the Northern Management Practices Effectiveness Program group option. On 28

December, the Executive Officer approved the Coalition's participation in the Northern Management Practices Effectiveness Program Group.

Tulare Lake Basin Coalition Groups

Cawelo Water District Coalition

On 4 December 2017, the Executive Officer provided a conditional approval of the Cawelo Water District Coalition's Revised Comprehensive Groundwater Quality Management Plan (Revised GQMP). The conditional approval was contingent on the Coalition's submittal of an updated version of the Revised GQMP that addresses issues identified in Staff's review of the document. Key elements that need to be addressed are: 1) The need for all growers in high vulnerability areas to implement currently known protective practices within a shorter time frame; 2) the use of oil field produced waste water was not identified as a source of irrigation water; 3) the signature and/or stamp of a professional geologist was not provided; and 4) a certification statement was not provided. The Coalition is required to provide an updated Revised GQMP by 16 February 2018.

Kern River Watershed Coalition Authority

On 5 December 2017, staff provided a review of the Kern River Watershed Coalition Authority's report entitled *Surface Water Quality Management Plan and Source Identification Study Evaluation Report – Chanac Creek*. Staff noted certain areas of the management plan that needed revisions in order to comply with Waste Discharge Requirements General Order R5-2013-0120. Key elements that need to be addressed are the immediate need for growers to implement good sediment control practices, and the continued sampling for constituents of concern. The coalition is required to submit a revised SQMP by 9 February 2018.

Tule Basin Water Quality Coalition

On 5 December 2017, the Executive Officer conditionally approved the Tule Basin Water Quality Coalition's Revised Comprehensive Groundwater Quality Management Plan (GQMP). The updated plan was submitted in response to a previous staff review which noted certain areas of the GQMP that needed revisions in order to comply with Waste Discharge Requirements General Order R5-2013-0120 (General Order). These issues were addressed in the revised plan.

Growers Under the Individual Discharger General Order

On 18 November 2017, Beard's Quality Nut Company, LLC and RB Ranch Development, LLC submitted Farm Water Quality Plans, respectively, as required under Order R5-2013-0100 and in the 18 November 2016 Notice of Applicability issued by the Executive Officer. The Farm Water Quality Plans are currently under staff review.

Other Projects

Data Management

On 6 December, the CVRDC successfully uploaded Westside San Joaquin River Water Coalition 2016 and historical data (2004-2008) to the CVRDC data base. After the CVRDC conducts a final review, the data will be submitted to CEDEN for public access.

On 3 January, the Data Management Team completed completeness checks for the Sacramento Valley Water Quality Coalition monitoring data for the period January 2017 through March 2017. Completeness checks are the last step before the data is transferred to the CEDEN website. CEDEN should have these data available by the end of January 2018. : <http://www.ceden.org/>

On 3 January 2018, the Data Management Team completed its review of Grasslands Bypass project data deliverable covering the period January through June 2017. SWAMP will load these data into the SWAMP database by the end of January 2018.

The Data Management Team continues to route water quality monitoring data through SWAMP for transfer to CEDEN. The DMT 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. ILRP data has been processed and notes the CEDEN 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 - Feb 2016
Sacramento Valley Water Quality Coalition	Jul 2004 - Dec 2016
Grasslands Bypass Project	Oct 1995 - Dec 2016
East San Joaquin Water Quality Coalition	Jul 2004 - Jun 2017
San Joaquin County and Delta Water Quality Coalition	Aug 2004 - Jun 2017

Grassland Bypass Project

On 31 August 2015, the U.S. Bureau of Reclamation submitted the draft Quality Assurance Project Plan (QAPP) for the Compliance Monitoring Program for the operation of the Grassland Bypass Project for staff review. On 26 October 2017, a revised QAPP for the Grassland Bypass Project was submitted to the Central Valley Water Board in response to comments provided by the Quality Assurance Officer for the State Water Resources Control Board. The revised QAPP is has been reviewed and the Central Valley Water Board is currently waiting submittal of the signed draft for approval.

On 28 November 2017, the Pesticide Management Plan for the Grassland Basin Drainers was submitted in accordance with the requirements of Order R5-2015-0094. The Plan was developed with guidance provided by the Pesticide Evaluation Protocol, issued on 29 November 2016 by the Executive Officer. The Plan identifies the constituents and schedule for monitoring pesticides in surface water from 1 January through 31 December 2018. The Plan was approved by the Executive Officer on 14 December 2017.

Norman’s Nursery

In May 2017, staff participated in a site visit with Norman’s Nursery representatives near Linden, CA. UC Extension specialists and a SJ Delta Coalition representative were also present. Nursery staff provided a tour of the grounds and discussed their irrigation system, points of drainage and monitoring locations. Participants agreed that a management plan should be developed to address surface water and shallow groundwater nitrate exceedances observed during 20 years of monitoring under MRP 97-811. Subsequently, the SJ Delta Coalition agreed to oversee development and implementation of a nitrate management plan in coordination with the Nursery. On 16 June 2017, the Executive Officer rescinded MRP 97-811 and issued a letter to the SJ Delta Coalition requiring the Coalition and Nursery to work together to develop and implement a management plan to address the nitrate exceedances.

In July 2017, a management plan outline was submitted which Water Board staff determined lacked some necessary management plan components. Staff, Norman’s Nursery representatives, and Coalition representatives met to discuss the additional needed components.

In January 2018, Water Board staff sent the nursery and coalition representatives a management plan outline that contains the necessary components. The group will meet soon to discuss development of the plan and a schedule for submittal.

Rice Pesticides Program

On 14 December 2017, the 2017 Annual Monitoring Report for the Rice Pesticides Program was submitted to the Central Valley Water Board and released for public comments on 15 December. The California Rice Commission followed the submittal of the Annual Monitoring Report with a letter to the Executive Officer outlining their recommendations for the 2018 monitoring season on 19 December. The Annual Monitoring Report and recommendations are currently under staff review.

NON POINT SOURCE

Clear Lake Nutrient Control Program Update

Staff is developing an implementation status update report for the Clear Lake Nutrient Control Program for public review in 2018. The report is currently undergoing internal review and is scheduled to be released for public review in Spring of 2018. In addition, staff is evaluating the need and options for amending portions of the Nutrient Control Program including the compliance date (19 June 2017) and milestones for assessing implementation progress. Although many implementation activities have been completed and are in progress, available information indicates it is not possible to attain all allocations by the compliance date, primarily due to delays in acquiring funding to complete the Middle Creek Flood Damage Reduction and Ecosystem Restoration Project.

Additional Board workshops are being scheduled in Lake County in 2018 to review staff's upcoming implementation status update report and to discuss stakeholder questions and concerns about the implementation status of the control program. In addition to the workshops, staff is also creating education materials to address stakeholder concerns following the August 2017 public outreach meeting.

More information about the Clear Lake Nutrient Control Program as well as the outreach meeting materials and written comments can be found at: http://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/clear_lake_nutrients/index.shtml

CYANOBACTERIA BLOOMS UPDATE.

HABs Portal

The California Water Quality Monitoring Council developed a web-based portal "[Are harmful algal blooms affecting our waters?](#)" (HABs Portal) to track cyanobacteria and other harmful algal blooms (cyanoHABs) occurring across the state. This HAB Portal functions as a "one-stop shop" resource for the public, waterbody managers and local health departments for information on how to report a bloom, how to identify a cyanoHAB, and guidance documents for local waterbody managers and health agencies on posting advisories, proper field sampling protocols and laboratory resources.

Central Valley Bloom Notifications and Response – 2017 Summary

CyanoHABs have become a common occurrence in waterbodies across the state. For the Central Valley, staff received 30 reports of suspected blooms in Central Valley waterways from January through December 2017 (Table1). Of the 30 reports, 20 were confirmed as HABs based on sampling, 6 were suspected as HABs based on site information but no sampling, 1 was confirmed to not be a HAB based on sampling, and the remaining 3 reports were waterbodies sampled in preparation for a pre-Labor Day HAB assessment directed by State Water Board.

Of the 20 confirmed HABs, toxins were detected in 14 of them. These toxins included microcystin, anatoxin-a, cylindrospermopsin and saxitoxin. Microcystin was the most common detected toxin followed by Anatoxin-a. Cylindrospermopsin and saxitoxin are not routinely tested for in water samples so it's not well understood how prevalent these toxins are in Central Valley waterways. In many of the HAB events, the toxin concentrations were at or below the Caution advisory levels developed by the State. However, three HAB events (Discovery Bay, Copsy Creek, and San Luis Reservoir) had microcystin concentrations above the Danger advisory threshold of 20 micrograms per liter ($\mu\text{g/L}$). In all reports where toxin was detected, staff coordinated with the local health departments and waterbody managers to ensure that information was released to notify the public (e.g., press release or Twitter announcement) of the HAB, and that advisory signs were posted at the waterbody to alert water users of the dangers with guidance on minimizing water contact.

Human Illness Associated with CyanoHABs in Central Valley Waterways

In 2017, there were several reports of human illness received by local health departments from people who reported falling ill after recreating in California waterbodies with cyanoHABs. In the Central Valley, there were five waterbodies with reports of human illness. These include Black Butte Lake, Clear Lake, Discovery Bay, Lake Isabella, and an unnamed ski lake in Orland. In many of the cases, respondents did not seek medical treatment and only reported the illness to the health department after the event took place. Others did seek medical treatment but physicians were unable to substantiate if the illness was a result of exposure to cyanoHABs. For most respondents, symptoms included gastrointestinal distress, nausea, headaches and fevers that may have been due to ingestion of cyanobacteria water and rashes and generalized itching due to dermal exposure.

Pet and Wildlife Impacts Associated with CyanoHABs in Central Valley Waterways

In 2017, there were several reports received by staff of injured or dead animals near waterbodies with cyanoHABs. For pet and domesticated animals, reports included two dog deaths, one cat death, a sick cat, a few sick dogs, six cattle deaths and one sick cow. Most of the animals did not have a post mortem examination so it is uncertain if they died from exposure to cyanotoxins.

Wildlife impacts included fish kills, dead birds and ducks. Fish kills occurred in Clear Lake, Black Butte Lake, Lake Isabella/Kern River, Laguna Joaquin, Oakwood Lake, Touchstone Lake, Copsy Creek and the Rio Bravo Country Club. The dead birds and ducks also occurred in a few of these same waterbodies with the fish kills. It is unknown if the ducks and bird deaths were due to cyanotoxins or were the result of an avian flu.

The two notable fish kill events were in Clear Lake and Laguna Joaquin in Rancho Murieta. In Clear Lake, thousands of fish died most likely from low dissolved oxygen that resulted from high air and water temperatures and the decay of algal material from the dense cyanobacteria bloom. In Laguna Joaquin, hundreds of stocked fish died in the lake most likely due to a combination of low dissolved oxygen in the water due to high

temperatures and low flow/stagnant conditions and an algaecide treatment for the cyanobacteria and algae bloom occurring in the lake.

Table 1. Summary of Suspected and Confirmed Cyanobacteria Blooms in the Central Valley in 2017								
Count	Month	Report Name (Report ID)	Status	Cyanobacteria (Genera) Identified?	Site Previously Reported in 2016¹?	Toxin Detected	Human Illness (reported)	Wildlife Impacts (reported)
1	March	Oakwood Lake, Manteca, San Joaquin County	Confirmed HAB	Aphanizomenon, Woronochinia, Dolichospermum, Pseudanabaena	No	None detected	None reported	Fish kill
2	March	Lake Clementine, Auburn, Placer County	No HAB	No cyanobacteria found in sample	Yes	Not tested	None reported	None reported
3	May	Clear Lake, Lake County	Confirmed HAB	Dolichospermum and Microcystis	Yes	Microcystin	Three cases	Fish kill, sick cat and dogs, cat death and dead ducks
4	May	Natomas East Main Drain Canal (Steelhead Creek), Sacramento County	Suspected but not Confirmed HAB	Unknown, site not accessible for sampling	No	Not tested	None reported	None reported
5	May	San Luis Reservoir, Merced County	Confirmed HAB	Dolichospermum, Aphanizomenon, Microcystis, Pseudanabaena	Yes	Microcystin	None reported	None reported
6	May	Barker Slough Pumping Plant, Solano County	Confirmed HAB	Dolichospermum, Pseudanabaena, Planktothrix, Aphanizomenon, and Cuspidothrix	No	Microcystin	None reported	None reported
7	June	Black Butte Lake, Orland, Tehama & Glenn County	Confirmed HAB	Dolichospermum, Aphanizomenon, Geosmin	No	Anatoxin-a	Anecdotal reports on FaceBook	Fish kill, sick dog
8	June	Unnamed Ski Lake, Orland, Glenn County	Confirmed HAB	Lyngbya, planktothrix, (one fragment of Dolichospermum) (reported dog death suspected to be related to known cyanobacteria bloom)	No	Anatoxin-a	One suspected (dermal irritation)	Dog death and sick dogs
9	June	Blue Lakes, Lake County	Confirmed HAB	Dolichospermum	No	Microcystin, Anatoxin-a	None reported	None reported

Table 1. Summary of Suspected and Confirmed Cyanobacteria Blooms in the Central Valley in 2017

Count	Month	Report Name (Report ID)	Status	Cyanobacteria (Genera) Identified?	Site Previously Reported in 2016 ¹ ?	Toxin Detected	Human Illness (reported)	Wildlife Impacts (reported)
10	June	Lake Isabella, Kern County	Confirmed HAB	Dolichospermum	Yes	Microcystin	Several suspected cases (dermal irritation)	Fish kill
11	June	Stone Lakes National Wildlife Refuge, Sacramento County	Confirmed HAB	Dolichospermum, Planktothrix, Aphanizomenon	No	Anatoxin-a, Cylindrospermopsin, Microcystin, Saxitoxin	None reported	None reported
12	June	Discovery Bay, Contra Costa County	Confirmed HAB	Unknown; Contra Costa County Health Services only samples for toxin not ID	Yes	Microcystin	Anecdotal case	None reported
13	June	Four Island Lake, Kern County	Suspected but not confirmed	Not sampled	No	Not tested	None reported	None reported
14	July	Lake Britton, Shasta County	Confirmed HAB	Dolichospermum	Yes	Anatoxin-a	None reported	None reported
15	July	North Fork American River & Folsom Lake, Placer County	Confirmed HAB	Dolichospermum	Yes	Non-detect for Anatoxin-a	None reported	None reported
16	July	Copsey Creek, Lake County	Confirmed HAB	Dolichospermum, Microcystis	No	Microcystin	None reported	Fish kill
17	July	Animal Stock Pond, Sacramento County	Suspected but not confirmed	Not sampled	No	Not tested	None reported	None reported
18	July	Touchstone Lake, Sacramento County	Confirmed HAB	Dolichospermum, Oscillatoria, Planktothrix	No	Anatoxin-a	None reported	Fish kill
19	August	Lake Berryessa, Napa County	Confirmed HAB	Anabaena, Oscillatoria, Planktothrix, Spirulina, Cylindrospermum	No	Cylindrospermopsin, Anatoxin-a	None reported	Dog death
20	August	Rio Bravo Country Club, Kern County	Suspected but not confirmed	Not sampled (reported dead fish and birds)	No	Not tested	None reported	Fish kill and dead birds
21	August	San Joaquin River Stockton Deep Water Ship Channel,	Confirmed HAB	Not sampled for cell ID; visual presence confirmation	Yes	Not tested	None reported	None reported

Table 1. Summary of Suspected and Confirmed Cyanobacteria Blooms in the Central Valley in 2017								
Count	Month	Report Name (Report ID)	Status	Cyanobacteria (Genera) Identified?	Site Previously Reported in 2016¹?	Toxin Detected	Human Illness (reported)	Wildlife Impacts (reported)
San Joaquin County								
22	August	Big Break Regional Shoreline, Contra Costa County	Confirmed HAB	Dolichospermum, Aphanizomenon	Yes	Not tested	None reported	None reported
23	August	Laguna Joaquin at Rancho Murieta, Sacramento County	Confirmed HAB	Oscillatoria, Phormidium, Cylindrospermum, Melosira, Anabaena, Merismopedia	No	Microcystin-LR, Microcystin-RR	None reported	Fish kill
24	August	Shasta Lake, Shasta County	N/A Pre-Labor Day sampling	No cyanobacteria found in sample	Yes	None detected	None reported	None reported
25	August	West Drainage Canal, Sacramento County	Suspected but not confirmed	Not sampled	No	Not tested	None reported	None reported
26	August	Lake Almanor, Plumas County	N/A Pre-Labor Day sampling	No cyanobacteria found in sample	Yes	None detected	None reported	None reported
27	August	Whiskeytown Lake, Shasta County	N/A Pre-Labor Day sampling	No cyanobacteria found in sample	No	None detected	None reported	None reported
28	September	Cache Creek, Yolo County	Confirmed HAB	Not sampled; visual presence identified as Microcystis	No	Not tested	None reported	None reported
29	September	Stock Pond West of Orland, Glenn County	Suspected but not confirmed	Unknown	No	Not tested	None reported	Sick and dead cattle
30	October	Victoria Canal near Union Point, San Joaquin County	Confirmed HAB	Not sampled; visual presence identified as Microcystis	No	Not tested	None reported	None reported

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

GRANTS

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

Approximately \$4 million will be available for this solicitation through a grant from the USEPA 319(h) Program. The purpose of the program is to provide funds to restore and protect the beneficial uses of water throughout the State through the control of nonpoint source pollution consistent with completed TMDLs or TMDLs under substantial development. In addition, this solicitation is seeking Post-Fire Recovery Proposals. The solicitation is open and proposals are due February 8, 2018 by 5:00 p.m. For more information, please visit the NPS website: 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 in Alfalfa, Almonds, and Cotton that Aid in Restoration of the San Joaquin River Watershed (\$749,997) – The Sustainable Cotton Project will continue work engaging more farmers of alfalfa, cotton, almonds and more acres in the Lower San Joaquin River watershed in implementing proven BMPs. Chlorpyrifos and diazinon comprise the adopted TMDL for the watershed. This grant works to reduce or eliminate farmers' use of diazinon and chlorpyrifos. (end date 6/30/19)

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

Timber Regulation and Forest Restoration Fund 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) – Conduct a road-related sediment survey on Ponderosa Way in Eastern Tehama County between State route 36E and State Route 32E (Project Area), preparing a fully-permitted, shovel-ready sediment reduction plan for the Project Area, and implementing 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 4/30/2018)

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) – Construct 185 acres of shaded fuel breaks along 30 miles of Yuba County roadways in the Yuba foothill state recreation areas in order to enhance fire safety and prevent water quality degradation that results 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.

PUBLIC OUTREACH

On 1 November, Sue McConnell attended the Fertilizer Research and Education Program/Western Plant Health Association Conference. Presentations were provided regarding nutrient management issues and loading to groundwater.

On 2 November, Terry Bechtel, Gurbinder Dhaliwal, and Lisa Wilson attended a Sediment and Erosion Control Plan Self-Certification training class for growers in the Irrigated Lands Regulatory Program in Williams, Colusa County

On 3 November, Christine Joab and Jerry Bruns attended the second Clear Lake Fish Die Off meeting held in Lakeport. This meeting was to continue to discussion of potential causes of the large fish kill that occurred in the lake in late September. A presentation was given by the Big Valley Band of Pomo Indians on the cyanobacteria monitoring they conduct around the lake.

On 7 November, Adam Laputz, Sue McConnell and Dana Kulesza attended the West San Joaquin Steering Committee meeting and provided a presentation on the revised State Board Order on the East San Joaquin Petition and the ILRP sediment erosion control requirements.

On 14 November, Dana Kulesza attended a Sediment and Erosion Control Plan Self-Certification Course for growers in the Irrigated Lands Regulatory Program in Los Banos, Merced County.

On 14 November, Anthony Toto participated in a conference call with 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 15 November, Guy Chetelat attended the Northern Sacramento Valley Integrated Regional Water Management Technical Advisory Committee meeting in Willows. The meeting covered disadvantaged community involvement, IRWM Plan updates, and new and revised projects.

On 15 November, Christine Joab attended an EPA Tools and Resources webinar titled "Monitoring Cyanobacteria with Satellites".

On 15 November Alex MacDonald provided a presentation to the Aerojet Rocketdyne Community Advisory Group. His presentation covered the on-going field activities occurring at the Aerojet and Inactive Rancho Cordova Test Sites. Other topics that were covered were the status of the soil vapor intrusion investigation that Aerojet is currently conducting both on and off their property and the investigation of contamination at Area 40 that is slated to become a park in the City of Folsom development south of US 50.

On 15 November, Guy Chetelat attended the Northern Sacramento Valley Integrated Regional Water Management Technical Advisory Committee meeting in Willows. The meeting covered disadvantaged community involvement, IRWM Plan updates, and new and revised projects.

On 15 and 16 November, Anthony Toto attended the Environmental Justice Summit and Round Table at the State Water Resources Control Board.

On 28 November, Cori Hansen, Jonathan Muerer, Thomas Key, Ben Letton, Angela Wilson, and Clint Snyder hosted a public outreach meeting for the development of a Federal NPS permit in Rancho Cordova, CA. The permit development is a joint effort between Region 5 and Region 6 and will include regulation of NPS activities on both USFS and BLM managed lands. The meeting was webcast live and the recording will be posted, along with meeting notes, on the project webpage.

On 28 November, Justin LaNier attended the Greater Battle Creek Watershed Working Group Meeting at the US Fish and Wildlife office in Red Bluff, CA. This public meeting covers issues of interest for Battle Creek watershed stakeholders. Presentations covered ongoing research, status of endangered salmon and habitat issues, hatchery and rearing status, habitat restoration project, and watershed based planning efforts.

On 29 November, Justin LaNier attended the Effectiveness Monitoring Committee at the Board of Forestry in Sacramento, CA. This public meeting covers proposals for research projects that seek to assess the effectiveness of CA's forest Practice Rules in implementing the Forest Practices Act of 1973 as well as other laws including Porter-Cologne Water Quality Control Act. Project proposals were discussed in a public webcast forum, and ranked by EMC members and agency representatives.

On 29 November, Christine Joab and Jerry Bruns attended the Clear Lake Cyanobacteria Task Force meeting held in Lower Lake, CA. The purpose of the Task Force is to share response actions among the participating agencies on efforts to address the cyanobacteria blooms in the lake.

On 30 November, Cori Hansen, Jonathan Muerer, Thomas Key, Anthony Toto, Ben Letton, Angela Wilson, and Clint Snyder hosted a public outreach meeting for the development of a Federal NPS permit in Clovis, CA. The permit development is a joint effort between Region 5 and Region 6 and will include regulation of NPS activities on both USFS and BLM managed lands. Material presented at this meeting, along with meeting notes will be posted to the project webpage.

On 4 December, Monique Gaido, participated in a Society of Women Engineers outreach event at Shasta High School in Redding. Approximately 50 students from Enterprise High School and Shasta High School robotics and engineering programs learned about locally available engineering jobs and internships. Ms. Gaido provided an overview of the Central Valley Water Board's role in protecting water resources in the Central Valley region, supported by work photos. Students expressed interest in student internships and posed questions about the education requirements for pursuing engineering careers.

On 4 December, Bethany Soto participated in a conference call with the Tulare Basin Integrated Regional Planning Effort, which is a group of Integrated Regional Water Management (IRWM) practitioners from the Tulare - Kern Funding Area. Items discussed included the implementation status of each individual practitioner's IRWM grant, coordination with Disadvantaged Communities (DACs) within the Tulare Basin, an update on formation of groundwater sustainability agencies within the Tulare - Kern funding area, and the 2018 schedule for updating the IRWM plans to meet the 2016 IRWM Plan Standards.

On 5 December, Cori Hansen hosted a public outreach meeting for the development of a Federal NPS permit in Apple Valley, CA. The permit development is a joint effort between Region 5 and Region 6 and will include regulation of NPS activities on both USFS and BLM managed lands. The meeting was the final of six (6) outreach meetings that were held throughout Regions 5 and 6. Material presented at this meeting, along with meeting notes will be posted to the project webpage.

On 5 December, 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 updated the group on a composting site in Kern County that is applying for a CUP and filed an Environmental Assessment to comply with CEQA.

On 5 December, Janis Cooke and Christine Joab met with staff from Dept. Water Resources, US Geological Survey, and San Francisco Estuary Institute to discuss the need and potential roles for a new Interagency Ecological Program Project Work Team for nutrients and water quality.

On 7 December, Bethany Soto participated in a conference call with the Southern Sierra Regional Water Management Group. Members of the IRWM provided project updates and the group discussed the requirements for updating the IRWM plan. New projects were introduced for consideration and inclusion on the project list.

On 8 December, Bethany Soto attended the Upper Kings Basin Integrated Regional Water Management Authority meeting. The meeting focused on an overview of updates to the IRWM plan and the Storm Water Resources Plan (SWRP). Stakeholders and members provided comments on the updates to both plans to assist in the completion of the documents.

On 8 December, Janis Cooke attended a meeting of the San Francisco Bay Nutrient Management Strategy Steering Committee. The group heard a financial and science investigation updates. The Bay NMS team is beginning to employ an advanced statistical tool (GAMS, Generalized Additive Model) to identify trends in nutrients and other associated variables. GAMS is used in Chesapeake Bay and other estuaries.

On 10 December, Justin LaNier attended the Battle Creek Conservancy's Annual Meeting at the Cal Fire's Manton Fire Station, in Manton, CA. This public meeting occurs once per year and provides an opportunity for members to learn about the progress of the watershed based planning efforts as well as other projects occurring around the watershed.

On 12 December, staff attended a licensing education workshop provided by the California Department of Food and Agriculture. At this event staff received information on the requirements for licensing of cannabis cultivation sites and how obtaining coverage under the Statewide General Order fits into the overall licensing process.

On 13 December, staff attended and participated in an educational event coordinated by the State Water Resources Control Board. The event was held at the Redding office of the Central Valley Water Board, and provided an overview of the Cannabis Policy, Water Rights, and the Statewide Cannabis General Order. Participants included state/local regulators, cultivators, and consultants.

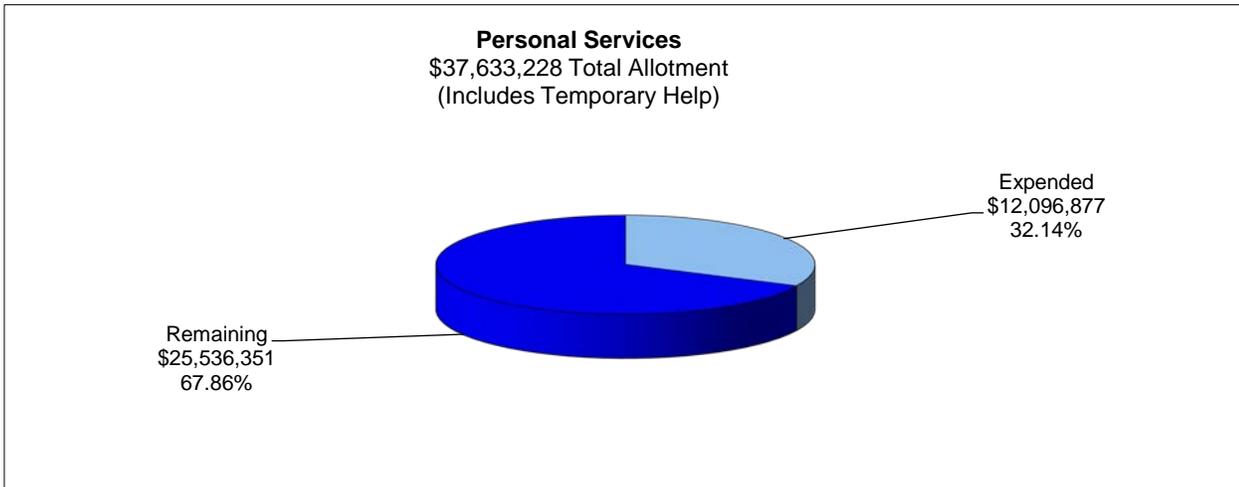
On 18 December, Bethany Soto attended the Tule River Basin Integrated Regional Water Management Joint Governing Board and Advisory Committee Meeting. Stakeholders and IRWM practitioners received an update on finances to help assess the needs of the group. Updates to the group's IRWM plan are being developed to meet the 2016 IRWM Plan Standards.

On 19 December, Sue McConnell and Rebecca Tabor attended a Groundwater Breakfast Forum at the Woodland Community Center. The forum was organized by the Northern California Water Association (NCWA) and Sacramento Valley Water Quality Coalition (SVWQC) and focused on nitrogen loading to groundwater in the Central Valley.

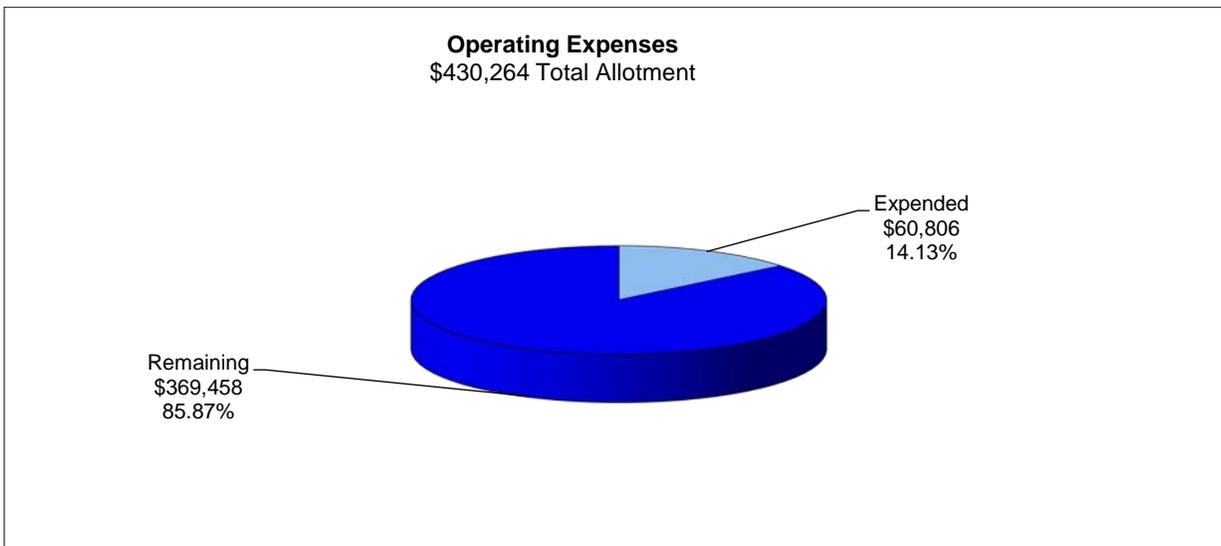
FISCAL UPDATE
Through October 31, 2017
(Approximately 33% of our budget should be expended)

Personal Services:

The information below represents the budget for the 2017-18 Fiscal Year. Our Personal Services budget supports 261.7 PYs. The Regional Board has received 10 new permanent positions for the Cannabis Cultivation Program and 3 new limited term positions for the Oil Fields Program.

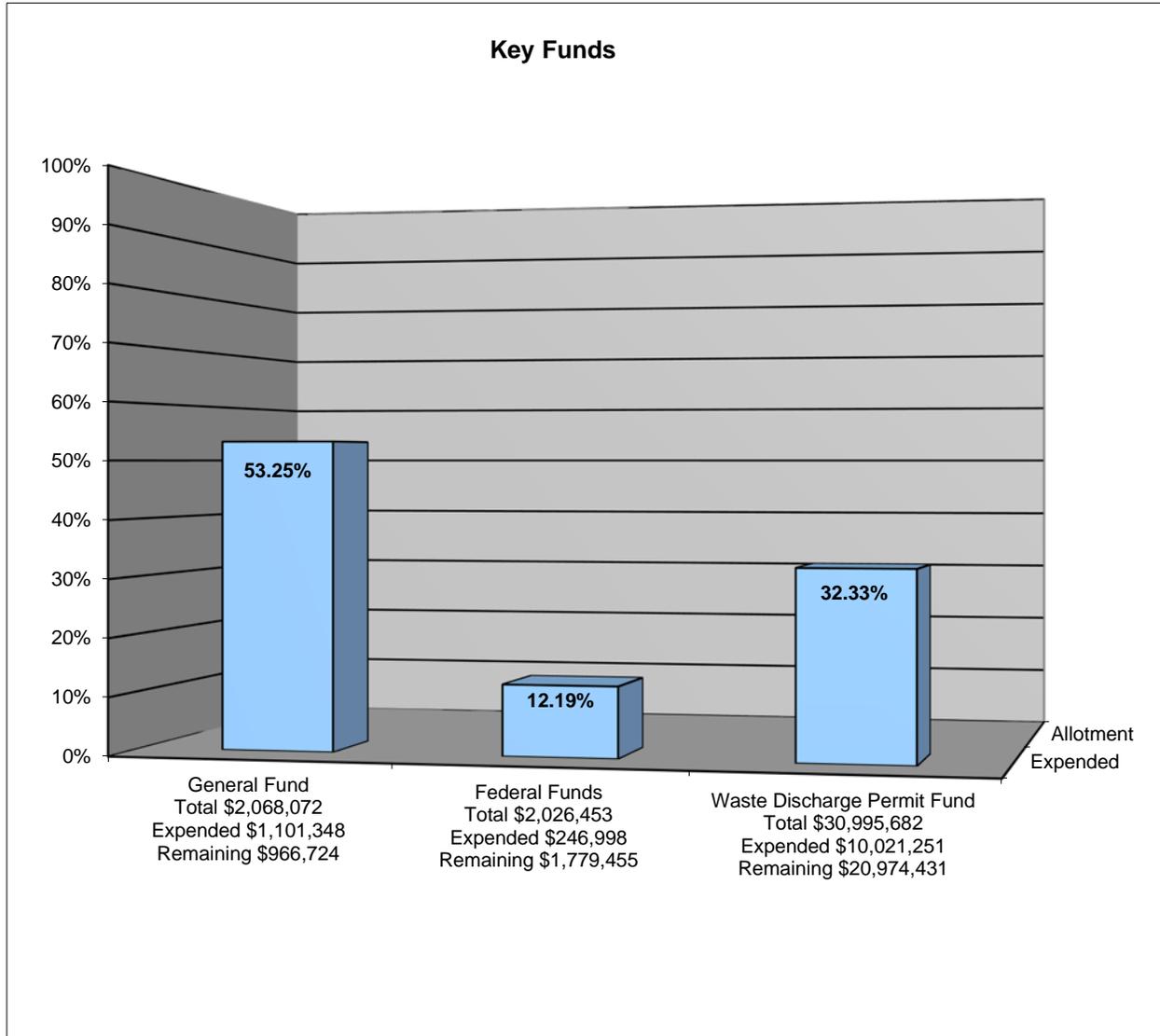


Operating Expenses:



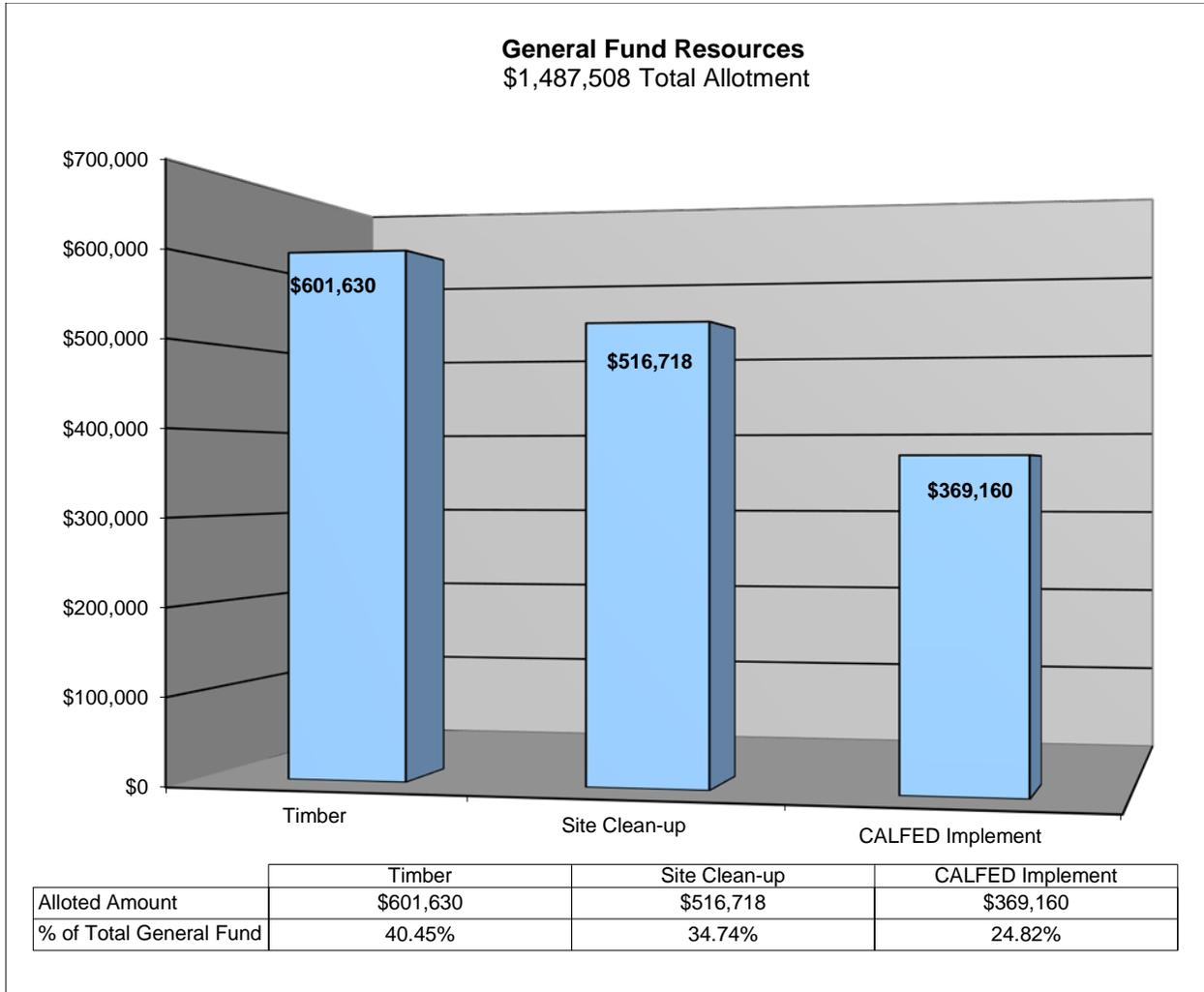
Key Funds:

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



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.



CONTRACTS

OPERATIONAL SUPPORT SERVICES

CONTRACT NUMBER	CONTRACTOR NAME	DESCRIPTION	START DATE	END DATE	AMOUNT
16-029-150	Courtney Aviation	Airplane inspection services - Rancho Office	04/18/17	03/31/19	\$ 40,000
15-077-150 Am. 1	Basic Laboratory	Lab analysis -- Redding Office	01/31/16	01/31/19	\$ 110,000
16-018-150	Monterey Bay Analytical	Lab analysis -- Rancho Office	07/20/16	06/30/18	\$ 160,000
15-011-150 Am. 1	Moore Twining	Lab analysis -- Fresno Office	01/31/16	01/31/19	\$ 130,000
17-150-001	Class Act Alliance	Professional sign language interpretation	07/01/17	06/30/18	\$ 1,160
TBD	California Reporting	Off-site court reporting	TBD	06/30/19	\$ 4,999
15-072-150 - Am.1	California Reporting	Court reporter services in Rancho Cordova	07/01/15	06/30/19	\$ 36,000
17-034-150	TBD	Helicopter inspection services -- Redding		09/30/20	\$60,000

WATER QUALITY STUDY/PLANNING

14-043-150-2	Department of Water Resources	Water quality trends	11/01/14	03/31/18	\$ 150,207
15-035-150, Am. 1	Regents of UC Davis	Large scale analysis of annual report data	08/14/15	03/31/18	\$ 150,000
15-047-150	San Jose State Foundation	Support for Statewide Mercury Control Program	01/06/16	03/31/18	\$ 200,000
15-084-150	USGS	Sampling validation	04/01/16	03/31/18	\$ 19,968
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	TBD	6/30/19	\$183,511
17-150-022	DWR	Operation and maintenance in-stream water monitoring stations (North and South Fork Battle Creek)	TBD	06/30/20	\$ 180,000
17-022-150	Department of Water Resources	Ongoing operation and maintenance - SWAMP	TBD	06/30/20	\$ 180,000
TBD	Delta Conservancy	Administrative and program management of the Delta Monitoring Exposure Reduction Program (MERP)	TBD	06/30/20	\$ 154,191

17-080-150	UC Davis	Interpretation of Soil Chemistry	TBD	03/31/20	\$199,987
17-065-150	USGS	Non-point source aquatic passive sampling study plan (Phase 2)	TBD	24 months	190,000
17-081-150	Aquatic Science Center	Development of a computer-based biogeochemical model for the Delta and Suisun Bay to quantitatively explore nutrient loads and cycling and characterize ecosystem response under current and future scenarios.	TBD	3/31/20	\$400,000
TBD	Dept. of Fish and Wildlife	Tech assistance to design and implement a monitoring program to assess reference conditions in non-perennial streams	TBD	6/30/20	\$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

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.

APRIL 2018 BOARD MEETING

- CCWD Copper Cove WWTP Renewal
- City of Colfax WWTF Renewal
- Cutler-Orosi WWTF Renewal

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISPOSAL TO LAND

- City of Newman WWTF (Revised WDRs)
- Delicato Family Vineyards (Revised WDRs)
- Synagro Clay Station (Revised WDRs)
- City of Lathrop CTF (Revised WDRs)
- Copper Cover WWTF (Revised WDRs)
- Lerdo Sheriffs WWTF (Revised WDRs)
- Riverdale WWTF(Revised WDRs)
- SPI Anderson Mill (New Permit)

LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27

- Southeast Regional Landfill, Fresno County (Revised WDRs)
- Midway Solid Waste Disposal Site, San Luis Obispo County (Revised WDRs)
- Waiver for Disaster-Related Wastes
- Buena Vista Class II LF (Revised WDRs)
- Union Mine Landfill (Revised)
- Midway Landfill
- Alturas Landfill, Modoc County (Revised WDRs)

JUNE 2018 BOARD MEETING

- CalMat Sand and Gravel Plant Renewal
- City of Redding, Stillwater WWTF Renewal
- City of Red Bluff WWRP Renewal
- Kinder Morgan Fox Rd GWTS Renewal
- City of Brentwood WWTP Renewal
- City of Jackson WWTP Renewal
- City of Dunsmuir WWTP Renewal

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISPOSAL TO LAND

- Stratford WWTF (Revised WDRs)
- Visalia WWTF (Revised WDRs)
- Fresno WWTF (Revised WDRs)
- Lion Raisins (Revised WDRs)
- Pacific Coast Producers (revised WDRs)
- SPI Oroville Cedar Mill (Revised WDRs)
- Bridge Bay Marina & Resort (Revised WDRs)
- UC Davis CABA, Yolo County (Revised WDRs)
- Bully Hill and Rising Star Mines (New WDRs)

LOCAL AREA MANAGEMENT PROGRAM APPROVALS

- Kings County
- Tulare County
- Tuolumne County
- Lake County
- Sierra County
- Yuba County

LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27

- City of Sac, Cannon and Scallon Properties (New WDRs)
- West Central Landfill (Amended WDRs)

AUGUST 2018 BOARD MEETING

- Yuba City WWTF Renewal
- City of Lodi White Slough WPCF Renewal
- CCWD Forest Meadows WWTP Renewal
- Yosemite National Park, Wawona WWTF Renewal

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISPOSAL TO LAND

- Corcoran WWTF (Revised WDRs)
- Treehouse Almonds (Revised WDRs)
- Ironhouse Sanitation District, Contra Costa County (Revised WDRs)

PENDING ACTIONS, BUT NOT YET SCHEDULED FOR A BOARD MEETING

NPDES PROGRAM – PERMITTING

- City of Atwater, Regional WWTF Rescission
- SPI Anderson Rescission
- Bully Hill Rising Star Mines Rescission
- Malaga WWTF Rescission
- Portola WWTP Renewal
- City of Visalia WWTF Rescission
- Sierra Conservation Center WTP Rescission
- Jackson WWTP Renewal
- Davis WWTP Renewal
- Sequoia/Kings Canyon National Parks Rotenone Application (New Permit)
- Delleker WWTP Renewal
- Southern California Edison, Eastwood Powerhouse Facility Renewal

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM - DISPOSAL TO LAND

- Barrel Ten Winery (Revised WDRs)
- CA Dept. of Corrections, Mule Creek State Prison (Revised WDRs)
- City of Sutter Creek (Revised WDRs)
- City of Galt (Revised WDRs)
- City of Huron (WWTF)
- City of Lodi (Revised WDRs)
- City of Lemoore WWTF (Revised WDRs)
- City of Lodi WWTF (Amended WDRs)
- City of Lemoore WWTF (Revised WDRs)

- City of Manteca WWTF (Revised WDRs)
- City of Modesto WWTF (Revised WDRs)
- City of Patterson 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)
- Lobue Packing (Revised WDRs)
- Farmersville WWTF (Revised WDRs)
- Former Spreckels Mendota Facility (New WDRs)
- Golden Feather School District, Spring Valley School (Revised WDRs)
- Ironhouse Sanitation District (Revised WDRs)
- Liberty Packing Tomato Processing (Revised WDRs)
- Leprino Foods Lemoore (New WDRs)
- Maxwell PUD (Revised WDRs)
- Mokelumne Rim Vineyards (Revised WDRs)
- Morningstar Packing Company (Revised WDRs)
- North State Rendering Tallow Plant (Revised WDRs)
- Olson Meats (Revised WDRs)
- Sacramento Rendering (Revised WDRs)
- Sun Maid Raisins Orange Cove (Revised WDRs)
- Tomatek and City of Firebaugh (Revised WDRs)
- Tasteful Selections (Revised WDRs)
- Wonderful Pistachios (Revised WDRs)
- Yocha De He Tribe (Revised WDRs)

LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27

- Winters Landfill, Yolo County (Revised WDRs)
- Eastlake Landfill, Lake County (Revised WDRs)
- Butts Canyon Road Geothermal Power Plant Facility (New WDRs)
- Highway 59 Landfill, Merced County (Revised WDRs)

STORM WATER

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

SIGNIFICANT POLICIES, PLANS AND PERMITS TABLE

See next Page

Significant Policies, Plans and Permits Under Development or Pending Development

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-15	Central Valley Pyrethroids Basin Plan Amendment	2018-01-05 The Basin Plan Amendment was adopted by the Central Valley Water Board on 8 June 2017. The Amendment still needs State Water Board, OAL and USEPA approval before becoming fully effective.	Regional	R5
A-15	Central Valley Diuron Basin Plan Amendment	2018-01-05 A review of the most current water quality information indicates the Irrigated Lands Regulatory Program is effectively addressing all diuron impairments. Therefore staff is preparing documentation for de-listing or listing the impairments as being addressed by an existing regulatory program. The 2014 Integrated Report included documentation for listing several diuron impairments as being addressed by an existing regulatory program and not needing TMDLs (category 4b). Additional de-listings and/or category 4b demonstrations are being prepared for the 2018 listing cycle.	Regional	R5
A-16	Revisions to General Order for Poultry Facilities	2017-11-27 Order No. R5-2016-0087 was adopted on 6 December 2016. A General Order update was presented to the Regional Board in August 2017. Revisions to the General Order for Poultry Facilities are anticipated to be presented to the Regional Board for consideration in 2018.	Regional	R5
*A-16	Phase I update of the Bay-Delta Plan:- San Joaquin River flows and Southern Delta Salinity.	2017-12-12 The original Draft Substitute Environmental Document (SED) was released in December 2012 for public comment with a hearing to receive comments on the SED and written comments on the SED in March of 2013. A draft revised SED was then prepared and released for public comment on September 15, 2016. Several hearings and technical meetings were held on the draft revised SED in Sacramento, Stockton, Merced, and Modesto from November 2016 through January 2017. Written comments were due by March 17, 2017. Staff are in the process of preparing written responses to comments. Staff anticipates that the final SED (including responses to public comments) and Plan Amendment will be released for public review in the spring of 2018 and will be brought to the Board for consideration in mid-2018.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-17	Surface Water Augmentation with Recycled Water Regulations	2017-04-24 The Division of Drinking Water is currently finalizing the regulation package regarding the use of recycled water to augment surface water reservoirs used for drinking water supplies. As required by Water Code sections 13562 and 13565, an Expert Panel was assembled to review the criteria and to ultimately make a finding that the criteria are protective of public health. The Expert Panel reviewed the initial draft regulation, which was then submitted for completion of the peer review process required via H&SC section 57004. The Expert Panel reviewed the peer review comments, subsequent revisions to the draft regulations, and made a finding that the criteria are protective of public health.	Statewide	SB
A-17	Revised Total Coliform Rule	2017-04-24 The Federal Revised Total Coliform Rule became effective on April 1, 2016. Division of Drinking Water staff are in the process of drafting state regulations that are at least as stringent as federal regulations but include California-specific requirements. Staff anticipate releasing draft regulations in the spring of 2017 during public workshops, with a public review period later in 2017 and a proposed Board Adoption date in mid 2018.	Statewide	SB
A-17	Bacteria Standards for Ocean and Inland Surface Waters	2018-01-09 The State Water Board is developing proposed statewide bacteria water quality objectives and implementation options for the control of bacteria to protect human health in waters designated for water contact recreation (REC-1). This project also includes a general water quality standards variance policy applicable to all pollutants. The proposed bacteria water quality objectives and applicable implementation options if adopted will be included within the Water Quality Control Plan for Inland Surface Water, Enclosed Bays, and Estuaries of California and the Water Quality Control Plan for Ocean Water of California. Staff released the draft documents for public comment on June 30, 2017. A Staff Workshop was held on July 10, 2017 and Public Hearing was held on August 1, 2017. Thirty-three comment letters were received. Staff is presently responding to the comment letters. The State Water Board will consider adoption on February 6, 2018. State Board Web site: http://www.waterboards.ca.gov/bacterialobjectives/	Statewide	SB
A-17	Statewide Aggregate General Order	2017-12-05 DWQ is preparing a statewide general order for aggregate processing facilities that discharge to land.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
*A-17	Phase II update of the Bay-Delta Plan: Comprehensive Review	2017-12-12 The working draft Scientific Basis Report (Science Report) and a beta version of the Sacramento Water Allocations Model (SacWAM) for Phase II were released in the fall of 2017 with public meetings on both, including a training on SacWAM. The Science Report was subject to public comment and reviewed by the Delta Independent Science Board, and SacWAM was released for public review and was reviewed by an expert panel convened by the Delta Science Program. Following the reviews and public comments, the working draft Science Report and SacWAM were revised as necessary. The final Science Report was then submitted for independent peer review pursuant to the Public Health and Safety Code which found that the Science Report is based on sound science. The final Science Report and response to peer review comments, the updated version of SacWAM and the response to peer review comments, and additional information regarding the Phase II process and opportunities for input were posted on the State Water Board's website on October 4, 2017. Staff anticipates release of a draft Staff Report/SED identifying potential environmental, economic and other effects of potential Phase II modifications to the Bay-Delta Plan in spring of 2018 for public comment.	Statewide	SB
A-17	Unified Program Underground Storage Tank Surcharge Increase	2017-08-29 Underground Storage Tank (UST) Leak Prevention Program, as part of the CalEPA Unified Program, is funded by a surcharge applied to each operating UST. Surcharge funding is authorized by California Health and Safety Code. Revenue from the surcharge is intended to cover operating costs at the State Water Resources Control Board to oversee and implement the program, however the current amount fails to do so. CalEPA has completed the rulemaking process, and the Office of Administrative Law has approved the regulations which increase the UST surcharge which becomes effective August 2017. A Budget Change Proposal for increased spending authority is under development, along with an additional surcharge increase.	Statewide	SB
A-17	Industrial General Storm Water Permit Amendment for TMDL Implementation	2018-01-09 The State Water Board held a Public Hearing on January 9, 2018 to receive comments on the proposed Industrial General Permit Amendment. Public comments are due on February 14, 2018 at noon. The Amendment proposes to: 1) implement TMDLs, 2) update monitoring requirements per the new federal Sufficiently Sensitive Methods Rule, and 3) add statewide compliance options to incentivize storm water capture and regional collaboration, as appropriate. State Water Board consideration of adoption is anticipated in 2018. More detailed information regarding the can be found at the program webpage: www.waterboards.ca.gov/water_issues/programs/stormwater/industrial.shtml	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-17	Mercury TMDL and Implementation Plan (Statewide Reservoirs)	2018-01-09 Staff from Regions 2 and 5 and State Water Board are developing a TMDL and implementation plan 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 hosted reservoir owner meetings in Oct and Nov 2017 and will be meeting with the owners in Feb 2018.	Statewide	R5
A-17	Petition Order for Central Valley Regional Board's Eastern San Joaquin Agricultural Order	2017-11-09 On October 10, 2017, the State Water Board released a proposed order, SWRCB/OCC File A-2239(a)-(c), in response to petitions for review of the Central Valley Regional Water Quality Control Board's Eastern San Joaquin Agricultural Order. A Board workshop will be held at the Cal/EPA Building in Sacramento on December 6, 2017. Additional Board workshops will be held in Fresno on November 27, 2017 and in Redding on November 30, 2017 to provide an opportunity for petition staff to ask detailed questions. The deadline for written public comments is December 15, 2017, with final action anticipated to be taken at the Board meeting on January 23, 2018.	Statewide	SB
A-17	Supplemental Environmental Projects (SEP)	2017-12-12 Tentative Resolution supporting a list of Supplemental Environmental Projects and Enhanced Compliance Actions for Consideration in Enforcement Settlement Negotiations. Resolution No. R9-2017-0014 adopted February 8, 2017	Statewide	SB
A-17	Approval of the CWA Section 303(d) List portion of the 2014 and 2016 California Integrated Report	2018-01-09 Clean Water Act section 303(d) List portion of the 2014 and 2016 California Integrated Report (303(d) List) is a combination of the 303(d) Lists approved by the San Francisco Bay, Central Coast, Central Valley, Santa Ana, and San Diego Regional Water Boards. The 303(d) List portion of the 2014 and 2016 Integrated Report along with the recommendations for the Los Angeles region was released for public comment on June 9, 2017. The State Water Board adopted the Los Angeles Water Board and statewide 303(d) List on October 3, 2017. Staff is awaiting the signed resolution prior to submitting the 303(d) List to the U.S. EPA for approval.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-17	Sediment Quality Objectives (SQOs) for Enclosed Bays and Estuaries: Phase II*	2018-01-09 Water Board staff is developing a methodology (for inclusion in the Water Quality Control Plan for Inland Surface Waters and Enclosed Bays and Estuaries) to assess sediment quality in relation to the narrative human health SQO that protects human consumers from contaminants that bioaccumulate from the sediment into fish tissue. Several groups and committees, including the SQO Advisory Committee, the Agency Coordination Committee, and the Harbor Technical Work Group, are collaborating on studies that will assist in the development, testing, and implementation of Phase II SQOs. The case study and test drive were completed in August 2017 and draft documents were released on October 24, 2017. The public comment period closed on December 14, 2017 and received a total of 11 comment letters. The Board held a hearing to receive public comments on December 5, 2017, and board consideration of adoption is anticipated for April 2018.	Statewide	SB
*A-18	Procedures for Discharges of Dredged or Fill Materials to Waters of the State (Proposed for Inclusion in the Water Quality Control Plan for Inland Surface Waters and Enclosed Bays and Estuaries)	2018-01-09 State Water Board staff is developing proposed Procedures (for Inclusion in the Water Quality Control Plan for Inland Surface Waters and Enclosed Bays and Estuaries)for Discharges of Dredged or Fill Materials to Waters of the State (Procedures). The draft Procedures were released for a second round of public comments on July 21, 2017, and the Board held a hearing on September 6, 2017. The public comment period closed on September 18, 2016. Staff is reviewing comments and considering proposed responses and revisions to the Procedures. Adoption is tentatively for scheduled in Spring 2018.	Statewide	SB
A-18	Permanent (Regular) Regulations for Point Of Use/Point of Entry Treatment Devices	2017-04-24 The State Water Board will be adopting permanent regulations governing the use of point-of-use and point-of-entry treatment devices by a public water system (PWS), in lieu of centralized treatment. Existing law requires the State Water Board to first adopt emergency regulations, followed by standard regulations, to establish criteria for applicable PWS that choose to provide treatment for drinking water through the use of POU or POE treatment devices. Emergency regulations were adopted by the Board on March 15, 2016 and became effective on April 1, 2016. Permanent regulations have to be effective by January 1, 2018 and Division of Drinking Water staff are in the process of drafting the permanent regulations.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-18	Statewide General Waste Discharge Requirements Order for Wineries	2018-01-09 State Water Board staff has prepared a concept paper for developing a statewide general order for wineries. Staff is collaborating with stakeholders to prepare a draft requirements matrix. Staff continues to hold meetings with wine industry representatives and additional outreach meetings will be scheduled.	Statewide	SB
A-18	Revisions to General Order for Poultry Facilities	2017-11-27 Order No. R5-2016-0087 was adopted on 6 December 2016. A General Order update was presented to the Regional Board in August 2017. Revisions to the General Order for Poultry Facilities are anticipated to be presented to the Regional Board for consideration in 2018.	Regional	R5
A-18	Revised UST Regulations	2018-01-08 State Water Resources Control Board staff is updating the underground storage tank (UST) regulations to be at least as stringent as the revised 2015 Federal UST regulations contained in 40 Code of Federal Regulations. The 45-day public comment period for the proposed regulations ended on January 2, 2018, and no public hearing was requested. State Water Board staff is currently reviewing the comments received and preparing responses for the rulemaking record. Based on the comments received and necessary revisions to the proposed regulations or the Initial Statement of Reasons, an additional comment period (either 15-day or 45-day) may be necessary. The State Water Board consideration of adoption of the proposed amendment is anticipated May 2018. The proposed amendments will then become effective July 1, 2018.	Statewide	SB
A-18	Environmental Laboratory Accreditation Regulations	2017-12-14 Division of Drinking Water staff will draft new regulations governing the accreditation of laboratories regulated by the Environmental Laboratory Accreditation Program (ELAP). The draft regulations will ensure standards for laboratory compliance is auditable and enforceable. The draft regulations are in development and staff held staff workshops on the draft regulations Summer 2017 and will initiate the formal rulemaking process late 2018. Staff propose presenting the draft regulations to the State Board in early 2019 for adoption.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-18	Suction Dredge Mining Activity	2017-12-28 Senate Bill 637 amended the California Water Code and the California Fish and Game Code to address the existing moratorium on suction dredge mining. As amended, the Water Code requires the State Water Board to gather stakeholder input to assist in its determination regarding how to regulate suction dredge mining activities. State Water Board staff conducted five public outreach workshops throughout the State in January and February 2017. Staff is evaluating the information gathered during the workshops to determine the appropriate proposed action for the State Water Board to consider for regulation of suction dredge mining activities.	Statewide	SB
A-18	Toxicity Amendments to the Inland Surface Waters, Enclosed Bays, and Estuaries Plan	2018-01-09 State Water Resources Board staff are preparing provisions for toxicity, which if adopted by the Board will be included in the Water Quality Control Plan for Inland Surface Waters, Enclosed Bays and Estuaries of California. If adopted, the proposed Provisions would establish numeric acute and chronic objectives for aquatic toxicity; establish effluent limits for non-storm water NPDES dischargers; incorporate the United States Environmental Protection Agency's (U.S. EPA's) Test of Significant Toxicity (TST) statistical approach for data analysis; and establish monitoring requirements for wastewater discharges to inland surface waters, enclosed bays, and estuaries in California. Staff held outreach meetings in April 2017 to receive feedback from stakeholders and interested parties on the proposed Provisions. Public release of the draft staff report and proposed amendment is anticipated for April 2018 with tentative staff workshops in April or May 2018 and a board hearing in June 2018. The proposed amendment is anticipated to be presented to the Board for consideration in November 2018.	Statewide	SB
A-18	Water Quality Objectives for Ammonia	2018-01-02 Scoping meetings held on 15, 16 and 22 March in Rancho Cordova, Fresno and Redding, respectively. Agency meeting held 24 May.	Regional	R5

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-18	Nonpoint Source (NPS) Implementation and Enforcement Policy Amendments	2017-09-22 The NPS Implementation and Enforcement Policy (NPS Policy) is being updated as directed by Resolution 2012-0004 to reflect the current funding mechanisms for State Water Board and Regional Water Board regulation of nonpoint source wastewater discharges.	Statewide	SB
A-18	Statewide Urban Pesticides Reduction	2017-12-28 The State Water Board is developing a statewide multi-agency Strategy to Minimize Urban Pesticides that will be proposed as amendments to both the Inland Surface Waters, Enclosed Bays, and Estuaries Plan, and to the Ocean Plan. A multi-stakeholder project team (shifted into an advisory committee in April 2017) provided information and materials for development of the following amendment components(1) an inter-agency coordination framework, (2) a regional monitoring framework, and (3) suggested permit language for MS4 permittees. Staff anticipates public release of the proposed amendments in Late 2018.	Statewide	SB
A-19	Approval of the CWA Section 303(d) List portion of the 2018 California Integrated Report	2018-01-09 The 2018 California Integrated Report will consist of a complete assessment of data and information for the North Coast, Lahontan, and Colorado River regions. The other six regional water boards will have the opportunity to include high priority listings and delistings off-cycle. The data solicitation period ended on May 3, 2017. State and Regional Water Board staff will be assessing the data with a tentative State Water Board approval scheduled for May of 2019.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-19	Biostimulatory & Biological integrity Project	<p>2018-01-09 The State Water Board is proposing to adopt a statewide water quality objective for biostimulatory substances along with a program of implementation as an amendment to the Water Quality Control Plan for Inland Surface Water, Enclosed Bays and Estuaries of California. This project will also include a water quality control policy to establish and implement biological condition assessment methods, scoring tools, and targets aimed at protecting the biological integrity in wadeable streams. Some of the technical work being done by SCCWRP to support this project is nearing completion (the Biological Condition Gradient Model and Algal Stream Condition Index). Stakeholders met at the end of July to review and discuss these products. A Regulatory Advisory Group meeting was held on 8/31 to discuss issues raised by stakeholder and to discuss policy options so that staff can begin documenting options and preparing draft provisions and staff reports. Staff have been working with members of the technical team to discuss how multiple indicators will be interpreted for objective compliance as well as drafting up potential policy provisions for management to review. Staff met with upper management to check in on this project on 12/14/2017. Staff and upper management plan to brief the new Executive Director and deputy Director on this project sometime in early 2018.</p>	Statewide	SB
A	Amendment to the Recycled Water Policy	<p>2017-12-22 The State Water Board adopted a resolution on December 6, 2016 directing staff to amend the Recycled Water Policy and re-convene the Science Advisory Panel for Constituents of Emerging Concern and release a draft for public comment by March/April 2018. State Water Board staff conducted initial targeted stakeholder listening sessions in March and November 2017. State Water Board staff had two meetings in December 2017 to consult with any person or organization concerned with the environmental effects of the proposed amendment (CCR §15083). Staff will also conduct two staff workshops in January 2018 to discuss specific details of the proposed amendment. Lastly, the Science Advisory Panel for CECs in Recycled Water presented their findings and recommendations at a public meeting on December 15, 2017. The Panel is scheduled to release their draft report for a 30-day public comment period on January 15, 2018. The Public Notice is available here: https://www.waterboards.ca.gov/board_info/calendar/docs/notice_ceqa_scoping_recycled_water.pdf For more information can be found on the program page here: https://www.waterboards.ca.gov/water_issues/programs/water_recycling_policy/</p>	Statewide	SB
C	Onsite Wastewater Treatment Systems (OWTS) Policy Implementation	<p>2017-06-05 The Local Agency Management Plan (LAMP) Guidance document was transmitted to the Regional Water Boards on June 4, 2015. All of the Regional Water Boards have amended their Basin Plans to implement the OWTS Policy. The State Water Board approved the amendments for Regions 1 through 9. State and Regional Water Board staff have been meeting with local agencies to facilitate LAMP development. On June 24, 2016, State Water Board staff held an informational forum with the Regional Boards to discuss policy implementation, LAMP submittals and reviews, challenges & successes, and statewide program coordination. To date, 21 LAMPs have been approved by Regional Boards. State Water Board staff have begun the OWTS Policy conditional waiver update process. (The conditional waiver expires on May 13, 2018.)</p>	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A	Harmful Algal Bloom Response	<p>2017-06-30 State Water Board staff are working with a multi-entity workgroup consisting of the Water Boards, California Department of Public Health, Office of Environmental Health Hazard Assessment, United States Environmental Protection Agency, California Fish and Wildlife, the Department of Water Resources, tribes, water managers, and other interested parties to collaboratively work toward solutions in protecting the public, pets, livestock, and wildlife from the effects of harmful algal blooms (HABs). The California Cyanobacteria Harmful Algal Bloom Network meets quarterly in January, April, July, and October.</p>	Statewide	SB
A	SB 83, Section 45 - Produced Water Pond Report	<p>2017-08-29 The State Water Board posted on its website a status report on the regulation of oil field produced water ponds within each region. Link to report: http://www.waterboards.ca.gov/water_issues/programs/groundwater/sb4/index.shtml. Produced water is water extracted during oil production. The report included a tally of produced water ponds statewide by region, the number of permitted and unpermitted ponds, enforcement actions taken, and the status of permitting the unpermitted sites. The report will be updated every six months.</p>	Statewide	SB
A	CV-SALTS Developing a Salinity and Nitrate Management Plan for all basins in the Central Valley Basin Plan Amendment for the Sacramento River and San Joaquin River Basin Plan, Tulare Lake Basin Plan and the Delta Water Quality Control Plan	<p>2017-09-19 Salt and Nitrate Management Plan posted a www.cvsalinity.org at the end of 2016 and formally submitted to the Central Valley Water Board on 12 January 2017. Board accepted receipt of SNMP on 9 March 2017 and directed staff to begin Basin Plan Amendment. Staff are currently developing basin plan amendment language with stakeholder input.</p>	Regional	R5

Key	Item	Status	Statewide or Regional Project	Org. Lead
A	Revision of General Order for Existing Dairies	2018-01-02 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 Regional Board consideration of the revised General Order in mid-2018.	Regional	R5
A	Approval of the CWA Section 303(d) List portion of the 2018 California Integrated Report	2018-01-09 Clean Water Act section 303(d) List portion of the 2014 and 2016 California Integrated Report (303(d) List) is a combination of the 303(d) Lists approved by the San Francisco Bay, Central Coast, Central Valley, Santa Ana, and San Diego Regional Water Boards. The 303(d) List portion of the 2014 and 2016 Integrated Report along with the recommendations for the Los Angeles region was released for public comment on June 9, 2017. The State Water Board adopted the Los Angeles Water Board and statewide 303(d) List on October 3, 2017. Staff is awaiting the signed resolution prior to submitting the 303(d) List to the U.S. EPA for approval.	Statewide	SB
A-19	Approval of the CWA Section 303(d) List portion of the 2018 California Integrated Report	2018-01-09 The 2018 California Integrated Report will consist of a complete assessment of data and information for the North Coast, Lahontan, and Colorado River regions. The other six regional water boards will have the opportunity to include high priority listings and delistings off-cycle. The data solicitation period ended on May 3, 2017. State and Regional Water Board staff will be assessing the data with a tentative State Water Board approval scheduled for May of 2019.	Statewide	SB
A	New winery waste guidelines	2017-11-27 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.	Regional	R5

Key	Item	Status	Statewide or Regional Project	Org. Lead
A	USFS MOU for BAER activities	2016-05-20 Staff has engaged the USFS in drafting an MOU that will outline the process by which the Regional Boards may choose to participate in USFS Burned Area Emergency Response (BAER) teams. Temporarily on hold due to vacancies at the regional USFS office	Regional	R5
A	Development of permit for Federal Non-Point Source activities on Forest Lands	2018-01-02 R5 staff is working with the USFS and the BLM to develop a permit to cover NPS activities with the potential to affect water quality. The R5 MS4 permit is being used as a model and an EIR will be developed to address CEQA. Additionally, R5 and R6 are collaborating on this project. 6 initial public outreach meetings were held from October through early December 2017. Project information can be found here: http://www.waterboards.ca.gov/lahtontan/water_issues/programs/nps/federal_lands/	Regional	R5
A	Delta Regional Monitoring Program- RMP	2017-12-28 The Delta RMP work plan and budget for FY17/18 includes monitoring for mercury in water and fish at multiple sites and an initial assessment of nutrient spatial variability across the Delta. The Steering Committee has not yet approved a work plan for pesticides and toxicity monitoring. The TAC is currently developing monitoring plans for all three constituents for next FY.	Statewide	SB
A	Cadmium Objective and Hardness Implementation Policy	2017-06-28 Staff are working to update the cadmium objectives to insure that the objectives are protective of threatened and endangered species in accordance with the Endangered Species Act. Cadmium is a hardness dependent metal, so the project is linked with a Hardness Implementation Policy to provide guidance to Regional Board staff in determining hardness for setting effluent limits. The project is currently on hold pending available staff resources.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A	Statewide Storm Water Construction General Permit Reissuance	<p>2018-01-09 State Water Board staff is developing the draft permit language for the reissuance of the Statewide Storm Water Construction General Permit (also referred to as the CGP). The proposed CGP reissuance will include implementation of Total Maximum Daily Loads and revisions to update the CGP requirements per information collected during the term of the existing permit. Information on the development of the proposed permit reissuance, including stakeholder outreach information, is posted on the State Water Board's Construction Storm Water Program website at: http://www.waterboards.ca.gov/water_issues/programs/stormwater/construction.shtml. The public comment period for the draft permit is proposed for July 2018.</p>	Statewide	SB
A	Once-Through Cooling Policy - Diablo Canyon Closure	<p>2018-01-09 The Statewide Policy on the Use of Coastal and Estuarine Waters for Power Plant Cooling, also known as the Once-Through Cooling or OTC Policy, regulates the use of seawater for cooling purposes at nineteen power plants in California. Ten active plants must implement measures to mitigate interim impingement and entrainment impacts until they come into full compliance with the policy. Mitigation payment determinations for eight power plants are based on default calculations in accordance with Resolution No. 2015-0057. These are Alamitos, Harbor, Haynes, Huntington Beach, Mandalay, Ormond, Redondo Beach, and Scattergood generating stations. The determinations for Diablo Canyon Nuclear Power Plant and Encina Generating Station are based on a site-specific calculation. In December 2017, final determinations and invoices were released for Alamitos, Diablo Canyon, Harbor, Haynes, Mandalay, Ormond, Redondo Beach, and Scattergood generating stations. The draft determination for Encina Generating Station was released for public comment. Public comments were due January 2, 2018. Currently, the final determination is under review for its signature</p>	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A	Once-Through Cooling [OTC] Policy-Implementation, interim mitigation payments	2018-01-09 The Statewide Policy on the Use of Coastal and Estuarine Waters for Power Plant Cooling, also known as the Once-Through Cooling or OTC Policy, regulates the use of seawater for cooling purposes at nineteen power plants in California. Ten active plants must implement measures to mitigate interim impingement and entrainment impacts until they come into full compliance with the policy. Mitigation payment determinations for eight power plants are based on default calculations in accordance with Resolution No. 2015-0057. These are Alamitos, Harbor, Haynes, Huntington Beach, Mandalay, Ormond, Redondo Beach, and Scattergood generating stations. The determinations for Diablo Canyon Nuclear Power Plant and Encina Generating Station are based on a site-specific calculation. In December 2017, final determinations and invoices were released for Alamitos, Diablo Canyon, Harbor, Haynes, Mandalay, Ormond, Redondo Beach, and Scattergood generating stations. The draft determination for Encina Generating Station was released for public comment. Public comments were due January 2, 2018. Currently, the final determination is under review for its signature	Statewide	SB
A	Implement Mercury TMDL/Control Program in Cache Creek Watershed - Sacramento River and San Joaquin River Basin Plan	2017-12-28 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.	Regional	R5
P	Water Effects Ratios	2016-07-25 The project will establish criteria for developing site specific objectives for metals based on the water effect ratios for a specific water body. Staff will prepare a proposed Water Effects Ratio Policy at a future date.	Statewide	SB
P	Chlorine Amendment	2017-02-28 The draft Total Residual Chlorine and Chlorine-Produced Oxidants Policy of California is being converted into an amendment to the Water Quality Control Plan for Inland Surface Waters, Enclosed Bays, and Estuaries of California.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
P	Antidegradation Policy	2017-10-27 The State Water Board issued a draft scoping document and held follow-up focused stakeholder meetings in June and July 2015. Comments from these meetings are summarized and posted on the program website. State Water Board staff is not actively working on a statewide policy for implementation of the Antidegradation Policy for discharges to groundwater. The draft Eastern San Joaquin River Watershed Agricultural Order addresses some of the larger issues the stakeholders identified during staff's outreach efforts. Staff will consider what additional guidance or regulatory action is necessary after the State Water Board issues a final order in the Eastern San Joaquin matter. The second draft order was released on October 10, 2017.	Statewide	SB
P	Modify the Beneficial Uses for Freshwater Aquatic Habitat and Remove Spawning for West Squaw Creek - Amendment to the Sacramento River and San Joaquin River Basin Plan	2017-09-19 Use Attainability Analysis was conducted to demonstrate the current beneficial uses assigned to West Squaw Creek, a stream heavily impacted by acid mine drainage, are not achievable. Specifically, the stream cannot support fish and other pH or metal sensitive aquatic species and spawning of selected fish species defined in the Basin Plan. A Staff Report including the proposed amendments and CEQA functional equivalent document was presented to the Regional Board on 9 July 2004. The Regional Board adopted Resolution R5-2004-0090 which included the UAA, Staff Report, Functional Equivalent Document and proposed amendments. BPA not accepted by State Board staff. Staff gathering additional information to respond to State Board and USEPA staff comments. Expected completion date 2018.	Regional	R5
P	New Manual of Good Practice for Land Application of Food Processing/Rinse Water	2017-09-20 Industry recommendations have been reviewed by CV-SALTS Management Practices Subcommittee. Currently the CV-SALTS Management Practices Subcommittee is on hold while salinity management alternatives are being evaluated	Regional	R5

Status Code Key:

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

ATTACHMENT A - Sanitary Sewer Overflow (SSO) Spills – Summary Report
 Count of Spills for October 2017

Count of Spills	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	
Month													
October 2017	0	1	5	6	0	0	1	1	3	5	87	95	102

Spill Cause	Count of Spills	%
Root Intrusion	50	49.0%
Debris-General	15	14.7%
Grease Deposition (FOG)	9	8.8%
Pipe Structural Problem/Failure	5	4.9%
Debris from Lateral	4	3.9%
Other	4	3.9%
Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure	3	2.9%
Damage by Others Not Related to CS Const/Maint.	3	2.9%
Debris from Construction	2	2.0%
Pump Station Failure-Power	2	2.0%
Debris-Rags	1	1.0%
Operator Error	1	1.0%
Pump Station Failure-Controls	1	1.0%
Pump Station Failure-Mechanical	1	1.0%
Vandalism	1	1.0%
Grand Total	102	100%

Category 1: Discharges of untreated or partially treated wastewater of any volume resulting from an enrollee’s sanitary sewer system failure or flow condition that:

- Reach surface water and/or reach a drainage channel tributary to a surface water; or
- Reach a Municipal Separate Storm Sewer System (MS4) and are not fully captured and returned to the sanitary sewer system or not otherwise captured and disposed of properly. Any volume of wastewater not recovered from the MS4 is considered to have reached surface water unless the storm drain system discharges to a dedicated storm water or groundwater infiltration basin (e.g., infiltration pit, percolation pond).

Category 2: Discharges of untreated or partially treated wastewater of 1,000 gallons or greater resulting from an enrollee’s sanitary sewer system failure or flow condition that do not reach surface water, a drainage channel, or a MS4 unless the entire SSO discharged to the storm drain system is fully recovered and disposed of properly

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

ATTACHMENT A - Sanitary Sewer Overflow (SSO) Spills - October 2017

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters?	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
SS	Sacramento Area Sewer District CS	55SO10912	840780	Certified	Category 1	197532	Sacramento	Yes	727	696	10/9/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841021	Certified	Category 1	198432	Sacramento	Yes	100	100	10/19/2017	Debris-General
SS	Amador City CS	55SO10863	840804	Certified	Category 1	Cleanout at Walkway Bridge over Drainage Way behind 10765 Fleehart Street	Amador	Yes	75	75	10/13/2017	Other (specify below)
5F	Delhi CWD CS	55SO11283	840904	Certified	Category 2	Force Main Leak on 2nd Ave South approx. 400 feet west of Sycamore Street	Merced	No	475,000	0	10/6/2017	Damage by Others Not Related to CS Construction/Maintenance (Specify B
SS	City of Stockton MUD CS	55SO11433	840809	Certified	Category 2	2739 Canyon Creek Drive	San Joaquin	No	12,035	0	10/8/2017	Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure
SS	Sacramento Area Sewer District CS	55SO10912	841904	Certified	Category 2	197396	Sacramento	No	7,286	0	10/22/2017	Other (specify)
SS	Sacramento Area Sewer District CS	55SO10912	841042	Certified	Category 2	198565	Sacramento	No	2,507	0	10/22/2017	Debris-General
SS	City of Sacramento Combined CS	55SO10901	840990	Certified	Category 2	1 Capitol Mall Sacramento, Ca.	Sacramento	No	2,182	0	10/19/2017	Pump Station Failure-Power
SS	City of Sacramento Utilities CS	55SO10901	840696	Certified	Category 2	7487 Sylvia Way Sacramento, CA.	Sacramento	No	1,605	0	10/5/2017	Root Intrusion
SS	Penn Valley CS	55SO11022	840989	Certified	Category 3	18447 easy street penn valley ca.	Nevada	No	900	0	10/1/2017	Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure
SS	City of Sacramento Combined CS	55SO10901	840953	Certified	Category 3	2750 5th street Sacramento, Ca.	Sacramento	No	701	0	10/12/2017	Root Intrusion
5F	North of River Sanitary District #1 CS	55SO10750	841160	Certified	Category 3	1616 Norris Road MH	Kern	No	483	0	10/27/2017	Grease Deposition (FOG)
SS	City of Sacramento Utilities CS	55SO10901	841338	Certified	Category 3	6801 freeport Blvd. Sacramento, CA.	Sacramento	No	404	0	10/28/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841927	Certified	Category 3	197782	Sacramento	No	277	0	10/12/2017	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	841883	Certified	Category 3	197456	Sacramento	No	161	0	10/9/2017	Root intrusion
SS	City Of Ione CS	55SO10894	840938	Certified	Category 3	Ione, CA Corner of Market St & Ione St.	Amador	No	150	0	10/18/2017	Other (specify below)
SS	Galt CS	55SO10951	841033	Certified	Category 3	495 Industrial Drive, Galt, CA95632	Sacramento	No	109	0	10/23/2017	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	55SO10912	841895	Certified	Category 3	196904	Sacramento	No	104	0	10/1/2017	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841881	Certified	Category 3	198681	Sacramento	No	101	0	10/24/2017	Debris-General
5F	Tuolumne Utilities District CS	55SO10771	841307	Certified	Category 3	C/O behind carport at 184 Skyway	Tuolumne	No	100	0	10/27/2017	Grease Deposition (FOG)
SS	Penn Valley CS	55SO11022	840991	Certified	Category 3	10842 Devonshire circle Penn Valley Ca	Nevada	No	100	0	10/16/2017	Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure
SS	Dry Creek CS	55SO10935	841083	Certified	Category 3	615 Main St.	Placer	No	96	0	10/17/2017	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	55SO10912	841877	Certified	Category 3	197983	Sacramento	No	90	0	10/16/2017	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841912	Certified	Category 3	197563	Sacramento	No	88	0	10/11/2017	Root intrusion
SS	Easterly CS	55SO10938	841154	Certified	Category 3	2142 beard ct.	Solano	No	85	0	10/25/2017	Grease Deposition (FOG)
SS	Ceres CS	55SO10721	840833	Certified	Category 3	2205 Eloise Ave. Ceres, CA.	Stanislaus	No	81	0	10/16/2017	Grease Deposition (FOG)
5R	Shasta Lake CS	55SO10851	841329	Certified	Category 3	Manhole E1A Grand River Ave & Main St	Shasta	No	75	0	10/30/2017	Other (specify below)
SS	West Sacramento CS	55SO11082	840936	Certified	Category 3	1179 Clarendon Street, West Sacramento, CA 95691	Yolo	No	70	0	10/10/2017	Debris from Lateral
SS	City Of Antioch CS	55SO10890	841255	Certified	Category 3	2359 Peachtree Circle, Antioch CA, 94509	Contra Costa	No	59	0	10/10/2017	Debris-General
SS	City of Stockton MUD CS	55SO11433	840733	Certified	Category 3	9215 Bainbridge Pl. Stockton Ca.	San Joaquin	No	55	0	10/9/2017	Debris from Lateral
5F	Tehachapi, City Of CS	55SO10764	840816	Certified	Category 3	Intersection of Beech Street and Cherry Lane	Kern	No	50	0	10/13/2017	Grease Deposition (FOG)
SS	Nevada City CS	55SO11011	841230	Certified	Category 3	540 West Broad st	Nevada	No	50	0	10/29/2017	Debris-Rags
SS	Sacramento Area Sewer District CS	55SO10912	841917	Certified	Category 3	198295	Sacramento	No	48	0	10/16/2017	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841898	Certified	Category 3	198341	Sacramento	No	44	0	10/18/2017	Root intrusion
SS	City of Stockton MUD CS	55SO11433	840672	Certified	Category 3	1109 S. El Dorado St. Stockton Ca.	San Joaquin	No	33	0	10/4/2017	Debris from Lateral
SS	Sacramento Area Sewer District CS	55SO10912	841889	Certified	Category 3	196827	Sacramento	No	32	0	10/1/2017	Debris-General
SS	City of Stockton MUD CS	55SO11433	840848	Certified	Category 3	4066 Pine Lake Circle Stockton Ca.	San Joaquin	No	31	0	10/15/2017	Grease Deposition (FOG)
SS	City of Stockton MUD CS	55SO11433	841168	Certified	Category 3	1140 N. Wilson Way Stockton Ca	San Joaquin	No	27	0	10/28/2017	Debris from Lateral
SS	Sacramento Area Sewer District CS	55SO10912	841892	Certified	Category 3	197910	Sacramento	No	26	0	10/15/2017	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841884	Certified	Category 3	198605	Sacramento	No	22	0	10/22/2017	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841894	Certified	Category 3	199042	Sacramento	No	22	0	10/28/2017	Root intrusion
SS	County Service Area 44 Zone G CS	55SO11483	843099	Certified	Category 3	Lamp Hole in front of 27632 Leeanna Lane	San Joaquin	No	20	0	10/31/2017	Pump Station Failure-Controls
SS	Sacramento Area Sewer District CS	55SO10912	841900	Certified	Category 3	197781	Sacramento	No	17	0	10/12/2017	Pipe Structural Problem/Failure
5F	City Of Bakersfield CS	55SO10717	841040	Certified	Category 3	31st and Q St.	Kern	No	15	0	10/19/2017	Grease Deposition (FOG)
SS	Rancho Murieta Community Service District	55SO11487	841172	Certified	Category 3	behind 6633 Ventana	Sacramento	No	15	0	10/25/2017	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	841902	Certified	Category 3	198620	Sacramento	No	12	0	10/23/2017	Debris-General
SS	City Of Antioch CS	55SO10890	841253	Certified	Category 3	1100 Ames Ct, Antioch CA 94509	Contra Costa	No	11	0	10/18/2017	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841885	Certified	Category 3	199434	Sacramento	No	11	0	10/31/2017	Damage by others not related to CS Const/Maint.
SS	Sacramento Area Sewer District CS	55SO10912	841923	Certified	Category 3	197420	Sacramento	No	11	0	10/9/2017	Root intrusion
SS	Davis CS	55SO10921	840817	Certified	Category 3	1432 Drake Dr.	Yolo	No	10	0	10/15/2017	Root Intrusion
SS	Deer Creek CS	55SO10923	841405	Certified	Category 3	DC-2017-10-09	El Dorado	No	10	0	10/11/2017	Root Intrusion
SS	Dry Creek CS	55SO10935	840980	Certified	Category 3	245 Duranta	Placer	No	10	0	10/9/2017	Debris from Construction
SS	Stonegate Village CS	55SO11060	840805	Certified	Category 3	3085 Jefferson Ave	Sutter	No	10	0	10/2/2017	Pump Station Failure-Mechanical
SS	Sacramento Area Sewer District CS	55SO10912	841905	Certified	Category 3	198199	Sacramento	No	9	0	10/16/2017	Root intrusion
SS	City of Stockton MUD CS	55SO11433	841003	Certified	Category 3	5502 Ridgeway Ave Stockton Ca.	San Joaquin	No	9	0	10/19/2017	Root Intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841873	Certified	Category 3	197904	Sacramento	No	8	0	10/14/2017	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	55SO10912	841880	Certified	Category 3	198656	Sacramento	No	8	0	10/23/2017	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841887	Certified	Category 3	198552	Sacramento	No	8	0	10/21/2017	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841888	Certified	Category 3	199135	Sacramento	No	7	0	10/30/2017	Root intrusion

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
SS	Sacramento Area Sewer District CS	55SO10912	841899	Certified	Category 3		199138 Sacramento	No	7	0	10/30/2017	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841916	Certified	Category 3		197866 Sacramento	No	7	0	10/13/2017	Root intrusion
5F	Livingston City CS	55SO11309	841132	Certified	Category 3	BriarWood Lift Station	Merced	No	6	0	10/21/2017	Pump Station Failure-Power
SS	Sacramento Area Sewer District CS	55SO10912	841915	Certified	Category 3		197397 Sacramento	No	6	0	10/7/2017	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841921	Certified	Category 3		196994 Sacramento	No	6	0	10/3/2017	Root intrusion
SS	City Of Antioch CS	55SO10890	841268	Certified	Category 3	2637 Coffee Tree Way, Antioch CA 94509	Contra Costa	No	5	0	10/29/2017	Root intrusion
SS	City Of Jackson CS	55SO10895	840714	Certified	Category 3	206 Broadway	Amador	No	5	0	10/6/2017	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841872	Certified	Category 3		197407 Sacramento	No	5	0	10/8/2017	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	841875	Certified	Category 3		197429 Sacramento	No	5	0	10/9/2017	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841876	Certified	Category 3		197864 Sacramento	No	5	0	10/13/2017	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841897	Certified	Category 3		197901 Sacramento	No	5	0	10/14/2017	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	841903	Certified	Category 3		197388 Sacramento	No	5	0	10/7/2017	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841907	Certified	Category 3		197395 Sacramento	No	5	0	10/7/2017	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841911	Certified	Category 3		198945 Sacramento	No	5	0	10/27/2017	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841918	Certified	Category 3		198720 Sacramento	No	5	0	10/24/2017	Root intrusion
SS	City of Woodland CS	55SO10903	841047	Certified	Category 3	12 Mariposa St	Yolo	No	5	0	10/9/2017	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841871	Certified	Category 3		197865 Sacramento	No	4	0	10/13/2017	Vandalism
SS	Sacramento Area Sewer District CS	55SO10912	841874	Certified	Category 3		198713 Sacramento	No	4	0	10/24/2017	Damage by others not related to CS Const/Maint.
SS	Sacramento Area Sewer District CS	55SO10912	841882	Certified	Category 3		198885 Sacramento	No	4	0	10/25/2017	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841910	Certified	Category 3		198887 Sacramento	No	4	0	10/25/2017	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841913	Certified	Category 3		197952 Sacramento	No	4	0	10/16/2017	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841914	Certified	Category 3		198581 Sacramento	No	4	0	10/22/2017	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841919	Certified	Category 3		199085 Sacramento	No	4	0	10/30/2017	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841922	Certified	Category 3		197089 Sacramento	No	4	0	10/4/2017	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841924	Certified	Category 3		197893 Sacramento	No	4	0	10/14/2017	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841929	Certified	Category 3		198686 Sacramento	No	4	0	10/24/2017	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	841886	Certified	Category 3		197180 Sacramento	No	3	0	10/3/2017	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841890	Certified	Category 3		197851 Sacramento	No	3	0	10/13/2017	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	841893	Certified	Category 3		199014 Sacramento	No	3	0	10/28/2017	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	841901	Certified	Category 3		197791 Sacramento	No	3	0	10/13/2017	Pipe Structural Problem/Failure
SS	Sacramento Area Sewer District CS	55SO10912	841909	Certified	Category 3		198596 Sacramento	No	3	0	10/23/2017	Root intrusion
SS	City of Stockton MUD CS	55SO11433	841274	Certified	Category 3	151 Glasgow Stockton Ca	San Joaquin	No	3	0	10/30/2017	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841891	Certified	Category 3		197909 Sacramento	No	2	0	10/15/2017	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841906	Certified	Category 3		196819 Sacramento	No	2	0	10/1/2017	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841908	Certified	Category 3		197644 Sacramento	No	2	0	10/11/2017	Debris-General
SS	Sacramento Area Sewer District CS	55SO10912	841920	Certified	Category 3		199417 Sacramento	No	2	0	10/31/2017	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841926	Certified	Category 3		197419 Sacramento	No	2	0	10/9/2017	Grease deposition (FOG)
SS	El Dorado Hills CS	55SO10941	841417	Certified	Category 3	EDH-2017-10-05	El Dorado	No	1	0	10/17/2017	Debris from Construction
SS	Sacramento Area Sewer District CS	55SO10912	841878	Certified	Category 3		198801 Sacramento	No	1	0	10/25/2017	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841879	Certified	Category 3		197551 Sacramento	No	1	0	10/11/2017	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	55SO10912	841896	Certified	Category 3		197406 Sacramento	No	1	0	10/8/2017	Root intrusion
SS	Sacramento Area Sewer District CS	55SO10912	841928	Certified	Category 3		198260 Sacramento	No	1	0	10/17/2017	Operator error
SS	City of Stockton MUD CS	55SO11433	840675	Certified	Category 3	328 Huntington Ct Stockton Ca.	San Joaquin	No	1	0	10/5/2017	Debris-General