

**California Regional Water Quality Control Board
 Central Valley Region
 Pamela C. Creedon, Executive Officer
 Patrick Pulupa, *Special Consultant (Incoming Executive Officer)***



**EXECUTIVE OFFICER’S REPORT
 May 31/June 1, 2018**

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Dear Board and Staff

This is my 80th and final EO Report. I want to take this opportunity to extend my sincerest gratitude for the opportunity to serve this Board for the past 12 years as its Executive Officer. It has been a privilege to work for the Board and with our fantastic staff. I have such respect for the Water Board's mission and the very important charge we are given to protect the quality of the surface and groundwaters of the Central Valley. Water is an essential element of life. Humans, plants, animals, aquatic life, and other forms of life all need water to live. The charge in protecting its quality coupled with the delicate balance of competing uses and priorities provided both a challenge and opportunity for me, staff and this Board. Nearly all the projects we have worked on over my tenure have been significant and wide-reaching within our region. These regulatory programs impact many different interests and all those interests had a critical part in their development:

- CV-SALTS
- Methyl-Mercury Control Program
- Irrigated Lands Regulatory Programs
- Dairy and Confined Animals Regulatory Programs
- Dairy Digester EIR and permits
- Cannabis Program
- Oil Fields Program
- Food Safety
- Expanding the Forest Activities Program
- Pyrethroid Control Program
- Harmful Algal Blooms
- Regionwide MS4 Permit
- Sacramento Regional Sanitation District Permit
- NPDES General Permit for POTWs
- Aquifer Storage and Recovery System
- Delta Strategic Plan
- Delta Regional Monitoring Program
- Groundwater Quality Strategy
- Portfolio Management
- OTWS Policy

Words cannot express how grateful I am to my executive team and staff. Without them the above projects and all the other work not listed would not have happened. They are exceptional professionals, talented individuals that are committed to the Board's.

I have been blessed to have been given the chance to serve the Board and the public these past 12 years. I am thankful for all the support and help over the years. I look very forward to this new chapter in my life knowing I can rest easy because I leave knowing the Board is in good hands. Patrick Pulupa will be an outstanding Executive Officer.

In gratitude,
Pamela

SUCCESS STORIES

1. **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**

- **Caltrans Transportation Laboratory, 5900 Folsom Boulevard, Sacramento, Sacramento County.** The approximate 20-acre Transportation Laboratory facility was built in the 1950s to provide laboratory and technical support services to Caltrans. In 2004, Caltrans identified trichloroethene pollution in site groundwater as part of an investigation performed prior to property renovation. The source of the spill was undetermined but could include leakage or surface spills. Subsequent groundwater monitoring has indicated that residual concentrations of trichloroethene have generally decreased to below water quality objectives and are expected to continue to decline. A conditional No Further Action Determination letter was issued on March 21, 2018. (NC)
- **Water Supply Connection, Cara Bay Apartment Complex, Stockton Boulevard, Sacramento.** On 8 March 2018 the Cara Bay apartment complex, located at 6125 Stockton Boulevard in Sacramento, completed a connection to municipal water service. The apartment complex previously relied on an on-site well to provide water service. In June 2016 the well was sampled as part of an investigation of tetrachloroethylene (PCE) contamination in groundwater in the area. PCE was detected in the Cara Bay well at a concentration of 2 micrograms per liter ($\mu\text{g/L}$) in June 2016, and in May 2017 PCE was detected at a concentration of 11 $\mu\text{g/L}$, exceeding the MCL of 5 $\mu\text{g/L}$. The Sacramento Area Sewer District, which as a potentially responsible party for the PCE release had previously entered a Supplemental Environmental Program to provide municipal water connection to residents with contaminated domestic wells as part of an unrelated ACLO settlement, provided bottled water to residents while engineering and permitting work for a permanent municipal water connection proceeded. The apartment complex has completely transitioned to municipal water, and the contaminated well is no longer in service.
- **Former Porterville Army Airfield, 1893 S. Newcomb Street, Porterville, Tulare County.** The Porterville Army Airfield was a World War II defense site that is now occupied by the Porterville Municipal Airport. Four inactive fueling pits remained at the site and were the last WW II remnants at the airport. The fuel pits were removed and disposed of. No physical indications (odor or staining) of negatively impacted soil were noted during the excavation activities. Soil samples collected from the bottom of each fuel pit were below project action levels. Excavated soil and additional clean imported fill were used to backfill the excavated areas. A Fact Sheet proposing site closure was distributed to nearby property owners and interested parties, and was posted on the Central Valley Water Board website. No comments were received. A closure letter was issued on 6 April 2018.
- **Lakeland Dusters, 7124 Whitley Avenue, Corcoran, Kings County.** During a site inspection at Lakeland Dusters, a sump was full and soil near the sump was wet due to overflow. In addition, the asphalt near the mixing and loading area was observed to be worn and cracked. Soil samples were collected adjacent to the sump and beneath the asphalt. Constituents of concern were not detected above

laboratory method detection limits. Improvements to the mixing and loading area were completed, including removing and replacing the original sump with a larger structure. In addition, damaged and cracked asphalt was removed and replaced, and six-inch concrete curbs were installed to channel run-off flows into the new sump. A Fact Sheet proposing site closure was distributed to nearby property owners and interested parties, and was posted on the Central Valley Water Board website. No comments were received. A closure letter was issued on 26 March 2018.

- **Former Chevron Fuel Terminal, 4073 S. Maple Ave., Fresno, Fresno County.** The Chevron Fuel Terminal experienced a gasoline spill in 1988 that resulted in residual gasoline being washed into nearby storm water ponds. Eleven groundwater monitoring wells were installed and petroleum hydrocarbons, tetrachloroethylene (PCE), and trichloroethene (TCE) were found in groundwater. The TCE and PCE most likely did not originate from the 1988 gasoline spill. Groundwater sampling in 1995 indicated low levels of petroleum hydrocarbons and TCE were still present. Because of dropping groundwater levels, three new monitoring wells were installed in 2015. Both soil and groundwater samples were non-detect for constituents of concern. A Fact Sheet proposing site closure was distributed to nearby property owners and interested parties, and was posted on the Central Valley Water Board website. No comments were received. A closure letter was issued on 13 April 2018.

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

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

Fresno Office

None

Redding Office

None

Sacramento Office

- **EBMUD Bixler Maintenance Facility, 50 Bixler Road, Brentwood, Contra Costa County**
The Site is an active East Bay Municipal Utilities District (EBMUD) maintenance facility that supports the operation of the EBMUD Mokelumne Aqueduct located on the northern edge of the property. In 1979, EBMUD removed a 500- gallon gasoline UST from the Site. In 1990, EBMUD removed three 1,000-gallon gasoline USTs and one 110-gallon diesel UST from the Site. During UST system removal, EBMUD detected petroleum hydrocarbons in soil samples collected beneath the former USTs. Subsequent investigation confirmed petroleum hydrocarbon impacts to soil and groundwater underlying the Site. Soil excavation removed approximately 29 pounds of petroleum hydrocarbons from the subsurface. While the Site is not within the service area of a water district, groundwater monitoring data indicate that residual petroleum hydrocarbons from the release do not appear to pose a threat to the nearby domestic wells, to human health, or to the environment. The Site meets the other the general and site-specific criteria for case closure under the Low-Threat Closure Policy. The Site was closed on 10 April 2018.

- Main Street Courthouse, 495 Main Street, Placerville, El Dorado County**
 An Unauthorized Release Report was filed in August 2009, following the removal of a heating oil UST from the Main Street Courthouse (El Dorado County Superior Court). The first assessment was performed at the Site in 2010, and four monitoring wells were installed at the Site in 2015. Since then, petroleum hydrocarbons in groundwater have naturally attenuated to within Low Threat Closure Policy parameters. While petroleum hydrocarbons remain beneath the Site, groundwater sampling data show that the impact to groundwater is defined, stable and is expected to attenuate below established water quality objectives (WQOs) within a reasonable timeframe. The nearest surface water body borders the north end of the Site; however, petroleum hydrocarbons were not detected in samples collected from Hangtown Creek. Therefore, the remaining petroleum constituents are unlikely to pose a threat to human health or further impact waters of the state as they attenuate. This case was closed on 29 March 2018.
- George's Service Station, 1680 Durham Ferry Rd, Tracy, San Joaquin County**
 An Unauthorized Release Report was filed in March 1989 following review of Site inventory records. Two 1,000-gallon fuel USTs were removed from the Site in January 1990, and a 400-gallon waste oil UST and a 300-gallon kerosene UST were removed from the Site in April 1990. Multiple phases of investigation and remediation were conducted between 1990 and 2018. In July 2001, approximately 500 cubic yards of impacted soil, containing approximately 4,900 pounds of hydrocarbons, were excavated from the former UST area. Between September 2012 and October 2016 approximately 10,600 pounds of vapor-phase hydrocarbons were removed via soil vapor extraction. Although three domestic water supply wells are within 250 feet of the Site, petroleum hydrocarbons have not been detected in samples collected from these wells and petroleum hydrocarbons have not been detected above laboratory detection limits in the deeper water zones. The Site meets the Low-Threat Closure Policy's Groundwater Specific Scenario 5 as Central Valley Regional Board staff determined that under reasonable anticipated near future scenarios the contaminant plume poses a low threat to human health and safety and to the environment and water quality objectives will be achieved within a reasonable time frame. The Site meets the rest of the general and media specific criteria for case closure, and the case was closed on 2 April 2018.
- U-Haul Facility #710050, 2701 N. Wilson Way, Stockton, San Joaquin, County (Site)**
 The Site is currently in use as a U-Haul moving, storage, and truck rental facility in a commercial area of Stockton. In 1990, an unauthorized release of petroleum hydrocarbons was confirmed via soil sampling following the removal of an on-Site UST system. U-Haul subsequently commenced groundwater monitoring at the Site in 1992 and conducted remedial activities (soil-vapor extraction/air-sparging) from October 2007 to December 2009 and again from September 2010 to February 2012 (air-sparging continued until November 2012) after reaching asymptotic mass-recovery conditions. U-Haul removed approximately 31,950 pounds (4,475 gallons) of petroleum hydrocarbons from the Site through operation of the remediation system. Dissolved-phase petroleum hydrocarbon concentrations have generally exhibited stable to decreasing trends during the most recent monitoring events and are expected to further attenuate below established water quality objectives within a reasonable timeframe. Remaining residual petroleum hydrocarbons beneath the Site meet Low-Threat Closure Policy criteria and are not likely to pose a threat to human health or impact waters of the State. This site was closed on 10 April 2018.
- Magnolia Ave Heating Oil Tank, 231 Magnolia Avenue, Modesto, Stanislaus County**
 On 17 November 2016, City of Modesto (Modesto) removed a UST that was approximately 500 gallons in volume, and located within the city right-of-way at 231 Magnolia Avenue. The UST stored heating oil for the adjacent residence. During UST removal, Modesto excavated approximately 6 cubic yards of soil and collected three soil samples from excavation pit. Modesto detected 6,500 milligrams per kilogram (mg/kg) diesel-range petroleum hydrocarbons (TPHd) and 94 mg/kg motor oil-range petroleum hydrocarbons (TPHmo) in the sample collected from 6 feet below ground surface (bgs) beneath the former UST footprint. On 4 December 2017, Modesto advanced an investigative boring within the footprint of the former UST. Modesto collected three soil samples from depths of 20 to 56 feet bgs and one groundwater sample from the boring. Modesto did not detect TPHd or TPHmo above laboratory reporting limits in these samples.

Central Valley Water Board staff concurred with Modesto's conclusion that the release was limited to the top 20 feet (or shallower) of vadose zone soil, and groundwater was not impacted. The case was closed on 13 February 2018.

- **Westley Fuel Service, 4549 Ingram Stream Road, Westley, Stanislaus County**

The Site is an active commercial truck and auto fuel station which consists of an active commercial fueling station, restaurant, and mini-mart. In August 1989 Westley reported an unauthorized release of petroleum hydrocarbons due to a leak in a gasoline product line near the fuel islands. Soil vapor extraction removed approximately 150 pounds of petroleum from the subsurface, and dual phase extraction pilot testing removed approximately 5 pounds of petroleum hydrocarbons from the subsurface. Monitoring data indicate that residual petroleum hydrocarbons in groundwater do not pose a threat to human health or the environment. The Site meets the general and media-specific criteria for case closure under the Low-Threat Closure Policy. The Site was closed on 10 April 2018.

- **Paradise Rocket Short Property (Former), 505 Paradise Road, Modesto, Stanislaus County**

The Site, which was a retail fueling station until 1997, is currently an empty lot on Paradise Road in Modesto. In July 1997, an unauthorized release of petroleum hydrocarbons was discovered following the removal of a diesel and four gasoline USTs. Approximately 184 cubic yards of petroleum impacted soil were removed and disposed of offsite. Approximately 2,450 pounds (340 gallons) of petroleum hydrocarbons have been removed from the Site through excavation, ozone injection, and natural attenuation. Groundwater sampling data show that the impact to groundwater is defined, stable and is expected to attenuate below established WQOs 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 for regulatory closure in accordance with the Low-Threat Closure Policy. This site was closed on 14 March 2018.

STAFF RECOGNITION

SUPERIOR ACCOMPLISHMENT AWARD EMPLOYEE OF THE MONTH

SACRAMENTO OFFICE MARCH 2018

Employees: Anne Littlejohn, Glenn Meeks, Cindy AuYeung; True Khang; and
Walt Plachta (from Fresno)
Section: Planning Section—CV-Salts Program
Title: Various
Supervisor: Jeanne Chilcott

These five -staff are receiving this award for their outstanding team effort that resulted in completion and public posting of a staff report on March 22nd that supports amendments to incorporate a Salt and Nitrate Control Program into both our Sacramento/San Joaquin and Tulare Lake Basin Plans. The Control Program is based on the CV-SALTS Salt and Nitrate Management Plan that was submitted to our Board in January 2017. Since that time, there have been continued stakeholder meetings resulting in discussions, options and revisions to proposed Basin Plan language. By early December 2017, the team had culled out over 75-pages of proposed language that formed the basis of a public workshop held on January 19th. On January 20th, they hit the ground running armed with draft language and workshop comments, to develop the staff report for the proposed amendments. The staff report serves as the substitute environmental documentation for the project and as such must clearly define the proposed project, alternatives considered and consistency with laws and policies in addition to providing a thorough environmental, economic and antidegradation evaluation.

The group worked morning, nights and weekends—subsisting in a large part on chocolate—and not only provided the required review and documentation of material discussed in January, but also incorporated additional information and proposed options identified during stakeholder meetings held on February 2nd and March 8th. The phenomenal effort resulted in proposed amendments for a phase Salt Control Program, prioritized Nitrate Control Program, Conditional Prohibition of salt and nitrate discharges, monitoring and surveillance requirements, and clarification, revision and development of several policies to support program goals of ensuring safe drinking water, balancing salt and nitrate loading, and restoring groundwater basins. The public release of the report at the end of March, takes us one step closer to Board consideration of adoption at a hearing on May 31st, an action which would not have been possible without the sustained and focused effort of the team.

Employee: Hanna Kutsapalava
Unit: Administration
Title: Scientific Aid Student Assistant
Supervisor: Dave King

As a member of the CIWQS team, Anna works diligently to bring the CIWQS data current and provides outstanding support to our Region. Since the office implemented the data consolidation in August of 2017, Anna has been the “go-to” person for all things related to 401 Cert applications. She’s a fast learner and handled hundreds of incoming Discharger applications, including those that required further research, with minimal supervision.

Every October, Anna takes the initiative to update 600+ CAFO records to ensure billing addresses and animal counts are accurate prior to WDR invoices going out. She was also instrumental in cleaning up and updating hundreds of owner/operator records associated with dairy owners/operators who received certifications under the QAP program. Anna has worked tirelessly in support of the CAFO and 401 Cert programs, from entering Discharger application into CIWQS, to cleaning up hundreds, if not thousands of CIWQS records, in an effort to maintain data integrity.

Anna created an ACCESS database that the Admin Team is now using to enter and track all of Discharger applications under Gen Orders and/or Waivers. The database is also a tool that the Admin Unit now uses to issue

and track ACLs numbers and other enforcement actions. Anna's efforts allowed the Admin Unit to enter information accurately and in a timely manner. The creation of the Master-Assign-Number tracking ACCESS database has resulted in improvements to our tracking and numbering system and enhanced the Region's ability to provide management and staff access to the tracking tool with much ease.

In February 2018, Anna was tasked to create 118 Discharger applications under the Poultry Gen Order and did all entries accurately and in a timely fashion.

As you know, my job requires working often with staff to ensure everything related to CIWQS is done accurately and in a timely manner and I wanted to point out that Anna has played a key role in helping me maintain the ship afloat, so to speak. She is always so prompt, friendly, and willing to provide assistance to accommodate staff's many, many requests. She handles data entry in CIWQS competently, efficiently and with a positive attitude.

**FRESNO
MARCH 2018**

Employee: Lewis, Lummen
Unit: Confined Animal Facilities
Title: Engineering Geologist
Supervisor: Dale Essary

Lewis has worked as a staff geologist for the Confined Animal Facilities Unit for about two years, after earning his Geology degree at Sacramento State. He consistently demonstrates a willingness and ability to increase his knowledge of the Confined Animal Facilities program. He is professional in dealing with consultants and responsible parties for his projects. He has a good attitude and is focused on the more than one hundred projects he is assigned to. During February, Lewis completed six compliance inspections, had a Water Code section 13260 directive issued to a converted dairy, and completed the first draft of individual WDRs for a new dairy. Lewis has been coordinating with the Kings County Planning and Health departments regarding operational and permitting issues with goat and sheep dairies. In addition, he has been tracking changes at dairies affected by the High-Speed Rail Authority's imminent domain process. Lewis is also working on enforcement Orders for dairies with outstanding violations. Lewis is always willing to take on extra assignment, which he completes in a timely manner. He is a valuable asset to the Board

**REDDING OFFICE
MARCH 2018**

Employee: Kathleen Gilman
Unit: Cannabis Permitting and Compliance
Title: Associate Government Program Analyst
Supervisor: Elizabeth Betancourt

Katie Gilman is receiving this award for her work in helping the permitting and enforcement activities in the Cannabis Program to develop processes to increase functionality and efficiency as Region 5 transitions from the Regional Order to the Statewide Order. She has consistently demonstrated her understanding of the program needs and developed mechanisms to address those needs. For example, with a number of new staff coming on to support the program, and a number of databases to keep updated, Katie developed a table to track the type of document, enrollee tier and risk rating, and enrollee number. This table has allowed us to track data entries by enrollee, so that even when errors occur during the training process, we are able to go back in to the correct case and correct those.

Further, Katie has taken on the role of coordinating our CIWQS entries and data records. While she has experience with the database, this goes above and beyond what we had hoped for the position she has filled, and has increased the unit and program efficiency for both her supervisor and the program manager. She has also aided in helping new unit staff understand and ensure consistency in applying database protocols and recordkeeping.

Katie is always looking for more and better ways to do things. Her approach to challenges is analytical, detailed and presented with enthusiasm, and she is extremely adept at bringing others into the conversation and the process. These qualities have not only made for an invaluable employee, but also for an instrumental team member and colleague.

**SACRAMENTO
APRIL 2018**

Employee: Dania Jimmerson
Unit: Delta/San Joaquin Unit – NPDES Permitting
Title: Water Resource Control Engineer
Supervisor: Jim Marshall

Dania is being recognized for her outstanding work performance in the NPDES permitting section. Dania is known for amazing organizational skills and her attention to detail is unmatched. When a Special Project was presented for the NPDES Program to begin entering all technical reports into CIWQS, Dania gladly accepted the challenge. This was no small task with 60 permittees and nearly 600 technical reports.

Dania effectively coordinated with Regional Board permitting, compliance/enforcement, and IT staff, as well as, State Board CIWQS staff, and did an outstanding job of identifying issues and developing solutions to ensure successful completion of the project.

Dania's organizational skills and attention to detail were put to the test as she meticulously scoured through permits to identify and organize the technical reports for efficient CIWQS entry, and then followed up by double checking the CIWQS entries. Finally, she completed the project by developing procedures and training staff to organize technical reports for CIWQS entry for newly adopted permits. She also worked with State Board staff to implement CIWQS changes so permitting staff are notified when technical reports are submitted.

Thanks to Dania, dischargers are now using CIWQS to submit NPDES technical reports to the Board. This project was key to increasing staff efficiency. Board staff are immediately notified of submittals and can easily locate technical reports. Furthermore, the reports are now easily available to the public, adding transparency to the NPDES program.

Employee: John Murphy
Unit: Federal Cleanup
Title: Engineering Geologist
Supervisor: Marie McCrink

John Murphy started as an Engineering Geologist with the Site Cleanup Program in July of 2016. He has a Master of Science degree in Geology from the State University of New York at Binghamton. John came to the Water Board after 2 years of working with Schlumberger Limited where he was an electronic borehole logging expert, investigating and characterizing soil and rock formations in the subsurface. In less than two years' time, John has proved to be an extremely important asset to the Site Cleanup Program. He has learned Water Board processes and procedures very quickly and applied his technical skills with amazing aptitude and proficiency.

John's first 18 assignments required him to provide technical and regulatory oversight of PG&E cleanup activities at natural gas gathering sites. Each site had its own unique challenges and PG&E was requesting either new remediation, revision to existing permits, revisions to existing monitoring orders, or a No Further Action determination. John worked closely with his supervisor and enthusiastically learned the nitty gritty details of how we investigate, remediate and close a site. He also became a specialist at closing petroleum only sites using both the traditional Porter Cologne process and the Low Threat Closure Policy, depending on the site-specific attributes of each case. To date, John has closed 10 PG&E sites, and several more at military facilities. In addition to the 18 PG&E sites, John manages cleanup activities at numerous other private sites, and at the former Castle Air Force Base, Naval Radio Transmitter at Dixon, Nike Battery 10 near Travis Air Force Base, Naval Communications Center at Rough & Ready Island, and some Formerly Used Defense Sites.

Moreover, John found time to study for the Professional Geologist licensure exam and in December 2017, he obtained his Professional Geologist license on his first try. John has achieved excellent results on his cases with outcomes that are consistent with the policies, regulations, and requirements of the Central Valley Water Board. He is always willing to volunteer for extra jobs such as our section's lab coordinator. Finally, his friendly personality gives him the ability to build great relationships with co-workers, case managers from other agencies, and stakeholders, which truly makes the difference in getting sites cleaned up and closed.

**FRESNO
APRIL 2018**

Employee: Katie Carpenter
Unit: Non-15 Waste Discharge Requirements
Title: Engineering Geologist
Supervisor: Scott Hatton

Katie is receiving this award for her work in the Non-15 Waste Discharge Requirement permitting unit in the Fresno office. Katie's recent accomplishments include conducting pre-permit inspections at two wastewater treatment facilities to become familiar with the layout and operation of the facilities prior to drafting the WDRs and processing Local Agency Management Programs, or LAMPS, for Regional Board approval. For the two LAMPS on the April Board Agenda, she reviewed comments received on the LAMPS, prepared response to comments, and facilitated meeting with each county and interested parties to resolve outstanding issues. She also prepared presentations for the Board meeting if needed. She also prepared a resolution for the last remaining county's LAMP to be approved at the June 2018 Board meeting.

Katie has also been an integral part of the Time Schedule Order (TSO) prepared for Westlake Farms, City of Lemoore, Leprino Foods, and Sandridge Partners. This process required getting all the dischargers together and decide the best possible alternative disposal option for wastewater from the City of Lemoore's wastewater treatment facility and Leprino Foods. This task included drafting the language for the TSO and preparing a presentation for the April 2018 Board meeting.

Katie continually finds time to respond to the public's questions, review files, and have meetings with Dischargers. Katie is a reliable and professional staff member of our Fresno office, is a joy to work with

**REDDING
APRIL 2018**

Employee: Scott Zaitz
Unit: Storm Water / Water Quality Certification Unit, Redding Office
Title: Environmental Scientist
Supervisor: Lynn Coster

Scott is receiving this award for his long-term contributions to the Redding office. Scott has been with the Central Valley Water Board for over 18 years and has worked in multiple programs, with most of his time spent in the Storm Water and Water Quality Certification Unit.

Scott has a vast technical background and is a valued resource to staff in the office. His expertise extends beyond the storm water and water quality certification unit, and he has established himself amongst staff as the "go-to" for technical advice. Scott willingly sets time aside to help others and provides guidance, but encourages staff to work independently. Not only does he serve the Redding office, but is often consulted by other agencies, consultants, and Water Board offices.

Scott has excellent analytical skills and is exceptional at conducting inspections. His knowledge of policies and procedures has earned him the respect of dischargers, other agencies, the public, and co-workers. With his straightforward approach, Scott has established a good working relationship with dischargers and is effective at working with them to comply with regulations.

In the past year, Scott successfully took a major role in the regulation of the Oroville Dam Spillway Project, including the approval of a monitoring plan, the subsequent review of a large amount of monitoring data, and the ongoing oversight of this high-profile site.

Apart from his regular duties, Scott voluntarily serves on the Hazardous Response Team, and is required to quickly respond to emergency situations. These emergencies often occur outside of work hours, and Scott tirelessly serves as a leader in responding to these threats to water quality.

Scott is dependable, hardworking, and a valuable asset to the Storm Water and Water Quality Certification Unit. His career contributions to the Central Valley Water Board are greatly appreciated.

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) a summary of enforcement orders issued; and, 2) a summary of *all* enforcement actions issued.

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

Enforcement Table 1 – Region 5 Enforcement Orders (7 March 2018 through 27 April 2018)

Date	Agency	County	Notes
3/9/2018	2585 Oro Dam LLC	Butte	Draft Cleanup and Abatement Order (CAO) R5-2016-0715-A01 requiring the cleanup and abatement of the effects of pollution and nuisance originating at the site. This CAO is, essentially, the reissuance of a 2016 CAO to the new site/property owner whom is cited as a co-responsible party with the previous site/property owner.
3/13/2018	City of Rio Vista	Solano	Administrative Civil Liability (ACL) Complaint R5-2018-0511 issued in the amount of \$3,000 to address mandatory minimum penalty (MMP) effluent limitation violations. The ACL Complaint cites four total coliform violations of which only one is subject to MMPs.
3/16/2018	City of Roseville	Placer	ACL Complaint R5-2018-0513 issued in the amount of \$39,000 to address MMP effluent limitation violations. The ACL Complaint cites 19 total coliform violations of which 13 are subject to MMPs.
3/27/2018	City of Lemoore	Kings	Time Schedule Order (TSO) R5-2018-0900 requires, and stipulates a time schedule for, the City of Lemoore and the Leprino Foods Company to come into compliance with existing Waste Discharge Requirements Order 96-050 or arrange to permit an alternative disposal option.
3/28/2018	Aerojet General Corporation	Sacramento	ACL Complaint R5-2018-0508 issued in the amount of \$27,000 to address MMP effluent limitation violations that occurred between 1 December 2015 and 20 November 2017.
Date	Agency	County	Notes
4/6/2018	Konark Ranches, LLC	Kern	ACL Complaint R5-2018-0016 issued in the amount of \$100,100 for failure to obtain regulatory coverage by enrolling in the irrigated lands regulatory program (ILRP).
4/6/2018	Spreckles Sugar Company, Inc.	Fresno	CAO R5-2018-0033 was issued to address concerns associated with impacts to groundwater and includes a requirement for an Investigation Work Plan by 6 August 2018.
4/16/2018	Seven Hill, LLC	Shasta	Stipulated Order R5-2017-0555 settled in the amount of \$27,720 for failure to obtain regulatory coverage by enrolling in the ILRP for a period of 296 days.
4/24/2018	Treelake Village Master Association	Sacramento	Stipulated Order R5-2018-0501 settled in the amount of \$38,539 to resolve violations of California Water Code section 13376 for failing to obtain regulatory coverage under the Statewide General NPDES permit for Residual Aquatic Pesticide Discharger to Waters of the United States from Algae and Aquatic Weed Control.

Enforcement Table 1 (cont.)

Date	Agency	County	Notes
4/6/2018	Konark Ranches, LLC	Kern	ACL Complaint R5-2018-0016 issued in the amount of \$100,100 for failure to obtain regulatory coverage by enrolling in the irrigated lands regulatory program (ILRP).
4/6/2018	Spreckles Sugar Company, Inc.	Fresno	CAO R5-2018-0033 was issued to address concerns associated with impacts to groundwater and includes a requirement for an Investigation Work Plan by 6 August 2018.
4/16/2018	Seven Hill, LLC	Shasta	Stipulated Order R5-2017-0555 settled in the amount of \$27,720 for failure to obtain regulatory coverage by enrolling in the ILRP for a period of 296 days.
4/24/2018	Treelake Village Master Association	Sacramento	Stipulated Order R5-2018-0501 settled in the amount of \$38,539 to resolve violations of California Water Code section 13376 for failing to obtain regulatory coverage under the Statewide General NPDES permit for Residual Aquatic Pesticide Discharger to Waters of the United States from Algae and Aquatic Weed Control.

2) **Enforcement Update** – Enforcement Table 2, included below, summarizes the enforcement actions issued in all the Regions since the last EO Report. From a statewide perspective, Region 5 was responsible for 23% of all the enforcement actions tracked in CIWQS during this period including 50% of all NOVs and 29% of all ACLs.

Region	VER	SEL	NOV	13267	NNC	TSO	CAO	ACL	Reporting Period Total	Total Year to Date
1	0	0	0	0	0	0	1	1	2	25
2	0	3	0	1	0	0	0	4	8	129
3	0	4	12	1	75	0	0	2	94	350
4	2	0	28	0	19	1	0	8	58	839
5F	5	1	6	0	0	1	1	1	15	193
5R	1	0	6	0	0	0	0	0	7	58
5S	2	2	28	0	5	0	1	5	43	1,030
RB5 Total	8	3	40	0	5	1	2	6	65	1,281
6	1	1	0	0	0	0	0	0	2	42
7	0	3	0	0	0	0	0	0	3	49
8	9	5	0	0	10	0	0	0	24	244
9	0	24	0	0	0	0	0	0	24	200
Total	20	43	80	2	109	2	3	21	280	4,440
Enforcement Actions:										
VER = Verbal Communication					NNC = Notice of Non-Compliance					
SEL = Staff Enforcement Letter					TSO = Time Schedule Order					
NOV = Notice of Violation					CAO = Cleanup and Abatement Order					
13267 = Water Code Section 13267 Investigative Order					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.

Region 5 Performance Measurement Summary from 1 July 2017 through 4 May 2018						
Programs	Original Target	* Actuals: Permits or Facilities Inspected	% Complete = Actuals/Original Target	Revised Target	** Total # of Inspections Performed	Comments
NPDES Wastewater						
Major Individual Permits Issued, Revised, and Renewed	9	5	56%	n/a	n/a	Three major permits are scheduled for adoption at the 31 May/1 June Board meeting.
Major Individual Facilities Inspected	27	13	48%	n/a	16	Multiple facilities scheduled for inspection during remaining fiscal year; additionally, staffing vacancies resulted in not inspecting facilities that are not currently discharging to surface water and/or the permits are being rescinded.
Minor Individual Permits Issued, Revised, and Renewed	8	5	63%	6	n/a	Target reduced because two individual permits were rescinded; one of the permits was converted to Limited Threat General Order.
Minor Individual Facilities Inspected	6	8	133%	n/a	8	
Minor General Enrollees Facilities Inspected	0	0	N/A	n/a	0	
Waste Discharge to Land – Wastewater						
Municipal Waste, Industrial Waste, and All Other Facilities - Permits Past Review Date Updated	29	24	83%	n/a	n/a	
Municipal Waste, Industrial Waste, and All Other Facilities - Number of Inspections	170	155	107%	n/a	182	
Land Disposal						
Landfills Permits Issued, Revised, and Renewed	11	9	82%	n/a	n/a	
Landfill Inspections	93	77	98%	n/a	91	
All Other Permits Issued, Revised, and Renewed	2	0	0%	1	n/a	One mine permit is scheduled for the June Board Meeting; the target has been amended.
All Other Inspections	26	30	127%	n/a	33	This metric contains both composting and mining facilities. Staff in all three offices have conducted more inspections of those facilities than as anticipated.
NPDES Storm Water						
Stormwater Construction Inspections	385	307	94%	n/a	361	
Stormwater Industrial Inspections	195	167	88%	n/a	171	
Stormwater Municipal Inspections	0	1	N/A	n/a	1	
Other Programs						
Forest Activities Inspections	166	115	71%	n/a	118	Staff vacancies and CALFIRE being diverted to ongoing fires resulted in lower than anticipated inspection totals.
Confined Animal Facility Inspections	325	226	78%	n/a	253	
Clean Up						
New DoD Sites Into Active Remediation	9	4	44%	n/a	n/a	Scheduled to move at least 5 sites at McClellan and other locations to remediation late in FY 17/18.
New SCP Sites Into Active Remediation	80	30	38%	n/a	n/a	Many sites are scheduled to move to remediation late in the year. Due to recent discoveries and disputes some may push into FY 18/19.
Cleanup Program Sites Closed	64	39	61%	n/a	n/a	The DoD is revising their risk-based cleanup approach. This process has delayed Record of Decision (ROD) approval at a number of sites scheduled for closure. Staff are currently working with DoD and EPA to resolve the issue but some of the sites scheduled for closure in FY18/19 may be pushed into FY19/20.
New UST Sites Into Active Remediation	24	25	104%	n/a	n/a	
Underground Storage Tank Sites Closed	70	71	101%	n/a	n/a	
* Actuals: Number of facilities inspected or permits issued.						
** Total #: Number of inspections completed including all reinspections.						

SANITARY SEWER OVERFLOWS AND COMPLAINTS

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

There was one SSO event in excess of 50,000-gallons in the February 2018.

City of Jackson, Amador County – 81,012 gallons

On 2 February 2018 the City of Jackson (City) employees responded to the report of a spill at approximately 12:30 am. According to the City's spill report, on 1 February 2018 a subcontractor—hired by Caltrans—was replacing a section of storm drain located approximately two feet above the City's storm drain. During the excavation of the storm drain they damaged the City's eight-inch SDR-35 sewer main. After Caltran's subcontractor replaced the storm drain and backfilled the excavation they noticed erosion of the backfilled material and detected sewage odors. The City's responded by excavating and repairing the damaged pipe and mobilizing vacuum trucks and pumps. The City also collected samples from nearby Jackson Creek, where the majority of the spill reached. Central Valley Regional Board staff are evaluating enforcement options.

For this reporting period, there were **128** total SSO spills: **13** Category 1, **3** Category 2, and **112** Category 3 spills. Relevant data from all of the spills occurring during this reporting period is included as **Attachment A**.

Additional Information on SSOs

Additional information regarding SSOs—including the current Monitoring and Reporting Program (MRP)—can be found at the State Water Board's webpage at: http://www.waterboards.ca.gov/water_issues/programs/sso/index.shtml. 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 **291** complaints from phone calls, emails, and from the CalEPA Complaint database (<https://calepacomplaints.secure.force.com/complaints/>). To date, **255 (88%)** complaints have been investigated and closed, or referred to another environmental enforcement agency. Investigations for the remaining **36** complaints remain ongoing.

DELTA ACTIVITIES

1. Delta Mercury Exposure Reduction Program

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

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

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

2. Delta Regional Monitoring Program (Delta RMP)

Several Pesticide Subcommittee meetings took place in March and April 2018 to develop fiscal year 2018-19 monitoring design proposals for the Delta RMP Steering Committee to consider. The subcommittee plans to finalize and recommend two monitoring options for the Steering Committee to consider for funding in May 2018.

The Technical Advisory Committee (TAC) met on 15 March and 23 April 2018 to discuss the final Mercury and Nutrients monitoring options for fiscal year 2018-19. The mercury monitoring will continue monitoring methylmercury in fish tissue and water to inform the upcoming Delta Mercury Control Program review planned for 2020. The nutrients monitoring design will include both a high-frequency Delta-wide monitoring design and an intercalibration study that will be implemented collaboratively with Region 2's San Francisco Bay Regional Monitoring Program.

On 25 April 2018, Board staff held the first Data Management Subcommittee meeting with State Board staff, dischargers, and the Aquatic Science Center. The goal of this group is to draft an outline for a Delta RMP Data Management Plan and review incoming program data on a quarterly basis to improve quality assurance and quality control. The group also discussed draft revisions to the Delta RMP's Quality Assurance Program Plan. A new section addressing Communication and Corrective Action Protocols for the programs monitoring data will be added for the next fiscal year of monitoring.

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

3. Delta Nutrient Research Plan

The Delta Nutrient Research Plan describes current understanding of nutrient-related issues in the Delta, management questions, and prioritized needs for ongoing monitoring, special studies, and computer-based modeling. Nutrient-related issues in the Delta include low levels of desirable phytoplankton, harmful algal

blooms (HABs), excess growth non-native aquatic plants, low dissolved oxygen in some waterways, and HABs and taste and odor problems in drinking water supply systems using Delta water.

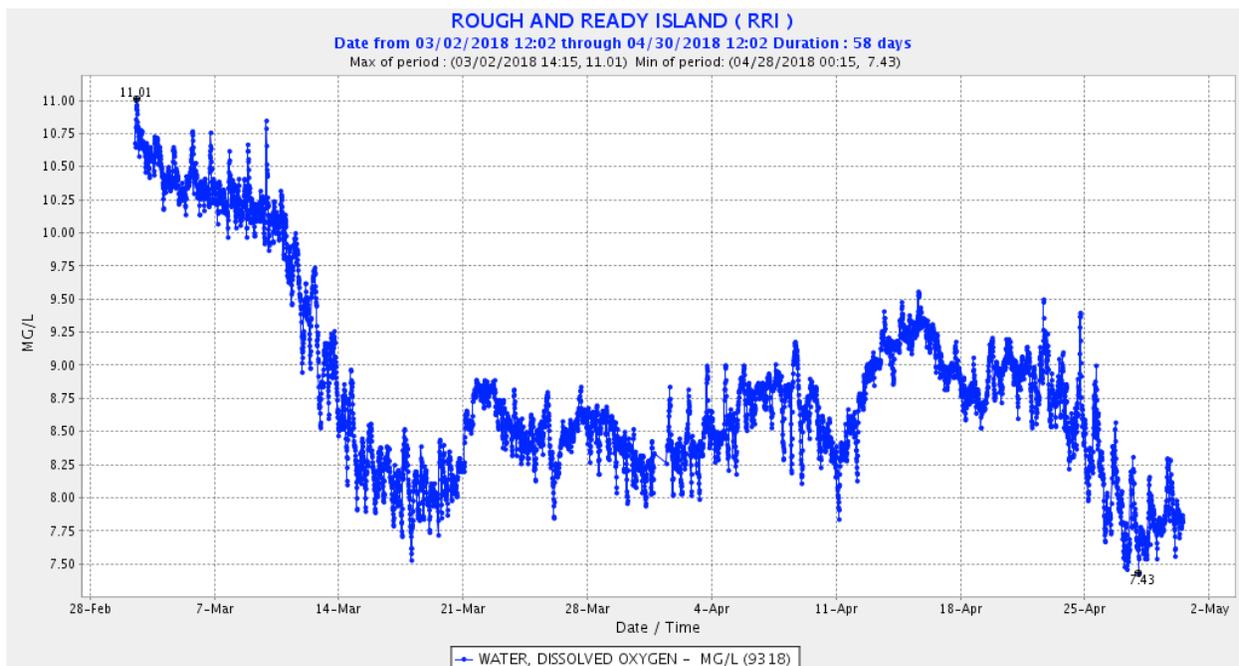
The draft Delta Nutrient Research Plan was released in January 2018 for public review. Staff is revising the draft plan in response to comments received and intends to release the revised plan in early May.

The Stakeholder and Technical Advisory Group (STAG) met on 19 March to discuss comments received on the draft plan and staff's proposed changes. At the March meeting, the STAG also began discussing an action plan for implementation. The next STAG meeting will be held on 16 May as a joint meeting with the Delta Regional Monitoring Program's Nutrient Subcommittee.

The draft Delta Nutrient Research Plan, comments on the draft plan, meeting materials, and supporting white papers and knowledge gap reports, are available on the Delta Nutrient Research Plan website: https://www.waterboards.ca.gov/centralvalley/water_issues/delta_water_quality/delta_nutrient_research_plan/

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

In 2006-2007, an aeration facility was constructed on the Port of Stockton's West End Complex at Dock 20 as part of the San Joaquin River Dissolved Oxygen TMDL Implementation Program. Since 2011, the Port of Stockton has operated the aeration facility when dissolved oxygen concentrations are expected to fall below the dissolved oxygen water quality objective. From 3 March 2018 to 30 April 2018, there were no excursions below the dissolved oxygen water quality objective of 5 milligrams per liter in the channel and operation of the aeration facility was not necessary. Figure 1 shows the dissolved oxygen concentrations measured during 3 March 2018 through 30 April 2018 at the Rough and Ready Island monitoring station.



On 3 April, ICF consultants completed a summary of aeration facility operations, maintenance and costs for 2017, available at:

https://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/san_joaquin_oxygen/implementation_activities/pos_dock20/2017_pos_sum.pdf

On 12 April, Christine Joab, Danny McClure, Robert McCarthy and Jessica Mullane met with Port of Stockton staff and ICF consultants to tour the aerator and discuss the status of aeration operations and the aeration funding agreement, which extends through 31 May 2019.

For more information on the San Joaquin River/DWSC dissolved oxygen TMDL Control Program:
https://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/san_joaquin_oxygen/index.shtml

TMDL BASIN PLANNING

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 2017. 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 now expected to consider approval of this Basin Plan Amendment in July 2018. State Water Board consideration of this item was moved to a later date to allow time for coordination with the Central Coast Water Board, which had a TMDL for pyrethroids and sediment toxicity for consideration by the State Water Board. The Central Coast Water Board pyrethroid and sediment toxicity TMDL was approved by the State Water Board on 6 March 2017.

SALINITY AND CV SALTS

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>

The proposed Basin Plan Amendment will be considered in a two-day adoption hearing conducted from 31 May to 1 June 2018. The supporting Staff Report was released on 22 March 2018 with a 45-day public comment period ending on 7 May 2018. The draft Staff Report with proposed Basin Plan Amendment language can be found at the following location:

https://www.waterboards.ca.gov/centralvalley/water_issues/salinity/#dsr2018

Lower San Joaquin River Salt and Boron Water Quality Objectives (WQOs)

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

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

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

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 consider approval of the Basin Plan Amendment is tentatively scheduled for July 2018.

More information on the project can be found at:

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

CV-SALTS Meeting Participation

On 3 April, Glenn Meeks and Walt Plachta participated in the CV-SALTS Public Outreach and Education Committee conference call meeting. The meeting focused on outreach tracking, proposed workshops for public outreach and approval of the two revised drinking water inserts.

On 13 April, Pamela Creedon, Patrick Pulupa, Jeanne Chilcott, Anne Littlejohn, Walt Plachta and Glenn Meeks participated in the CV-SALTS Executive Committee meeting. Discussions focused on the draft staff report, changes from prior drafts and comments on the report and proposed basin plan amendment language. The draft presentation for the 31 May hearing was also discussed.

On 26 April, Jeanne Chilcott provided an update to the Central Valley/Sierra Foothills WaterReuse organization on the proposed amendments to incorporate a Central Valley Wide Salt and Nitrate Control Program into the Basin Plans.

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 26 March 2018. Nigel Quinn representing USBR provided a summary of Real-Time Salinity Management Program activities including monitoring stations, telemetry, and progress made in outreach to water agencies. Participants also discussed pending RTMP implementation grants and other topics such as the status of Central Valley Water Board's Basin Plan Amendment projects. The next quarterly meeting is scheduled for 18 June 2018.

NPDES

General Orders

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

NPDES Table 1

Facility	General NPDES Permit Number	General Permit Name
Glenn Springs Holdings, Inc. and Miller Springs Remediation Management Inc., Former J.R. Simplot Facility	R5-2016-0076-010	General Waste Discharge Requirements/NPDES Permit for Limited Threat Discharges to Surface Waters
Recology Hay Road Landfill Dewatering Project	R5-2016-0076-012	
Carson Hill Gold Mine Project	R5-2016-0076-014	
Sacramento Municipal Utility District (SMUD), Ice House Reservoir Auxiliary Dam Project	R5-2016-0076-013	
The Vendo Company, Groundwater Remediation System	R5-2016-0076-021	
Contra Costa Communities, LLC; Gilbert Property Construction Dewatering Project	R5-2016-0076-017	
Daikin Applied Americas, Inc.; Groundwater Remediation System	R5-2016-0076-020	
Gopher Hill Landfill Leachate Disposal, Plumas County	R5-2016-0076-022	
Dutch Slough Tidal Marsh Restoration Project	R5-2016-0076-023	
Union Pacific Railroad Company, Dunsmuir Railyard Project, Siskiyou County	R5-2016-0076-030	
General Electric Company and Wellmade Products Company, Groundwater Cleanup System	R5-2016-0076-027	
Ampine: A Division of Timber Products Company, Ampine Process Water Discharge	R5-2016-0076-018	
Nevada Irrigation District, Combie Reservoir Sediment and Mercury Removal Project	R5-2016-0076-019	
Lake Alpine Water Company, Potable Water System Maintenance Project	R5-2016-0076-024	
Lawrence Livermore National Laboratory, Experimental Test Site 300	R5-2016-0076-025	
River Islands Subdivision Phase III Construction Dewatering	R5-2016-0076-004	
Phillips 66 Company, Groundwater Treatment System Adjacent to the California Aqueduct, Merced County	R5-2016-0076-037	
Pacific Gas and Electric, Rock Creek – Cresta Drum Gate Sediment Removal Project	R5-2016-0076-034	

Constituents of Emerging Concern

On 30 March 2018, representatives from the Central Valley Clean Water Association (CVCWA) and Central Valley Municipal Separate Storm Sewer System (MS4s) group submitted a revised final work plan for the *Central Valley Pilot Study for Monitoring Constituents of Emerging Concern (CECs) Work Plan* (Work Plan) to Central Valley Water Board staff, which aims to pilot the State Water Board's *Constituents of Emerging Concern (CECs) Statewide Pilot Study Monitoring Plan* (Pilot Study), in response to the Conditional Approval Letter issued on 16 February 2018. The revised Work Plan partially addressed the items required to be addressed in the Conditional Approval Letter. On 23 April 2018, Central Valley Water Board staff provided comments on the final Work Plan to be addressed prior to submittal to the Delta Regional Monitoring Program Steering Committee for consideration of funding.

Central Valley Water Board staff are developing a schedule for both groups to secure funding and initiate sampling for ambient and effluent locations. If the Work Plan is not implemented by the proposed dates, Board staff plan to issue a 13267 letter to collect the necessary data from individual dischargers.

E. Coli and Homeless Encampments

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

DAIRIES/CONFINED ANIMAL FACILITIES

Dairy Inspections

Staff has completed approximately 250 dairy inspections for FY 2017/18, which is not quite on track to meet our performance target of 325 inspections for the fiscal year. This is partly because staff reviewed and processed approximately 200 Notices of Intent from poultry operators for coverage under the new Poultry General Order, and staff performed comprehensive reviews of dairy annual reports. Staff have also experienced delays caused by personnel turnaround (e.g., retirements) and formal enforcement cases. Staff intends to eliminate the inspection backlog before the end of the fiscal year.

OIL FIELDS

1. Waste Water Surface Ponds

As of 1 March 2018, Oil Field staff has received 26 Notices of Intent (NOIs) for coverage under General Waste Discharge Requirements General Orders for Oil Field Discharges to Land (General Order) 3 and three NOIs for coverage under General Order 2. One Notice of Applicability (NOA) for an operator with multiple ponds in the Pyramid Hills Oil Field was issued. The issuance of three NOA for ponds in the Pyramid Hills Oil Field, and in the Lost Hills Oil Field are pending. Staff continues to work with applicants not covered under a Notice of Applicability to obtain coverage under the appropriate General Order or close their facilities.

Some operators have submitted closure plans. Oil Field staff is continuing to review and respond to closure plans to insure the proper closure of these disposal facilities.

Four operators with six facilities have not responded to the requirements of their CAOs and were issued Notices of Violation. Oil Field staff is pursuing enforcement actions against these operators. Staff continues to inspect facilities to ensure compliance with the Cleanup and Abatement Orders and to verify the condition of the facility that will be closed. Staff continues to review monitoring reports required by Waste Discharge Requirements and technical reports that request rescission of groundwater monitoring requirements from recently issued Revised Monitoring and Reporting Programs.

2. Spill Response

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

- A spill of crude oil and oil field produced wastewater into a dry stream bed occurred on the Section 26C Lease operated by Chevron USA, Inc., in the Midway Sunset Oil Field on 22 January 2018. Reportedly, a pipeline failure caused the discharge of approximately 0.6 bbl of crude oil and 0.52 bbl of oil field produced wastewater into the affected dry stream bed. Reportedly, cleanup of the affected areas was completed, and Staff of the California Department of Fish and Wildlife – Office of Spill Prevention and Response (CDFW-OSPR) conducted a post cleanup inspection of the affected areas.
- A spill of crude oil and oil field produced wastewater into a dry stream bed occurred on the Section 26C Lease operated by Chevron USA, Inc., in the Midway Sunset Oil Field on 14 February 2018. Reportedly, corrosion in a pipeline caused the discharge of approximately 0.5 bbl of crude oil and 3.9 bbl of oil field produced wastewater into the affected dry stream bed. Cleanup of the affected areas was completed and staff of the CDFW-OSPR conducted a post cleanup inspection of the affected areas.
- A spill of crude oil into what appeared to be dry stream bed occurred on the Lake Station facility operated by Plains All American GP, LLC., located east of the Buena Vista Oil Field on 17 February 2018. Reportedly, a valve failure during maintenance caused the discharge of approximately 230 bbl of crude oil into what was reported as a man-made ditch formed by erosion. Staff of CDFW-OSPR inspected the spill site and determined that the affected ditch was not a blue line stream bed nor waters of the state, therefore, considered the matter closed. Reportedly, Staff of the CDFW-OSPR observed cleanup activities in progress and will not conduct a post cleanup sign-off inspection. Staff is following up with the responsible party regarding the status of cleanup and may conduct a post cleanup inspection of the affected areas.
- A spill of crude oil and oil field produced wastewater into a dry stream bed occurred near the Station 36 facility operated by Chevron USA, Inc., in the Kern River Oil Field on 26 February 2018. Reportedly, a leak in a pipeline caused the discharge of approximately 0.2- bbl of crude oil and 1.2 bbl of oil field produced wastewater into the affected dry stream bed. Cleanup of the affected areas was still in progress as of 1 March 2018. Staff will follow-up with the responsible party regarding status of cleanup of the affected areas and may conduct a post cleanup inspection of the affected areas.

Staff is considering appropriate enforcement for the spills.

3. Underground Injection (UIC) Program

Staff have participated in discussions and provided comments to draft concurrence letters prepared by State Board staff regarding Water Boards concurrence of four Aquifer Exemption applications (Edison, Lost Hills, North Belridge, and South Belridge).

Staff completed reviews for three UIC projects and issued no objection letters, including memoranda, to the Division of Oil Gas and Geothermal Resources (Division) and operators (Edison, Midway Sunset, and McKittrick oil fields). Staff conducted initial reviews and submitted questions to the Division and operators regarding six UIC projects submitted to the Division for waste water disposal into portions of the Midway Sunset, Cymric (2), Coalinga East, McKittrick, and Sutter City Gas oil fields.

4. Senate Bill 4 (SB-4) Program

Since the last Executive Officer's Report, staff have completed four SB4 Well Stimulation Treatment (WST) Application package reviews, and submitted written comments to the State Board. All Application packages were for the Buena Vista Nose Area in Kern County. Six WST Application packages are under review.

Staff completed four groundwater monitoring plan related reviews. These plans are associated with planned well stimulations in the South Belridge Oil Field, Lost Hills Oil Field and in the Buena Vista Nose area.

5. Food Safety

In January 2018, staff of the Central Valley Regional Water Quality Control Board (Board) held a public meeting of the Food Safety Expert Panel. During the meeting, staff gave an update on the progress of the project and the effort to move forward with the implementation of studies governed by the Memorandum of Understanding between the Board and Permit Holders that generate or use produced water for crop irrigation. Board staff anticipates that Permit Holders will be able to select a consultant to move forward with the work outlined in the first Scopes of Work for Tasks 1 – 3. Task 1 is a preliminary hazard assessment of crude oil constituents and additives. Task 2 is a rigorous and thorough review of the available literature on produced water reuse in agriculture and the potential occurrence of chemical additives and petroleum-associated contaminants in food crops, in the context of current irrigation practices. Task 3 will be additional crop sampling for constituents of concern. Also during the meeting, Dr. William Stringfellow, science advisor to the Board, gave a presentation on the results of crop sampling studies conducted in 2017. According to the report, all compounds detected in the crops were found at low or very low concentrations and well within safe ranges.

In January and February 2018, Central Valley Water Board staff issued 13267 Orders to dischargers, suppliers, and manufactures of chemical additives used in oil fields that supply produced water to irrigators. Staff is working to compile additive information that has been submitted in response to the 13267 Orders, as well as additive information submitted in monitoring reports. Staff anticipates incorporating the full list of additives into monitoring programs, and requiring all additives to be analyzed for during future crop sampling events. Crop sampling efforts of the Food Safety project will resume in March 2018.

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 April 11th meeting focused on the recently adopted State Board Order issued in response to the petition of Eastern San Joaquin WDRs. Emel Wadhvani, the lead legal counsel for the petition process, spoke about the key changes in the Eastern San Joaquin WDRs. More information regarding the stakeholder meetings can be found on the Central Valley Water Board ILRP website:

http://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_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 7 February 2018, the State Water Board adopted 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 State Water Board Order changed the current General Order, adding on-farm drinking water well monitoring for all growers starting in 2019, development of numeric targets to assess nitrogen loading to groundwater, anonymous field-level reporting of management practices to the Central Valley Water Board, changes to reporting requirements, and a number of other items. Some elements are precedential and required to be incorporated in ILRPs statewide within the next 5 years. The State Water Board Order also required the Central Valley Water Board to convene an external public review process for the surface water monitoring framework. Staff is currently working on updating some of the other ILRP general orders.

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

ILRP Compliance, Outreach & Enforcement

Agricultural Parcel Inspections

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

Coalition Area	Parcel Inspections Mar 2 – May 1
East San Joaquin, San Joaquin Co & Delta, Sacramento Valley, & Western San Joaquin River	587
Total	587

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 Mar 2 – May 1
East San Joaquin, San Joaquin Co & Delta, Sacramento Valley, & Western San Joaquin River	38
Total	38

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 Mar 2 – May 1
East San Joaquin, San Joaquin Co & Delta, Sacramento Valley, & Western San Joaquin River	202
Total	202

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

Between 1 March and 1 May 2018, Notices of Violation (NOVs) were sent to coalition members within the Tulare Lake Basin Area for their failure to submit Nitrogen Management Plan summary reports by the Board-approved deadline of 1 March 2016. The NOVs require the members to provide summary reports to their respective coalition or potentially face monetary penalties. Members have been responsive, with 50 of 52 recipients submitting the required paperwork.

Between 2 March and 1 May 2018, 174 Notices of Violation (NOVs) were sent to coalition members within the East San Joaquin, San Joaquin Co & Delta, Sacramento Valley, & Western San Joaquin River Watersheds for their failure to submit Nitrogen Management Plan summary reports by the Board-approved deadline of 1 March 2016. The NOVs require the members to provide summary reports to their respective coalition or potentially face monetary penalties.

Coalition Enrollment Summary

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

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 (Mar 1, 2018 – May 1, 2018)***		5		8	4		17
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 (2017-2018)**	436,000****	705,683	83,913	1,332,327	516,357	432,505	3,506,785
Number of Acres added due to Directive/eNOI (Mar 1, 2018 – May 1, 2018)***		339		546	55		940

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

** Grower annual fees are submitted yearly by the Coalition Group in Jan-Feb for the fiscal year. Annual Fees only report irrigated acres and do not report participants.

*** Growers and acres calculated by staff on 1 May 2018.

****Per the Order, the CA Rice Commission is not required to submit a participant list and the acreages are updated annually for fees.

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

Coalition Group	Buena Vista	Cawelo	Kaweah Basin	Kern River	Kings River	Tule Basin	Westside	Westlands	Total
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 (Mar 1, 2018 – May 1, 2018)***				10	13	1		1	25
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 (2018)**	34,090	33,818	158,842	528,687	761,479	224,596	98,136	487,526	2,327,174
Number of Acres added due to Directive/eNOI (Mar 1, 2018 – May 1, 2018)***				2,308	694	248		496	3,746

* 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 1 May 2018

Central Valley Groundwater Monitoring Collaborative (CVGMC)

On 27 March 2018, staff met with representatives of the Central Valley Groundwater Monitoring Collaborative (CVGMC) to receive updates on the group’s progress in developing a regional groundwater trend monitoring program. Discussions centered on the content of the upcoming Phase 1 Technical Workplan, due on 16 May 2018. Groundwater monitoring is projected to begin in Fall of 2018.

Sacramento River Watershed Coalition Groups

California Rice Commission

On 22 March 2018, staff received a Technical Memorandum, *Investigation into Elevated Nitrate Concentration at DWR Well 16N03E24M002M*, from the California Rice Commission (CRC). The report details CRC’s evaluation of a single nitrate exceedance, which occurred during the 2017 Groundwater Trend Monitoring Program. The evaluation found that the monitoring well was not located in a rice field, as originally reported by DWR. The nitrate monitoring results from the well are not considered representative of rice land use. The surrounding orchard land use surrounding the test well is the likely source of elevated nitrate in the well.

Sacramento Valley Water Quality Coalition

On 8 March, the Coalition’s Comprehensive Groundwater Management Plan was approved by the Executive Officer.

On 17 April, the Executive Officer approved a Quality Assurance Program Plan update request. The request updates the sampling criteria for the collection of water column samples during low flow and no flow conditions.

On 16 April, the Executive Officer approved an online Sediment and Erosion Control Plan certification course that was developed by Blankinship & Associates for the Sacramento Valley Water Quality Coalition.

On 20 April, the Coalition submitted a technical memo titled *Information Pertaining to the Presence of Dioxins in 2,4-D and Evaluation of the Need for Dioxin Monitoring*. The memo is currently under staff review.

Placer-Nevada-South Sutter-North Sacramento Subwatershed Group

On 1 May 2018, the Executive Officer issued a response letter to the Placer-Nevada-South Sutter-North Sacramento Subwatershed Group’s (PNSSNS) application for third-party status. The response includes a staff review memorandum that details the additional information needed to complete their application. 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. 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. The Executive Officer requested PNSSNS to provide an amended application by 1 August 2018, if they still wish to pursue third-party status.

San Joaquin River Watershed Coalition Groups

East San Joaquin Water Quality Coalition

On 1 March, the Coalition submitted Phase III of the Groundwater Quality Trend Monitoring Workplan. The Workplan includes information on the wells that the Coalition proposes to monitor groundwater quality within the Coalition region. The Workplan is currently under staff review.

On 27 April, the Executive Officer approved Quality Assurance Program Plan update request. The request revises the subcontracted laboratory and analytical methods for sediment Total Organic Carbon and grain size analyses.

San Joaquin County and Delta Water Quality Coalition

On 15 March, the Coalition submitted its response to the February 15 memorandum concerning the Coalition's 2018 Water Year (WY) Monitoring Plan Update (MPU) Addendum. The Coalition addressed the potential for risks or threats to water quality by providing additional justification for monitoring proposals that included evaluation of monitoring history, pesticide use, and management practice data. It is under staff review.

On 27 April, the Executive Officer approved Quality Assurance Program Plan update request. The request revises the subcontracted laboratory and analytical methods for sediment Total Organic Carbon and grain size analyses.

Westside San Joaquin River Watershed Coalition

Staff is continuing to work with the Coalition towards approval of the 2018-19 Monitoring Plan Update, the Surface Water Management Plan, and the management plan completion requests.

Tulare Lake Basin Coalition Groups

Kern River Watershed Coalition Authority

On 27 March 2018, the Executive Officer conditionally approved the Kern Coalition's Groundwater Quality Management Plan (GQMP), contingent to the Coalition's submittal of a letter updating the GQMP and adequately addressing several issues identified during staff review. The approval letter emphasized the need for rapid implementation of known protective practices, and encouraged the Coalition to reassess its outreach strategies to improve current implementation goals.

Kings River Watershed Coalition Authority

On 23 March 2018 staff met with Eric Osterling, who is taking over as Coalition lead for the Kings River Water Quality Coalition. Discussions focused on ongoing outreach, report submittals, upcoming groundwater monitoring, and the recent State Water Board revisions to the East San Joaquin River Watershed General Order.

Growers Under the Individual Discharger General Order

On 30 April 2018, the Central Valley Water Board staff held a meeting with Mr. Bruce Beard, the owner/operator of Beard's Quality Nut Company, LLC and RB Ranch Development, LLC for failure to submit complete Farm Water Quality Plans (FWQPs), as required under Order R5-2013-0100 and in the 18 November 2016 Notice of Applicability issued by the Executive Officer. The Lead Prosecutor gave Mr. Beard until 28 May to submit FWQPs that meet the Order Requirements, or to enroll all parcels into the appropriate coalition groups.

Other Projects

Data Management

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

On 3 March, the Sacramento Valley Water Quality Coalition submitted its Quarterly Monitoring Data Report for the period July through September 2017, as required by Order.

The Data Management Team has processed Westlands Stormwater Coalition water quality monitoring data for the period October 2013 through December 2016. The DMT compiled data from various locations in hard files and e-files. Consequently, eight data sets have been pushed to CEDEN and the remaining EDDs are in the queue and ready for SWAMP. Going forward, the CVRDC will process Westlands data deliverables for the Coalition.

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

Available Data for Each Coalition in CEDEN	Date Range
California Rice Commission	Jul 2004 - Jul 2016
Westside San Joaquin River Water Quality Coalition	Sep 2008 - Feb 2016
Sacramento Valley Water Quality Coalition	Jul 2004 - Mar 2017
Grasslands Bypass Project	Oct 1995 - Dec 2016
East San Joaquin Water Quality Coalition	Jul 2004 - Oct 2016
San Joaquin County and Delta Water Quality Coalition	Aug 2004 - Sep 2016
Westlands Storm Water Coalition	Nov 2008 - Sep 2013

Grassland Bypass Project

On 26 April 2018, the San Luis & Delta Mendota Water Authority submitted the Annual Monitoring Report for the Grassland Bypass Project. The report is pending staff review.

Norman’s Nursery

On 13 April 2018, Norman’s Nursery Linden submitted Part 2 of the Site-Specific Management Plan. The plan is currently under staff review. Norman’s Nursery Linden and the SJ Delta Coalition are jointly developing a Management Plan to address surface water and groundwater nitrate exceedances observed during 20 years of monitoring under MRP 97-811.

Rice Pesticides Program

On 16 April 2018, the Executive Officer approved the Rice Pesticides Program Management Practices for 2018 and the Annual Monitoring Report.

On 25 April 2018, the California Rice Commission notified staff that thiobencarb monitoring will begin the first week of May.

CANNABIS PROGRAM

Cannabis General Order Enrollment and Developments

Approximately 722 cannabis cultivators had coverage under Central Valley Water Board General Order No. R5-2015-0113, when the Statewide Cannabis General Order went into effect on January 1, 2018. To date, staff has received 16 transfer applications to the new Statewide order, and has reviewed and approved 12 of those applications. Table 1 provides a summary of the active enrollments to date in the R5-2015-0113 order. Additionally, Calaveras county has recently adopted a ban on all commercial cannabis cultivation. Since adoption of the ban staff has initiated a process to address requests from cultivators in Calaveras county.

Table 1

County	Tier 1 Enrollment	Tier 2 Enrollment	Tier 3 Enrollment	Total Active Enrollments
Calaveras	206	266	62	534
Yolo	23	40	24	87
Lake	30	24	7	61
Nevada	13	1	-	14
Sierra	4	1	-	5
Plumas	2	-	-	2
Mariposa	1	-	-	1
Total	279	332	93	704

Staff is reviewing and processing enrollments under the Statewide Cannabis General Order, and conducting outreach to ensure Central Valley Board enrollees transition to the Statewide Cannabis General Order in a timely manner. Staff reached out to enrollees to ensure required reporting is submitted prior to the 90-day post application due date. To date staff has received approximately 130 Statewide Cannabis General Order applications and has approved and enrolled approximately 87 dischargers under the Statewide Cannabis General Order. Table 2 provides a summary of the Statewide Cannabis General Order enrollments in the Central Valley Region to date.

Table 2

County	CE*	Tier 1L	Tier 1M	Tier 1H	Tier 2L	Tier 2M	Tier 2H	Total Active Enrollments
Calaveras	1	1	-	-	-	1	-	3
Sacramento	7	-	-	-	-	-	-	7
Lake	2	24	1	-	15	1	-	43
Nevada	1	16	-	-	-	-	-	17
Shasta	2	-	-	-	-	-	-	2
Solano	1	-	-	-	-	-	-	1
Stanislaus	2	3	-	-	-	-	-	5
Yolo	-	2	-	-	7	-	-	9
Total	16	46	1	0	22	2	0	87

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

Cannabis Compliance and Enforcement

Notice of Violation

In March 2018, one Notice of Violation was issued for non-compliance with a Cleanup and Abatement Order. Additionally, in February 2018 staff conducted inspections at four sites, in violations of their Novs; three in Calaveras County and one in Lake County.

NON - POINT SOURCE (NPS)

Clear Lake Nutrient Control Program Update

Staff is developing a technical memo with an update on the implementation status for the Clear Lake Nutrient Control Program. In addition, staff continues to evaluate potential 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 was 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.

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

More information about the Clear Lake Nutrient Control Program as well as the new fact sheets 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.

2018 HAB Season Outreach

In April, the Interagency Working Group on Harmful Algal Bloom Related Illnesses released "outreach letters" that were distributed to land and water resource managers, veterinarians, and local health officers. The letters called attention to the upcoming 2018 HAB season and highlighted available resources on the HABs Portal. The letters also provided contact information for reporting HAB incidents.

Central Valley Bloom Notifications and Response – 2018 Summary

Since the last update in early February, ten new cases of suspected cyanobacteria blooms were reported to the Central Valley Water Board HAB Coordinator. Many of these cases are generated from citizen complaints. A citizen reported seeing a small localized bloom in Clear Lake at Highway 20 and Hillside Lane near the Clearlake Oaks area. The cyanobacteria blooming here was also observed and identified by the Clear Lake tribes in their April wintertime monitoring samples. No toxins were detected. Borax Lake, which is located near Clear Lake, also appears to have cyanobacteria growing rapidly in the water. A citizen reported patches of bright green water in coves along the Markley Canyon arm of Lake Berryessa. The U.S. Bureau of Reclamation is the lake manager and they will be investigating the report. Another citizen reported their dog falling ill after drinking water in the North Davis Riparian Area (Stormwater Ditch) in Yolo County. It is unknown, at this time, if cyanobacteria was the cause of the illness.

Count	Month	Report Name (Report ID)	Status	Cyanobacteria (<i>Genera</i>) Identified?	Site Previously Reported in 2016/2017'?	Toxin Detected	Human Illness (reported)	Wildlife Impacts (reported)
1	January	Clear Lake (IDs 1708-1721)	Monitoring program	Pseudanabaena and other filamentous cyanos	Yes	Microcystin	No	No
2	February	Discovery Bay	Carryover from 2017	Not sampled – bloom senesced	Yes	Not tested	No	No
3	February	Clear Lake (IDs 1708-1721)	Monitoring program	Pseudanabaena and other filamentous cyanos	Yes	Microcystin	No	No
4	February	Highway 162 and Leesville Rd & Hwy 20	Closed	Not cyanobacteria; not sampled	No	Not tested	No	No
5	February	Copps Quarry	Closed	Not cyanobacteria; not sampled	No	Not tested	No	No
6	March	Clear Lake (IDs 1708-1721)	Monitoring program	Pseudanabaena and other filamentous cyanos	Yes	None	No	No
7	March	Discovery Park, Sac/Amer. River (ID 1722)	Closed	Not cyanobacteria; not sampled	No	Not tested	No	No

Table 1. Summary of Suspected and Confirmed Cyanobacteria Blooms in the Central Valley in 2018								
Count	Month	Report Name (Report ID)	Status	Cyanobacteria (Genera) Identified?	Site Previously Reported in 2016/2017 ¹ ?	Toxin Detected	Human Illness (reported)	Wildlife Impacts (reported)
8	April	Clear Lake (IDs 1708-1721)	Monitoring program	Dolichospermum sp.	Yes	None detected	No	No
9	April	Clear Lake Oaks - Hwy 20 & Hillside Lane (ID 1724)	Open	Dolichospermum sp.	Yes	Not tested	No	No
10	April	Borax Lake (Lake County)	Open	Anabaena sp., Phormidium sp., Nodularia sp., Spirulina sp., Oscillatoria or Lyngbya sp.	No	Not tested	No	No
11	April	Lake Berryessa - Markley Canyon Arm (ID 1725)	Open	Suspected - Not sampled yet	Yes	Not tested yet	No	No
12	April	North Davis Ditch - City of Davis (ID 1726)	Open	Suspected - Not sampled yet	No	Not tested	No	Yes (dog)

¹ The 'site previously reported in 2016/2017' column only identifies if the site had a reported bloom in 2016 and 2017. This is not meant to imply that a bloom did not occur there in 2016/17 or previous years. It only indicates whether a bloom was reported to the Water Boards in 2016/17.

GRANTS

1. **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 closed on February 8, 2018. The Central Valley Water Board received three proposals for consideration: San Joaquin Valley Drainage Authority submitting Next phase implementation of the San Joaquin River real time salinity management program, the Sacramento-San Joaquin Delta Conservancy submitting Implementation of BMPs in the Delta: A Comprehensive Pesticide Management Project to Improve Water Quality, and the Lake County Watershed Protection District (Department of Water Resources) submitting Middle Creek Gravel and Sediment Extraction. The Sacramento-San Joaquin Delta Conservancy's Implementation of BMPs in the Delta: A Comprehensive Pesticide Management Project to Improve Water Quality proposal will be recommended for funding.

For more information, please visit the NPS website:

https://www.waterboards.ca.gov/water_issues/programs/nps/319grants.shtml.

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

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

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

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

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

- **Ponderosa Way Road Assessment and Sediment Reduction Plan Phase II) (\$500,000)** – The Resource Conservation District of Tehama County will conduct a road-related sediment survey on Ponderosa Way in Eastern Tehama County between State route 36E and State Route 32E (Project Area). This project will result in a sediment reduction plan for the Project Area with one or more demonstration projects in the Project Area. (Closing 3/31/2020)
- **Battle Creek Watershed Based Plan (\$492,000)** – The Battle Creek Watershed Conservancy will develop a Watershed-Based Plan and implement a sediment reduction demonstration project in the Battle Creek Watershed. (Closing 10/31/2018)
- **Post-Fire Response to Forest Management (\$329,519)** – California Department of Forestry and Fire Protection will quantify the effects of post-fire management practices such as logging, ripping, and herbicide application on stormwater runoff rates, sediment delivery, organic matter transport, and soil properties in the Boggs Mountain Demonstration State Forest. (Closing 05/31/2020)

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

4. **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.

GENERAL UPDATES TO THE BOARD

1. **E. & J. Gallo Winery, Fresno County**

The following provides a brief update, as requested by Board members during the April Board meeting in Fresno, on progress made regarding the legacy salt and nitrate impacts on groundwater down gradient of the E. & J. Gallo Winery in Fresno. Board staff has contacted E & J Gallo and intend to schedule a meeting(s) in late May to discuss options to address the impacts in the context of the current regulatory scheme and CV-SALTS. Future updates will provide more details of the meeting(s) and on specific actions to address the impacts.

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

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

PUBLIC OUTREACH

On 2 January, 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 Lamont PUD, Plan B status. Also, updated the group on a composting site in Kern County, which is applying for CUP and filed an Environmental Assessment to comply with CEQA.

On 9 January, 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 9 February, Anthony Toto emailed the 2017 Central Valley Disadvantaged Community Water Quality Grants Program to both the chairs of the Kern Environmental Enforcement Network (KEEN) and Fresno Environmental Reporting Network (FERN) groups.

On 13 February, 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. Self-Help took samples of drinking water wells in the community of Tombstone. The Fresno Lab Contract was utilized to pay for the analyses.

On 6 March, 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. Cindy Nelson of the California Public Utilities Commission (CPUC) presented an introduction to the CPUC.

On 6-8 March, Christine Joab, Selina Cole, Amanda D'Elia, Zhimin Lu, and Janis Cooke attended the Interagency Ecological Program (IEP) 2018 Annual Workshop, held in Folsom. Presentations included recent research into lower food web dynamics, fish population monitoring and modeling, effects of restoration, and IEP data management and use.

On 9 March, Janis Cooke attended the Bay Nutrient Management Strategy Steering Committee meeting. The Steering Committee received technical updates on model development, assessment of dissolved oxygen and fish populations in the lower South Bay, and HAB monitoring. The meeting included planning for uses of future new funding and revisions to the Bay Nutrient Management Strategy Science Plan (first adopted 2016).

On 12 March, Zaira Lopez-Narvaez attended the Madera Integrated Regional Water Management (IRWM) group meeting held in Madera. The group discussed ongoing business items regarding the group's financial report, IRWM Plan Update, and Proposition 1 Disadvantaged Community Involvement Funding. The group also reviewed current projects listed on the IRWM Plan and discussed updating the current list. Members also reported updates for Sustainable Groundwater Management (SGMA) and Grant updates for round 1 implementation projects.

On 12 March through 16 March, Dana Kulesza and Wes Ouimette attended the Princeton Groundwater, Inc. Groundwater Pollution and Hydrology Course in San Francisco.

On 14 March, Guy Chetelat participated in the Lower Clear Creek restoration group meeting in Redding. Agencies and other stakeholders including the Yurok Tribe discussed channel alignment and permitting for the next phase of restoration. Lower Clear Creek restoration has focused on improving aquatic habitat for threatened salmonids and restoring floodplain function. Water quality benefits include reduced erosion in mined areas and increased sediment deposition on the floodplain.

On 20 March, Guy Chetelat participated in the Central Valley Project Improvement Act Sacramento River restoration group meeting in Red Bluff. Multiple projects located along the Sacramento River channel between Red Bluff and Redding were discussed. The projects are focused on returning flow to historic side channels to improve aquatic habitat for spawning and rearing of threatened salmon and Steelhead trout. The projects

address degraded channel conditions related to lost cold-water habitat, bed load starvation, and modified river hydrograph from Shasta Dam.

On 20 March, Justin LaNier attended the Greater Battle Creek Working Group Meeting, at the U.S. Fish and Wildlife Office in Red Bluff, CA. This public meeting covers issues 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 21 March, Alex MacDonald presented at the Aerojet Community Advisory Group's bi-monthly meeting. The presentation included field activities at the Aerojet Superfund Site and the Inactive Rancho Cordova Test Site, the investigation of perfluorinated compound in groundwater on Aerojet and at the Former Mather AFB, upcoming well installations and reports to be submitted. The meeting also focused on the proposed remediation of Area 40, which will be part of the City of Folsom's south of US 50 development project.

On 22 March, Justin LaNier attended the Effectiveness Monitoring Committee at the Board of Forestry located at the Natural Resources Building 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 Act. Projects were discussed in a public forum which was webcast. EMC members and agency representatives voted on funding recommendations for the Board of Forestry.

On 22 March, Christine Joab attended the Mitigation Subcommittee Meeting of the California Cyanobacteria and Harmful Algal Bloom Network.

On 26 March, Rebecca Tabor attended a Management Advisory Committee meeting for the Sacramento Valley Water Quality Coalition in Elk Grove.

On 3 April, staff met with Yolo County to discuss upcoming permitting inspections, and how to coordinate with county officials.

On 5 April, Jennifer LaBay attended the 2018 California Tribal Water Summit, an annual event put on by the California Department of Water Resources.

On 6 April, Janis Cooke participated in a public workshop to provide input to revision of the 2016 Delta Science Plan. The workshop was hosted by the Delta Stewardship Council's Delta Science Program, which is responsible for revising the Delta Science Plan.

On 6 April, staff attended the California Growers Association Panel discussion regarding the Water Boards regulations, application processing, and interaction with local jurisdictions.

On 9 April, Zaira Lopez-Narvaez attended the Madera IRWM group meeting held in Oakhurst. The meeting focused on discussing ongoing business items such as the group's financial report, IRWM Plan Update, and Proposition 1 Disadvantaged Community Involvement Funding. In addition, Lauren Burton from the Sierra Institute for Community and Environment gave a presentation via telephone regarding Disadvantaged Community Mapping Project.

On 10 April, Jeanne Chilcott and Walt Plachta attended kick-off meetings in Sacramento and Visalia, respectively, to discuss potential scope for a newly awarded grant to the Community Water Center to help agencies and groundwater users consolidate and utilize groundwater quality information.

On 11 April, Sue McConnell, Robert Ditto and Eric Warren lead and participated in the quarterly ILRP stakeholder meeting.

On 12 April, Daniel McClure, Christine Joab, and Robert McCarthy met with the Port of Stockton Environmental Director and staff to discuss the implementation of the San Joaquin River Dissolved Oxygen TMDL and take a tour of the Dock 20 Aeration Facility.

On 18 April, Zaira Lopez-Narvaez attended the Tuolumne-Stanislaus Integrated Water Management Authority Watershed Advisory Committee (WAC) meeting in Sonora. The meeting focused on discussing the Mountain Counties IRWM progress for the Proposition 1 Disadvantaged Community (DAC) Involvement Funding. Members discussed their involvement identifying DAC representatives and brainstormed ideas for projects involving DAC's in their region.

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

On 18 April, George Low and Kelly Hickcox, Geologists with the Central Valley Water Board's Redding office participated in the Turtle Bay Elementary School 4th Grade Annual Science Fair. This science fair is organized and traditionally judged by a local chapter of Masons in Shasta County. Science projects for the fair were prepared and presented by fourth grade students and are typically judged on many categories which includes but were not limited to project content, research, presentation, and findings. This year the Central Valley Water Board was asked to participate in the science fair to provide constructive project feedback for participants from real scientists. Science fair organizers wanted to give their students the opportunity to interact with real scientists and receive feedback from a scientist's point of view. Central Valley Water Board staff interviewed approximately 20 fourth grade students and filled out and provided a feedback form to each student which summarized their project strengths and suggestions on how they could further improve upon their projects from a scientist's point of view.

On 19 April, staff gave a presentation to the California Water Environment Association's Annual Conference in Sacramento. The presentation focused on the Water Boards regulations for cannabis cultivation, coordination with local and state licensing agencies, and enforcement efforts.

On 21 April, managers and senior staff from the Redding office participated in Redding's twelfth annual Whole Earth and Watershed Festival. This event is an annual, community-wide celebration of Earth Day, and features activities, exhibits, live music, and local food, with the objective of fostering a commitment from individuals and the larger community to work together for health and livability of the north state region and our planet. The Festival features over 160 exhibitors including businesses, non-profits, government agencies, community groups, local artists, and educational organizations. Staff planned the booth more than two months in advance, and this year developed a new game with which to engage fair-goers. This game is based on a Jeopardy design, giving participants the answer, and asking them for the key word or phrase in a question format. Between 10:00 a.m. and 5:00 p.m. on April 21st, we engaged hundreds of individuals of all ages in this game, handed out information on the Water Boards' program, and answered questions ranging from employment with the Water Boards to abandoned mine remediation. Participants in the event included Clint Snyder, Bryan Smith, Angela Wilson, Elizabeth Betancourt, Kate Burger, Lynn Coster, George Low, Jeremy Pagan, Griffin Perea, and Eric Rapport.

On 23 April, Christine Joab attended the American River Basin Integrated Regional Watershed Management Plan quarterly meeting.

On 23 April, Robert Ditto gave a brief presentation to the Sacramento Valley Water Quality Coalition to introduced himself as the new compliance and outreach supervisor and provided an update on new outreach tools, the compliance and enforcement process, recent C & O efforts, on-farm inspections and the proposed outreach efforts involved with the new ESJ order.

On 23 April, Jennifer Fuller, Lauren Smitherman and Patrick Morris participated in a meeting of the Delta Tributaries Mercury Council. Presentations included long-term, national trends of fish tissue mercury data, mercury bioaccumulation and ecotoxicological risk to avian species, and mercury control studies at SoulaJule Reservoir.

On 26 April, Alex MacDonald, James Taylor, and Walter Floyd attended and provided a presentation to the Sacramento Groundwater Authority regarding current cleanup status at Aerojet and the former McClellan AFB. In addition to those two sites, there was a discussion regarding 1,2,3-Trichloropropane in Sacramento Suburban Water District water supply wells in the vicinity of the former McClellan.

On 27 April, Guy Chetelat attended the Upper Feather IRWM meeting in Quincy, Plumas county. Numerous potential grant projects were discussed regarding water supply, fire protection, erosion control and disadvantaged communities.

On 30 April, Jeanne Chilcott, Anne Littlejohn and Cindy Au Yeung met with USEPA planning program staff to discuss components of Basin Plan Amendments that are either currently under USEPA review or will be under their review for approval over the next year. The amendments include those for salinity objectives in the Lower San Joaquin River, MUN evaluation process for agricultural water bodies, pyrethroid control program and Salt and Nitrate Control Program.

On 1 May, Patrick Morris attended the Headwater Mercury Source Reduction Technical Advisory Committee meeting in Auburn. This stakeholder group led by The Sierra Fund is developing a strategy to address mercury sources in the Sierra Nevada. The strategy includes proposed actions for hydraulic mines, mercury contaminated sediments in reservoirs, and exposure reduction. Participants at the May meeting discussed forest management on mine impacted lands.

**PERSONNEL AND ADMINISTRATION
STAFFING UPDATE
March 1, 2018 through May 3, 2018**

Promotion:

Alex Mushegan – Sr. WRCE
Jim Marshall – Supervising WRCE

Leave of Absence:

Amy Ha – WRCE
Courtney Kasich – Office Technician

Authorized Positions: 261.7 **Vacant Positions: 15.6**

Separations	New Hires
Anne Olson – Water Resource Control Engineer/Retired Annuitant	Elizabeth Lee – Senior Water Resource Control Engineer (Specialist)
Jennifer Haynes – Environmental Scientist	Jennifer LaBay – Senior Environmental Scientist
Amanda D'Elia – Environmental Scientist	Kyle Cockerham – Engineering Geologist
Ben Letton – Senior Engineering Geologist	Christine Uhrig – Associate Government Program Analyst
	Samantha Falcon – Engineering Geologist
	Harihar Napal – Environmental Scientist
	Michael Collins – Water Resource Control Engineer
	Colt Brockman – Environmental Scientist

Temporary Help Positions

Separations	New Hires
Liudmila Costisina – Scientific Aid	Lillian Zahir – Seasonal Clerk
Spencer Kelley – Scientific Aid	Jasmin Mostafa – Scientific Aid
Annalise Burney – Seasonal Clerk	Edwin Rivas – Scientific Aid
Robin Bumbaugh – Scientific Aid	Jasvinder Mandair – Scientific Aid
	Crystal Hanson – Seasonal Clerk

**TRAINING UPDATE
March 1, 2018 through May 3, 2018**

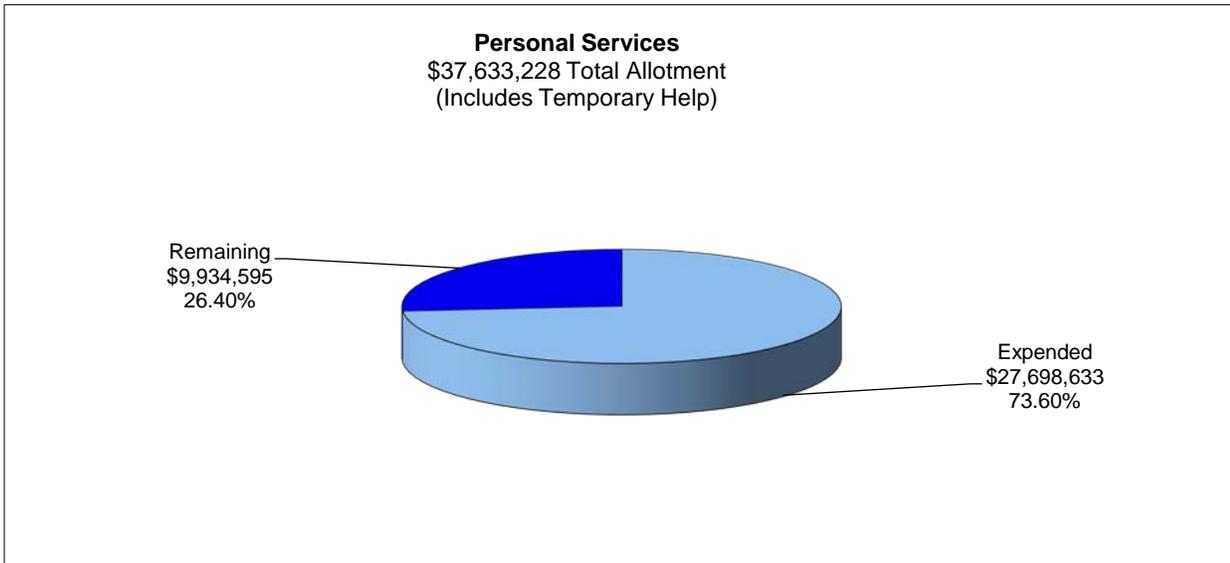
Class Title	Number of Attendees
2018 Best Management Practices Summit	1
2018 Spring Desktop GIS	1
4-Hour Field Safety Training	1
Advanced CEQA	4
Basic Inspector Training	8
Basic Supervision for State Supervisors Part 1	1
Basic Supervision for State Supervisors Part 2	1
Building and Managing Better Teams	6
Building Resilience for Managers and Supervisors	1
CalEPA Basic Inspector Academy	6
CalPERS Retirement Planning	1
Cannabis Awareness Training	17
CISEC Training	5
CIWQS Training	53

Coaching and Skill Transfer Workshop	2
Conflict Management through Effective Communication	3
CSTI Hazmat Technician/Specialist Refresher	1
Defensive Driver Training - Online	11
Delegating for Results	7
Effective Oral Presentation of Technical Information	6
Effective Supervisory Communication	7
CSTI Hazmat Technician/Specialist Refresher	1
Defensive Driver Training - Online	11
Delegating for Results	7
Effective Oral Presentation of Technical Information	6
Infectious Disease Prevention	3
Introduction to Analysis of Geophysical Logs	21
Maintaining a Respectful Work Environment EEO Compliance	4
NPDES Permit Writers' Course	4
Salmonid Restoration Conference	3
Shasta College Spring BMP Summit	4
Strategies for Leading the Human Side of Change	6
Team Leadership	9
The Art and Science of Watershed Restoration	1
The Groundwater Pollution and Hydrology Course	5
Turning Change into a Powerful Resource	8
Ultra Violet Optical Screening Tool Training	1
Union Pacific - Rail Safety & Hazmat Emergency Response Training	2

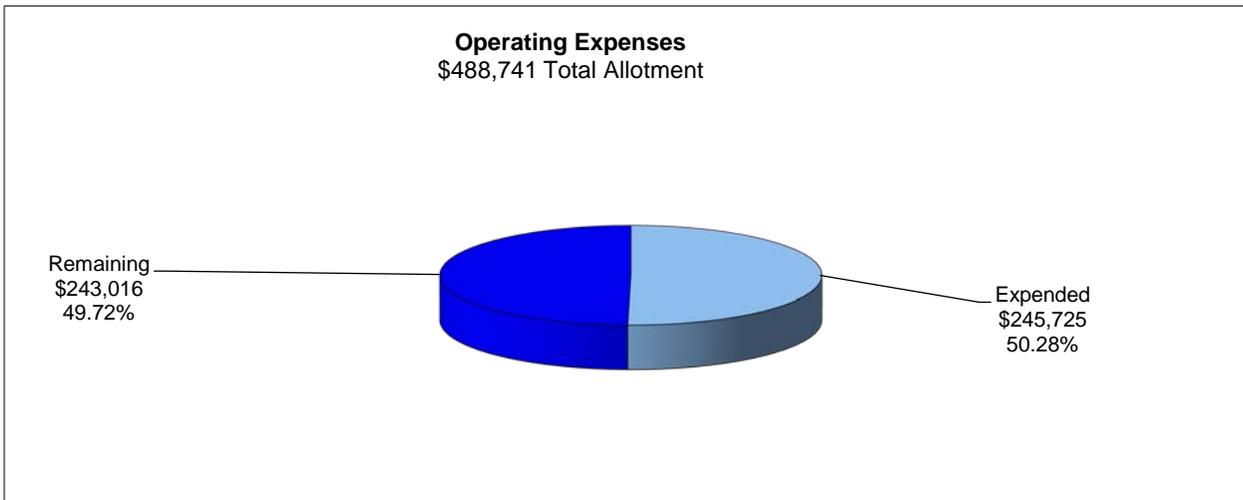
FISCAL UPDATE
Through March 31, 2018
(Approximately 75% of our budget should be expended)

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.

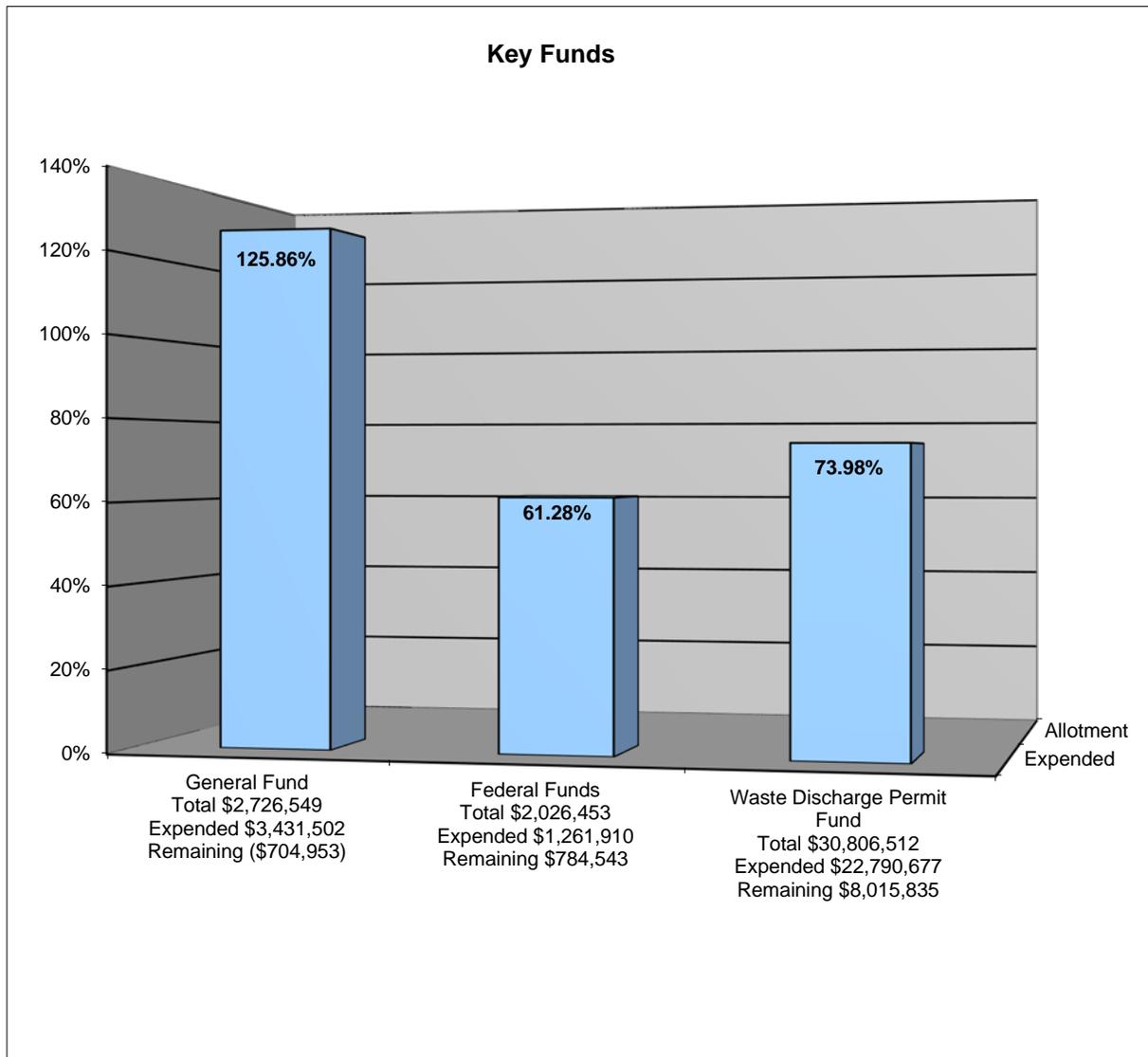


Operating Expenses:



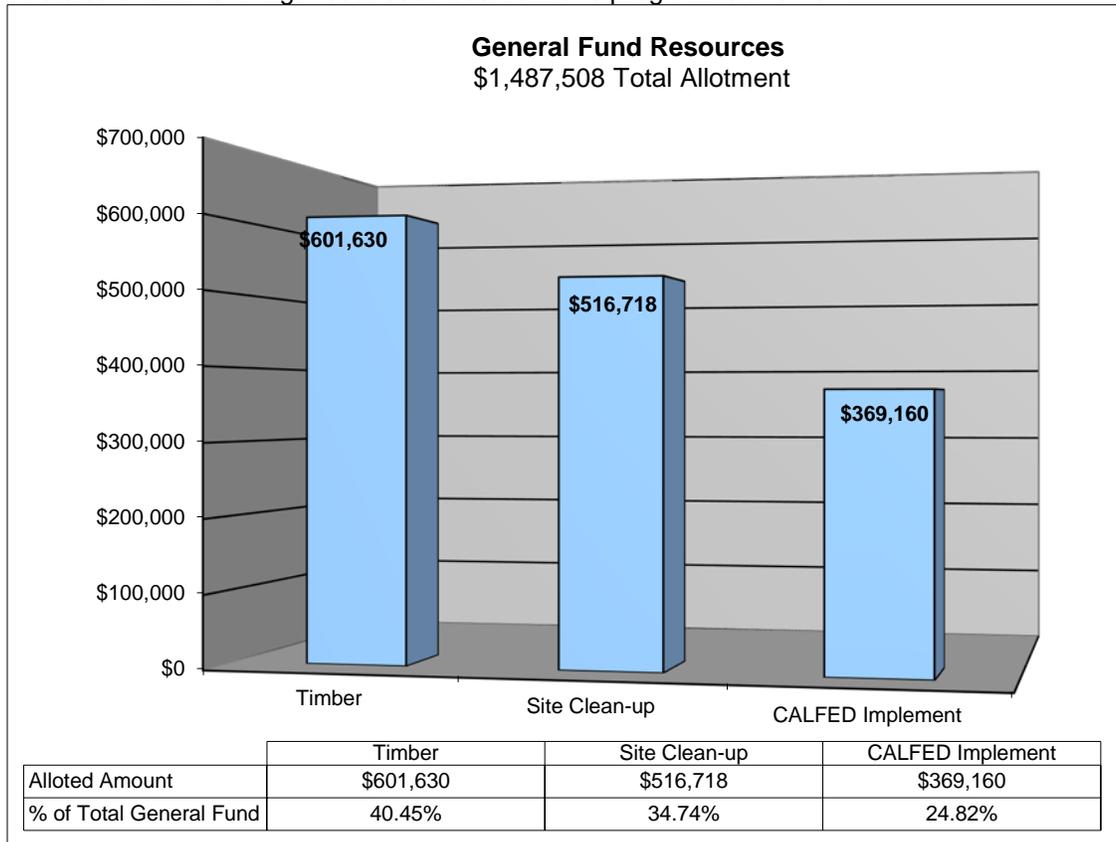
Key Funds:

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



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
16-018-150	Monterey Bay Analytical	Lab analysis -- Rancho Office	07/20/16	06/30/18	\$ 160,000
17-150-001	Class Act Alliance	Professional sign language interpretation	07/01/17	06/30/18	\$ 1,160
TBD	California Reporting	Electronic Reporting Tool and Transcription Services	06/01/18	06/30/19	\$ 9,999
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	TBD	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
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	4/28/18	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.

AUGUST 2018 BOARD MEETING

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISPOSAL TO LAND

- Synagro Silva Ranch, Sacramento County (New WDRs)
- City of Patterson WWTF (Revised WWTF)
- Langer Farms (New WDRs)
- Lion Raisins (Revised WDRs)
- Treehouse Almonds (Revised WDRs)

STORM WATER AND 401 CERTIFICATION PROGRAM

- 401 Certification/WDR – Caltrans, Lake 29 Improvement Project – Segment 2C

NPDES PERMITTING

City of Visalia WWTF Rescission

LOCAL AREA MANAGEMENT PROGRAM APPROVALS

- Yuba County

LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27

- City of Sac, Cannon and Scallon Properties (New WDRs)
- West Central Landfill (Amended WDRs)
- Union Mine Landfill (Revised WDRs)
- Winters Landfill (Revised WDRs)
- Butts Canyon Rd PG&E Geothermal (New WDRs)
- Southeast Regional LF (Revised WDRs)

OIL FIELD PROGRAM

- Sherwood Hills LLC and E&B Natural Resources (New WDRs)

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISPOSAL TO LAND

- Corcoran WWTF (Revised WDRs)
- Treehouse Almonds (Revised WDRs)
- City of Patterson WWTF (Revised WDRs)
- Lobue Packing (Revised WDRs)

LOCAL AREA MANAGEMENT PROGRAM APPROVALS

- Kings County

LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27

- City of Sacramento, Cannon and Scallon/28th St, Sacramento County (Revised WDRs)
- JR Simplot, San Joaquin County (Revised WDRs)

OCTOBER 2018 BOARD MEETING

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISPOSAL TO LAND

- City of Lone, City of Lone WWTF, Amador County (Revised Cease and Desist Order)
- Yocha Dehe, Cache Creek Golf Course, Yolo County (Revised WDRs)
- UC Davis CABA II, Yolo County (Revised WDRs)
- Liberty Packing (Revised WDRs)
- Corcoran WWTF (Revised WDRs)
- Soper Wheeler Log Yard (Revised WDRs)
- Fulton Reclamation (Revised WDRs)
- City of Patterson, Patterson WWTF, Stanislaus County (Revised WDRs)
- UC Davis CABA II, Yolo County (Revised WDRs)

LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27

- City of Sacramento, Cannon and Scallon/28th St, Sacramento County (Revised WDRs)
- JR Simplot, San Joaquin County (Revised WDRs)

NPDES PROGRAM PERMITTING

- City of Dunsmuir WWTP Renewal
- San Andreas Sanitary District WWTP Renewal
- City of Davis WWTP Renewal
- Yosemite National Park, Wawona WWTF Rescission
- Forbestown WTP Renewal
- Southern Cal Edison Balsam Hydro Project Rescission

LOCAL AREA MANAGEMENT PROGRAM APPROVALS

Sierra County Environmental Health Department, Sierra County (Resolution)

DECEMBER 2018 BOARD MEETING

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISPOSAL TO LAND

- Morning Star Packing Company, Colusa County, (Revised WDRs)
- CCWD La Contenta WWTF, Calaveras County (Amended WDRs)

NPDES PERMITTING

- Aerojet Sacramento Facility Rescission
- Ironhouse Sanitary District WWTF Renewal
- Lincoln WWTP Renewal
- Hangtown WWTP Rescission
- CCWD Forest Meadows WWTP Renewal
- Portola WWTP Renewal

PENDING ACTIONS, BUT NOT YET SCHEDULED FOR A BOARD MEETING

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM - DISPOSAL TO LAND

- Barrel Ten Winery (Revised WDRs)
- CA Dept. of Corrections, Mule Creek State Prison (Revised WDRs)
- Calaveras County Water District, Copper Cove WWTF (Revised WDRs)
- City of Sutter Creek (Revised WDRs)
- City of Galt (Revised WDRs)
- City of Huron (WWTF)
- City of Lone (Revised Cease and Desist Order)
- City of Lodi (Revised WDRs)
- City of Lone WWTF (Amended WDRs)
- City of Lemoore WWTF (Revised WDRs)
- City of Manteca WWTF (Revised WDRs)
- City of Modesto WWTF (Revised WDRs)
- City of 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)
- Exeter Ivanhoe Citrus (Revised WDRs)
- Farmersville WWTF (Revised WDRs)
- Former Pilkington Glass Manufacturing Facility (Revised WDRs)
- Former Spreckels Mendota Facility (New WDRs)
- Golden Feather School District, Spring Valley School (Revised WDRs)
- Liberty Packing Tomato Processing (Revised WDRs)
- E&J Gallo Liberty Winery (New WDRs)
- Lions Raisins Selma Plant (Revised WDRs)
- Leprino Foods Lemoore (Revised WDRs)
- Maxwell PUD (Revised WDRs)
- Mokelumne Rim Vineyards (Revised WDRs)
- North State Rendering Tallow Plant (Revised WDRs)
- Olson Meats (Revised WDRs)
- Bridge Bay Marina and Resort (Revised WDRs)
- Sacramento Rendering (Revised WDRs)
- Sun Maid Raisins Orange Cove (Revised WDRs)
- Tomatek and City of Firebaugh (Revised WDRs)
- Tasteful Selections (Revised WDRs)
- Tuolumne City Sanitary District (Revised WDRs)
- Wonderful Pistachios (Revised WDRs)
- Yocha De He Tribe (Revised WDRs)

NPDES PROGRAM – PERMITTING

- City of Lodi White Slough WPCF Rescission
- Malaga WWTF Rescission
- Davis WWTP Renewal
- Sequoia/Kings Canyon National Parks Rotenone Application (New Permit)
- Delleker WWTP Renewal
- SPX Marley Cooling Tower GWTS Renewal
- City of Brentwood WWTP Renewal
- Shasta Lake WWTF Renewal
- Paradise WTP Renewal
- Yuba City WWTP Renewal
- City of Roseville, Dry Creek WWTP Rescission
- City of Roseville, Pleasant Grove WWTP Rescission
- Deer Creek WWTP Rescission
- Williams WWTP Rescission
- City of Clovis WWTF Renewal
- Washington Mine Renewal
- Alturas WWTP Renewal
- CDCR Deuel Vocational Institution WWTP Renewal

LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27

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

PENDING STORM WATER AND 401 CERTIFICATION PROGRAM

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

SIGNIFICANT 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	2018-05-02 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. Anticipate approval hearing by State Water Board in July 2018.	Regional	R5
A-15	Central Valley Diuron Basin Plan Amendment	2018-05-02 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-18	Revisions to General Order for Poultry Facilities	2018-03-02 Order No. R5-2016-0087 was adopted on 6 December 2016. A General Order update was presented to the 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	Phase I update of the Bay-Delta Plan:- San Joaquin River flows and Southern Delta Salinity.	2018-04-23 The original Draft Substitute Environmental Document (SED) was released in late 2012 for public comment with a hearing to receive comments on the SED and written comments on the SED in early 2013. A draft revised SED was prepared and released for public comment in September of 2016. Several hearings and technical meetings were held on the draft revised SED from late 2016 through early 2017. Written comments were due in March 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 early summer of 2018 and will be brought to the Board for consideration in later summer of 2018.	Statewide	SB
C	Surface Water Augmentation with Recycled Water Regulations	2018-03-21 Division of Drinking Water completed the 15-day comment period on 12/18/17. There are no additional substantive changes to the draft regulations. Regulations were adopted March 6, 2018. Staff is preparing for submittal of the proposed regulations package for CalEPA and OAL approval.	Statewide	SB
A-19	Revised Total Coliform Rule	2018-01-26 The Federal Revised Total Coliform Rule became effective on April 1, 2016. Division of Drinking Water staff have drafted state regulations that are at least as stringent as federal regulations but include California-specific requirements. Staff released draft regulations in the spring of 2017 during public workshops. The 45 days public comment period is anticipated to take place in late summer or early fall 2018 and a proposed Board Adoption date in early 2019.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-18	Bacteria Standards for Ocean and Inland Surface Waters	2018-05-01 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. Revised provisions and responses to comments were released in January 2018. Staff is receiving information about state-specific epidemiological studies that may be relevant to the choice of indicators proposed in the Ocean Plan Amendment. Staff are reviewing this information to ensure ocean beaches are adequately protected. State Board Web site: http://www.waterboards.ca.gov/bacterialobjectives/	Statewide	SB
A-18	Statewide Aggregate General Order	2018-05-01 DWQ is preparing a statewide general order for aggregate processing facilities that discharge to land. DWQ met with the California Construction Industrial Materials Association (CalCIMA) on April 20, 2018.	Statewide	SB
*A-19	Phase II update of the Bay-Delta Plan: Comprehensive Review	2018-04-23 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/summer of 2018 for public comment.	Statewide	SB
*A-18	Industrial General Storm Water Permit Amendment	2018-04-20 The State Water Board held a Public Hearing on January 9, 2018 to receive comments on the proposed Industrial General Permit Amendment. Public comments were 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 Fall 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)	2018-04-30 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 is drafting responses to peer review comments. Staff is forming a reservoir owner working group to develop coordinated pilot tests.	Statewide	R5
A-17	Sediment Quality Objectives (SQOs) for Enclosed Bays and Estuaries: Phase II*	2018-04-18 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 scheduled for June 5, 2018.	Statewide	SB
*A-18	Procedures for Discharges of Dredged or Fill Materials to Waters of the State	2018-03-07 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 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 for considering proposed responses and revisions to the Procedures. Revised procedures for board consideration is anticipated in Summer 2018.	Statewide	SB
A-18	Approval of the CWA Section 303(d) List portion of the 2014 and 2016 California Integrated Report	2018-04-11 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. The 303(d) List was submitted to the U.S. EPA for approval on February 5, 2018. USEPA approved the California 2014-2016 CWA Section 303(d) List of Impaired Waters on April 6th, 2018. No changes were made to California's 303(d) List prior to their approval.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
C	Permanent (Regular) Regulations for Point of Use/Point of Entry Treatment Devices	2018-03-21 The State Water Board adopted 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, became effective on April 1, 2016, and expired on January 1, 2018. Adopted 6 February 2018. Staff are preparing regulation package for OAL review.	Statewide	SB
A-18	Statewide General Waste Discharge Requirements Order for Wineries	2018-04-20 State Water Board staff has transmitted the draft statewide WDRs to the Regional Water Board development group for a 30 -day comment period (ends May 7, 2018). A draft CEQA document has been prepared and is in review at DWQ. Staff continues to hold meetings with wine industry representatives and additional outreach meetings will be scheduled. Tentative transmittal date to the Industry is expected in May,2018 depending on the extent and nature of Regional Water Board comm	Statewide	SB
A-18	Revisions to General Order for Poultry Facilities	2018-03-02 Order No. R5-2016-0087 was adopted on 6 December 2016. A General Order update was presented to the 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	Environmental Laboratory Accreditation Regulations	2018-03-21 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
A-19	Proposed Statewide NPDES Permit for Suction Dredge Mining Activity	2018-03-07 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 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 for considering proposed responses and revisions to the Procedures. Revised procedures for board consideration is anticipated in Summer 2018.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-18	Toxicity Amendments to the Inland Surface Waters, Enclosed Bays, and Estuaries Plan	2018-03-23 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 May 2018 with staff workshops in May 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	Nonpoint Source (NPS) Implementation and Enforcement Policy Amendments	2018-03-07 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	Approval of the CWA Section 303(d) List portion of the 2014 and 2016 California Integrated Report	2018-04-11 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. The 303(d) List was submitted to the U.S. EPA for approval on February 5, 2018. USEPA approved the California 2014-2016 CWA Section 303(d) List of Impaired Waters on April 6th, 2018. No changes were made to California's 303(d) List prior to their approval.		
A-18	Statewide Urban Pesticides Reduction	2018-04-18 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. An advisory committee 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

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-19	Biostimulatory & Biological integrity Project	<p>2018-03-23 Staff is developing the technical foundation and policy options for a statewide water quality objective and implementation program for nutrients and other biostimulatory substances for wadeable streams. This project will likely include a water quality control policy to establish and implement benthic macroinvertebrate and algae assessment methods, scoring tools, and targets aimed at protecting biological integrity. 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). Staff will continue working with members of a technical team to discuss how multiple indicators can be interpreted for objective compliance as well as drafting up potential policy provisions for management to review. Staff anticipates developing a schedule for the public review process and Board consideration process in Summer or Fall 2018.</p>	Statewide	SB
A	Amendment to the Recycled Water Policy	<p>2018-04-27 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. Staff expects to release a draft of the proposed amendment and Staff Report with Substitute Environmental Documentation for public comment May 2, 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 also conducted 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 released their draft report for a 30-day public comment period January 31, 2018 and is considering comments and finalizing the report, which is scheduled for release by April 30, 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	Petition Order for Central Valley Regional Board's Eastern San Joaquin Agricultural Order	<p>2018-04-27 On February 7, 2018, the State Water Board adopted an order for 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.</p>	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
C	Approval of the CWA Section 303(d) List portion of the 2018 California Integrated Report	2018-04-11 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. The 303(d) List was submitted to the U.S. EPA for approval on February 5, 2018. USEPA approved the California 2014-2016 CWA Section 303(d) List of Impaired Waters on April 6th, 2018. No changes were made to California's 303(d) List prior to their approval.	Statewide	SB
C	Onsite Wastewater Treatment Systems (OWTS) Policy Implementation	2018-05-01 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. As of April 20, 2018, 38 LAMPs have been approved by Regional Boards and 25 additional LAMPs have been submitted for review. The State Water Board adopted the OWTS Policy conditional waiver renewal and TMDL list amendment on April 17, 2018. The next waiver update is due by May 5, 2023.	Statewide	SB
A	SB 83, Section 45 - Produced Water Pond Report	2018-02-07 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: https://www.waterboards.ca.gov/water_issues/programs/groundwater/sb4/oil_field_produced/produced_water_ponds/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.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
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	2018-05-02 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. Staff report released on 22 March 2018 with comment period ending May 7. Hearing noticed for 31 May/1 June 2018.	Regional	R5
A	Revision of General Order for Existing Dairies	2018-05-03 Revision of Revised General Order R5-2013-0122 to include requirements for composting consistent with the statewide composting General Order WQ 2015-0121-DWQ and requirements for land application areas consistent with the Irrigated Lands Regulatory Program requirements. Staff is drafting revisions and anticipates Regional Board consideration of the revised General Order in mid-2018.	Regional	R5
A	Water Quality Objectives for Ammonia	2018-05-03 Scoping meetings held on 15, 16 and 22 March in Rancho Cordova, Fresno and Redding, respectively. Agency meeting held 24 May. Toxicity testing in progress to provide information for criteria development.	Regional	R5
A	New winery waste guidelines	2018-05-02 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
A	Development of permit for Federal Non-Point Source activities on Forest Lands	2018-05-09 R5 is working with R6 to develop similar permits to cover NPS activities on USFS and BLM managed lands 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. 6 initial public outreach meetings were held from October through early December 2017. Project information can be found here: http://www.waterboards.ca.gov/lahontan/water_issues/programs/nps/federal_lands/	Regional	R5
A	Delta Regional Monitoring Program-RMP	2018-04-30 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 TAC is currently developing monitoring plans for mercury, nutrients, and pesticides/toxicity for next FY; plans will be reviewed at the May 11 Steering Committee meeting.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-18	Statewide Storm Water Construction General Permit Reissuance	2018-04-20 State Water Board staff is developing the draft permit 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 .	Statewide	SB
*A-20	State Water Board Water Rights Enforcement Policy	2018-04-23 The Enforcement Policy will establish criteria for a progressive, transparent, and consistent approach to water right enforcement throughout the state. It will allow Water Board staff the guidance needed to prioritize limited resources to achieve meaningful compliance, and provide a consistent approach to liability assessment.	Statewide	SB
A-20	Approval of the CWA Section 303(d) List portion of the 2018 California Integrated Report	2018-03-23 The 2018 California Integrated Report will consist of an 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 de-listings off-cycle. The data solicitation period ended on May 3, 2017. State and Regional Water Board staff are assessing the data with a tentative State Water Board approval scheduled for fall of 2020. Lines of Evidence are currently being written and reviewed.	Statewide	SB
A	Once-Through Cooling [OTC] Policy-Implementation, interim mitigation payments	2018-03-23 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. Final determinations and invoices covering once-through cooling from October 2015 through September 2016 were released in December 2017 through February 2018. Owners or operators of the powers plants have made payments to the Ocean Protection Council and the California Coastal Conservancy.	Statewide	SB
A	Implement Mercury TMDL/Control Program in Cache Creek Watershed - Sacramento River and San Joaquin River Basin Plan	2018-04-30 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

Key	Item	Status	Statewide or Regional Project	Org. Lead
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
P	Antidegradation Policy	2018-02-05 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.	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	2018-05-02 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	2018-05-02 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. Salt and Nitrate Control Program to be considered for adoption 31 May/1 June 2018.	Regional	R5

Status Bar

White = Active effort (A)
Pink = Targeted for completion in 2018 (A-18)
Light Lavender = Targeted for completion in 2019 (A-19)
Green = Targeted for completion in 2020 (A-20)
Orange = Targeted for completion in 2021 (A-21)
Gold = Completed 2017 (C2017)

ATTACHMENT A - Sanitary Sewer Spills - Summary Report
 Count of Spills for February 2018

Count of Spills Month	5F				5R				5S				Grand Total
	Category 1	Category 2	Category 3	5F Total	Category 1	Category 2	Category 3	5R Total	Category 1	Category 2	Category 3	5S Total	
February 2018	0	0	5	5	1	0	3	4	12	3	104	119	128

Spill Cause	Count of Spills	%
Root Intrusion	49	38.3%
Debris-General	28	21.9%
Grease Deposition (FOG)	13	10.2%
Debris from Lateral	6	4.7%
Operator Error	6	4.7%
Other	5	3.9%
Debris-Wipes/Non-Dispersables	4	3.1%
Pipe Structural Problem/Failure	4	3.1%
CS Maintenance Caused Spill/Damage	3	2.3%
Damage by Others Not Related to CS Construction/Maintenance	3	2.3%
Vandalism	3	2.3%
Debris from Construction	2	1.6%
Debris-Rags	2	1.6%
Total	128	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 - February 2018

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
SS	City Of Jackson CS	555010895	844556	Certified	Category 1	Ace hardware parking lot	Amador	Yes	81,012	68,912	2/1/2018	Damage by Others Not Related to CS Construction/Maintenance (Specify Below)
SS	Sacramento Area Sewer District CS	555010912	845396	Certified	Category 1	208321	Sacramento	Yes	1,950	1,950	2/27/2018	Vandalism
SS	Sutter Creek CS	555011061	844926	Certified	Category 1	Overflow from Basement Toilet through Wall at 18 Main Street	Amador	Yes	2,500	1,500	2/20/2018	Debris-General
SS	Deer Creek CS	555010923	844688	Certified	Category 1	DC-2018-02-02	El Dorado	Yes	1,500	1,300	2/6/2018	Damage by Others Not Related to CS Construction/Maintenance (Specify Below)
SR	Corning Indust/Domestic CS	555010805	844721	Certified	Category 1	1000 gallon spill that reached drainage ditch	Tehama	Yes	1,000	1,000	2/9/2018	Other (specify below)
SS	Sacramento Area Sewer District CS	555010912	845388	Certified	Category 1	208415	Sacramento	Yes	960	940	2/28/2018	Vandalism
SS	Sacramento Area Sewer District CS	555010912	845214	Certified	Category 1	208026	Sacramento	Yes	1,152	864	2/21/2018	Root Intrusion
SS	Grass Valley City CS	555010958	844650	Certified	Category 1	199 HUGHES RD	Nevada	Yes	1,030	800	2/7/2018	Pipe Structural Problem/Failure
SS	Deer Creek CS	555010923	844750	Certified	Category 1	DC-2018-02-03	El Dorado	Yes	200	180	2/9/2018	Damage by Others Not Related to CS Construction/Maintenance (Specify Below)
SS	Sacramento Area Sewer District CS	555010912	845272	Certified	Category 1	208083	Sacramento	Yes	115	112	2/25/2018	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	845281	Certified	Category 1	208126	Sacramento	Yes	30	28	2/25/2018	Root Intrusion
SS	City Of Lakeport CS	555010896	844521	Certified	Category 1	422 10th St.	Lake	Yes	25	20	2/1/2018	Debris from Lateral
SS	Hangtown Creek CS	555010965	845213	Certified	Category 1	914 Pacific St.	El Dorado	Yes	10	5	2/27/2018	Debris-General
SS	City Of Antioch CS	555010890	845091	Certified	Category 2	3601 Tabora Dr Antioch Ca	Contra Costa	No	1,494	0	2/25/2018	Debris from Lateral
SS	City of Sacramento Utilities CS	555010901	844836	Certified	Category 2	500 grand ave. Sacramento, Ca.	Sacramento	No	1,465	0	2/11/2018	Other (specify below)
SS	Modesto CS	555011001	844575	Certified	Category 2	2120 Prescott Rd Modesto CA	Stanislaus	No	1,050	0	2/3/2018	Grease Deposition (FOG)
SS	Murphys CS	555011007	844580	Certified	Category 3	457 Main st Murphys Ca 95247	Calaveras	No	787	0	2/5/2018	Debris-Wipes/Non-Dispersables
SS	Modesto CS	555011001	845616	Certified	Category 3	4832 Mc Nary Ct. Empire Ca. 95319	Stanislaus	No	742	0	2/15/2018	Other (specify below)
SS	Sacramento Area Sewer District CS	555010912	845240	Certified	Category 3	208061	Sacramento	No	650	0	2/25/2018	Grease Deposition (FOG)
SS	City of Stockton MUD CS	555011433	845054	Certified	Category 3	9820 Bowie Way Stockton Ca	San Joaquin	No	569	0	2/19/2018	Grease Deposition (FOG)
SS	Modesto CS	555011001	844579	Certified	Category 3	3717 Poinsetta Dr Modesto	Stanislaus	No	550	0	2/4/2018	Root Intrusion
SR	Redding City CS	555010801	845308	Certified	Category 3	1510 Highland Ave	Shasta	No	457	0	2/17/2018	Other (specify below)
SS	Sacramento Area Sewer District CS	555010912	846053	Certified	Category 3	207883	Sacramento	No	328	0	2/21/2018	Debris-General
SS	Sacramento Area Sewer District CS	555010912	846025	Certified	Category 3	206988	Sacramento	No	300	0	2/5/2018	Root intrusion
SS	SMD No. 2 CS	555011362	844760	Certified	Category 3	Barton Road, Granite Bay	Placer	No	253	0	2/1/2018	Debris from Construction
SS	City Of Jackson CS	555010895	844992	Certified	Category 3	100 E. Sierra view Dr.	Amador	No	240	0	2/22/2018	Debris-General
SS	Sacramento Area Sewer District CS	555010912	846029	Certified	Category 3	207860	Sacramento	No	226	0	2/18/2018	Root intrusion
SR	Biggs CS	555010789	844678	Certified	Category 3	482 B St.	Butte	No	200	0	2/7/2018	Debris-General
SS	Sacramento Area Sewer District CS	555010912	846041	Certified	Category 3	206881	Sacramento	No	166	0	2/1/2018	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	846049	Certified	Category 3	207089	Sacramento	No	166	0	2/6/2018	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	555010912	846002	Certified	Category 3	207105	Sacramento	No	151	0	2/7/2018	Root intrusion
5F	Wasco State Prison CS	555010775	844772	Certified	Category 3	Wasco State Prison	Kern	No	150	0	2/12/2018	Debris-Rags
SS	Sacramento Area Sewer District CS	555010912	846001	Certified	Category 3	206989	Sacramento	No	135	0	2/5/2018	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	845997	Certified	Category 3	206848	Sacramento	No	134	0	2/2/2018	Debris-General
SS	Lake Wildwood CS	555010884	844839	Certified	Category 3	13656 Lake Wildwood Dr. Penn Valley CA 95946	Nevada	No	101	0	2/13/2018	Grease Deposition (FOG)
5F	Wasco State Prison CS	555010775	845777	Certified	Category 3	Wasco State Prison	Kern	No	100	0	2/5/2018	Debris-Rags
5F	Tehachapi, City Of CS	555010764	845239	Certified	Category 3	Intersection of Hickory Ave and Cherry Lane, Tehachapi, CA 93561	Kern	No	100	0	2/28/2018	Debris-General
SS	Sacramento Area Sewer District CS	555010912	846004	Certified	Category 3	207171	Sacramento	No	82	0	2/7/2018	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	846014	Certified	Category 3	208250	Sacramento	No	65	0	2/27/2018	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	555010912	846046	Certified	Category 3	207746	Sacramento	No	62	0	2/18/2018	Debris-General
SS	Sacramento Area Sewer District CS	555010912	845999	Certified	Category 3	207311	Sacramento	No	61	0	2/10/2018	Vandalism
SS	City of Stockton MUD CS	555011433	844937	Certified	Category 3	1250 S Wilson Way Stockton Ca.	San Joaquin	No	52	0	2/20/2018	Debris from Lateral
SS	Davis CS	555010921	844646	Certified	Category 3	609 Coolidge St.	Yolo	No	45	0	2/6/2018	CS Maintenance Caused Spill/Damage
SS	Colfax CS	555010907	845117	Certified	Category 3	Manhole # 43 133 South Main St. Colfax, CA 95713	Placer	No	41	0	2/27/2018	Debris-General
SS	Deer Creek CS	555010923	844917	Certified	Category 3	DC-2018-02-01	El Dorado	No	40	0	2/5/2018	Root Intrusion
SS	South Placer Mud CS	555011054	845852	Certified	Category 3	N08-024 on Coldwater ct	Placer	No	36	0	2/5/2018	Debris from Lateral
SS	Davis CS	555010921	844615	Certified	Category 3	1501 W 8th St.	Yolo	No	35	0	2/5/2018	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	846030	Certified	Category 3	207161	Sacramento	No	35	0	2/7/2018	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	846017	Certified	Category 3	207295	Sacramento	No	27	0	2/9/2018	Root intrusion
SS	South Placer Mud CS	555011054	845822	Certified	Category 3	4024 Aitkins Dairy Rd, Rocklin	Placer	No	24	0	2/14/2018	Root Intrusion
SS	Cascade Shores CS	555010888	844837	Certified	Category 3	13176 Summit Ridge Dr. Nevada City CA 95959	Nevada	No	23	0	2/12/2018	Root Intrusion
SS	City of Stockton MUD CS	555011433	845090	Certified	Category 3	7958 Thornton Rd Stockton Ca	San Joaquin	No	23	0	2/25/2018	Debris-General
SS	City Of Brentwood CS	555010891	844863	Certified	Category 3	328 Elm St.	Contra Costa	No	21	0	2/8/2018	Debris from Lateral
SS	Sacramento Area Sewer District CS	555010912	846028	Certified	Category 3	207653	Sacramento	No	18	0	2/15/2018	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	846037	Certified	Category 3	207442	Sacramento	No	17	0	2/13/2018	Debris-General
SS	City Of Antioch CS	555010890	844567	Certified	Category 3	309 w 7th st Antioch	Contra Costa	No	16	0	2/1/2018	Pipe Structural Problem/Failure
SS	West Sacramento CS	555011082	844881	Certified	Category 3	1964 Maryland Ave, West Sacramento 95691	Yolo	No	16	0	2/10/2018	Debris-Wipes/Non-Dispersables
SS	West Sacramento CS	555011082	845288	Certified	Category 3	1043 Park Blvd, West Sacramento, CA	Yolo	No	16	0	2/28/2018	Debris-Wipes/Non-Dispersables
5F	City Of Bakersfield CS	555010717	844921	Certified	Category 3	Ambergrove St and Cedar Branch Wy	Kern	No	15	0	2/13/2018	Grease Deposition (FOG)
5F	City Of Bakersfield CS	555010717	844923	Certified	Category 3	6000 Chicory Dr	Kern	No	15	0	2/19/2018	Grease Deposition (FOG)
SS	Modesto CS	555011001	845618	Certified	Category 3	3129 Nightingale Modesto Ca 95356	Stanislaus	No	12	0	2/26/2018	Operator Error
SS	City Of Antioch CS	555010890	844707	Certified	Category 3	4854 greencastle way Antioch Ca	Contra Costa	No	11	0	2/8/2018	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	846040	Certified	Category 3	207460	Sacramento	No	11	0	2/13/2018	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	846047	Certified	Category 3	208320	Sacramento	No	11	0	2/27/2018	Grease deposition (FOG)
SS	Sacramento Area Sewer District CS	555010912	846052	Certified	Category 3	207702	Sacramento	No	11	0	2/16/2018	Debris-General
SS	Mule Creek State Prison CS	555011005	844762	Certified	Category 3	mule creek state prison	Amador	No	10	0	2/9/2018	Debris-General
SS	Davis CS	555010921	844562	Certified	Category 3	522 k street	Yolo	No	10	0	2/4/2018	CS Maintenance Caused Spill/Damage
SS	Sacramento Area Sewer District CS	555010912	846006	Certified	Category 3	207224	Sacramento	No	10	0	2/7/2018	Debris-General
SS	Sacramento Area Sewer District CS	555010912	846013	Certified	Category 3	207739	Sacramento	No	10	0	2/17/2018	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	846038	Certified	Category 3	207639	Sacramento	No	10	0	2/15/2018	Debris-General
SS	Sacramento Area Sewer District CS	555010912	846044	Certified	Category 3	207355	Sacramento	No	10	0	2/12/2018	Debris-General
SS	West Sacramento CS	555010882	844669	Certified	Category 3	1511 Delaware Ave, West Sacramento, CA	Yolo	No	10	0	2/7/2018	Debris-Wipes/Non-Dispersables
SS	Sacramento Area Sewer District CS	555010912	846031	Certified	Category 3	207316	Sacramento	No	8	0	2/10/2018	Root intrusion
SS	Nevada City CS	555011011	845199	Certified	Category 3	5 galena way	Nevada	No	7	0	2/4/2018	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	845994	Certified	Category 3	207686	Sacramento	No	7	0	2/16/2018	Root intrusion
SS	Sacramento Area Sewer District CS	555010912	846018	Certified	Category 3	207298	Sacramento	No	7	0	2/9/2018	Debris-General
SS	Dry Creek CS	555010935	844961	Certified	Category 3	2204 McLaren Dr.	Placer	No	6	0	2/8/2018	Root Intrusion
SS	Sacramento Area Sewer District CS	555010912	846011	Certified	Category 3	206900	Sacramento	No	6	0	2/3/2018	Root intrusion
SS	Davis CS	555010921	845041	Certified	Category 3	1208 L street	Yolo	No	5	0	2/23/2018	CS Maintenance Caused Spill/Damage

ATTACHMENT A - Sanitary Sewer Overflow (SSO) Spills - February 2018

Region	Collection System	WDID	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Did Spill Reach Surface Waters? (Y/N)	Total Spill Volume (Gallons)	Spill Volume that Reached Surface Waters (Gallons)	Start Date	Spill Cause
55	Sacramento Area Sewer District CS	555010912	845996	Certified	Category 3	206765	Sacramento	No	5	0	2/2/2018	Root intrusion
55	Sacramento Area Sewer District CS	555010912	846012	Certified	Category 3	206901	Sacramento	No	5	0	2/4/2018	Root intrusion
55	Sacramento Area Sewer District CS	555010912	846015	Certified	Category 3	206924	Sacramento	No	5	0	2/4/2018	Grease deposition (FOG)
55	Sacramento Area Sewer District CS	555010912	846027	Certified	Category 3	207539	Sacramento	No	5	0	2/13/2018	Debris-General
55	Sacramento Area Sewer District CS	555010912	846033	Certified	Category 3	207765	Sacramento	No	5	0	2/19/2018	Root intrusion
55	Sacramento Area Sewer District CS	555010912	846034	Certified	Category 3	208438	Sacramento	No	5	0	2/28/2018	Root intrusion
55	City of Stockton MUD CS	555011433	844616	Certified	Category 3	607 S. Sierra Nevada St Stockton Ca	San Joaquin	No	5	0	2/3/2018	Debris from Lateral
55	City of Stockton MUD CS	555011433	845269	Certified	Category 3	922 N. Center St. Stockton Ca.	San Joaquin	No	5	0	2/27/2018	Debris-General
55	Sacramento Area Sewer District CS	555010912	845998	Certified	Category 3	207266	Sacramento	No	4	0	2/6/2018	Root intrusion
55	Sacramento Area Sewer District CS	555010912	846003	Certified	Category 3	207164	Sacramento	No	4	0	2/7/2018	Root intrusion
55	Sacramento Area Sewer District CS	555010912	846007	Certified	Category 3	207356	Sacramento	No	4	0	2/12/2018	Debris-General
55	Sacramento Area Sewer District CS	555010912	846016	Certified	Category 3	207143	Sacramento	No	4	0	2/7/2018	Root intrusion
55	Sacramento Area Sewer District CS	555010912	846020	Certified	Category 3	208338	Sacramento	No	4	0	2/27/2018	Root intrusion
55	Sacramento Area Sewer District CS	555010912	846021	Certified	Category 3	207714	Sacramento	No	4	0	2/16/2018	Debris-General
55	Sacramento Area Sewer District CS	555010912	846024	Certified	Category 3	206690	Sacramento	No	4	0	2/1/2018	Root intrusion
55	Sacramento Area Sewer District CS	555010912	846035	Certified	Category 3	207088	Sacramento	No	4	0	2/6/2018	Operator error
55	Sacramento Area Sewer District CS	555010912	846036	Certified	Category 3	207284	Sacramento	No	4	0	2/9/2018	Debris-General
55	Sacramento Area Sewer District CS	555010912	846051	Certified	Category 3	207638	Sacramento	No	4	0	2/15/2018	Root intrusion
5R	Anderson CS	555010784	845197	Certified	Category 3	Manhole D411M	Shasta	No	3	0	2/23/2018	Debris from Construction
55	Sacramento Area Sewer District CS	555010912	845991	Certified	Category 3	207542	Sacramento	No	3	0	2/14/2018	Root intrusion
55	Sacramento Area Sewer District CS	555010912	845993	Certified	Category 3	206837	Sacramento	No	3	0	2/2/2018	Debris-General
55	Sacramento Area Sewer District CS	555010912	846010	Certified	Category 3	206893	Sacramento	No	3	0	2/3/2018	Debris-General
55	Sacramento Area Sewer District CS	555010912	846019	Certified	Category 3	207775	Sacramento	No	3	0	2/19/2018	Root intrusion
55	Sacramento Area Sewer District CS	555010912	846022	Certified	Category 3	208050	Sacramento	No	3	0	2/25/2018	Pipe Structural Problem/Failure
55	Sacramento Area Sewer District CS	555010912	846032	Certified	Category 3	207548	Sacramento	No	3	0	2/8/2018	Root intrusion
55	Sacramento Area Sewer District CS	555010912	846042	Certified	Category 3	206964	Sacramento	No	3	0	2/5/2018	Debris-General
55	Sacramento Area Sewer District CS	555010912	846043	Certified	Category 3	207005	Sacramento	No	3	0	2/4/2018	Root intrusion
55	Sacramento Area Sewer District CS	555010912	846045	Certified	Category 3	207741	Sacramento	No	3	0	2/17/2018	Root intrusion
55	Sacramento Area Sewer District CS	555010912	846050	Certified	Category 3	207619	Sacramento	No	3	0	2/15/2018	Root intrusion
55	City of Stockton MUD CS	555011433	844880	Certified	Category 3	8923 Don Borgia Way Stockton Ca	San Joaquin	No	3	0	2/15/2018	Other (specify below)
55	Sacramento Area Sewer District CS	555010912	845992	Certified	Category 3	208439	Sacramento	No	2	0	2/28/2018	Root intrusion
55	Sacramento Area Sewer District CS	555010912	846000	Certified	Category 3	207811	Sacramento	No	2	0	2/20/2018	Operator error
55	Sacramento Area Sewer District CS	555010912	846005	Certified	Category 3	207181	Sacramento	No	2	0	2/8/2018	Root intrusion
55	Sacramento Area Sewer District CS	555010912	846008	Certified	Category 3	207570	Sacramento	No	2	0	2/14/2018	Operator error
55	Sacramento Area Sewer District CS	555010912	846009	Certified	Category 3	208129	Sacramento	No	2	0	2/26/2018	Grease deposition (FOG)
55	Sacramento Area Sewer District CS	555010912	846023	Certified	Category 3	208059	Sacramento	No	2	0	2/25/2018	Debris-General
55	Sacramento Area Sewer District CS	555010912	846026	Certified	Category 3	207510	Sacramento	No	2	0	2/14/2018	Pipe Structural Problem/Failure
55	Sacramento Area Sewer District CS	555010912	846054	Certified	Category 3	207904	Sacramento	No	2	0	2/21/2018	Root intrusion
55	Sacramento Area Sewer District CS	555010912	846055	Certified	Category 3	209310	Sacramento	No	2	0	2/22/2018	Root intrusion
55	City of Stockton MUD CS	555011433	844592	Certified	Category 3	2540 Tiffany St.	San Joaquin	No	2	0	2/5/2018	Grease Deposition (FOG)
55	City of Stockton MUD CS	555011433	845373	Certified	Category 3	6715 Ector Ct Stockton Ca	San Joaquin	No	2	0	2/28/2018	Grease Deposition (FOG)
55	Easterly CS	555010938	844727	Certified	Category 3	202 Tahoe dr.	Solano	No	2	0	2/11/2018	Root Intrusion
55	Sacramento Area Sewer District CS	555010912	845995	Certified	Category 3	208288	Sacramento	No	1	0	2/27/2018	Operator error
55	Sacramento Area Sewer District CS	555010912	846039	Certified	Category 3	207065	Sacramento	No	1	0	2/6/2018	Operator error
55	Sacramento Area Sewer District CS	555010912	846048	Certified	Category 3	208393	Sacramento	No	1	0	2/28/2018	Debris-General
55	South Placer Mud CS	555011054	845833	Certified	Category 3	M12-019	Placer	No	1	0	2/14/2018	Root Intrusion
55	City of Stockton MUD CS	555011433	844934	Certified	Category 3	1444 N. Baker St Stockton Ca.	San Joaquin	No	1	0	2/20/2018	Root Intrusion
55	City of Stockton MUD CS	555011433	844935	Certified	Category 3	1446 N. Edison Stockton Ca.	San Joaquin	No	1	0	2/19/2018	Root Intrusion
55	City of Stockton MUD CS	555011433	845120	Certified	Category 3	1909 N. San Joaquin St Stockton Ca	San Joaquin	No	1	0	2/22/2018	Debris-General