

EXECUTIVE OFFICER'S REPORT

4/5 JUNE 2020

**California Regional Water Quality Control Board
Central Valley Region**

Patrick Pulupa, Executive Officer



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SUCCESS STORIES

SITE CLEANUPS

UNDERGROUND STORAGE TANKS – SUCCESSFULLY CLOSED – NO FURTHER ACTION REQUIRED

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

Howard's Mini Market, 3300 Planz Road, Bakersfield, Kern County

Howard's Mini Market (Howard's) discovered and repaired a release from UST product piping in 2006. Howard's detected gasoline constituents in shallow soil samples and the local agency filed an Unauthorized Release Report and requested investigation. Howard's conducted a series of site assessments beginning in 2007 to evaluate the extent of the release in soil, which found that the fuel oxygenate methyl tertiary butyl ether (MTBE) extended further vertically and laterally than other gasoline constituents, and had migrated to near the water table. Howard's conducted groundwater monitoring during 2010 and 2011 and detected gasoline constituents during the initial monitoring, but not thereafter and they discontinued monitoring after eight events. Howard's removed Approximately 65,000 pounds (10,300 gallons) of gasoline constituents by soil vapor extraction (SVE), which was approximately 60 percent of the estimated contaminant mass. Enhanced Leak Detection testing during 2017 confirmed an ongoing release from the UST system and soil gas concentrations greatly decreased after two UST system repair events during 2017. Howard's conducted soil and soil gas sampling in 2018 that demonstrated gasoline constituent concentrations remaining in soil and soil gas did not threaten human health and safety. The source mass will be further reduced by natural attenuation. A case closure letter was issued on 12 March 2020, in accordance with the *Low-Threat Closure Policy*.

Ribier Market, 11228 South Edison Road, Lamont, Kern County

The site is vacant but was formerly a convenience store with retail motor fuel sales in an area of agricultural properties. It is not within the service area of a Public Water System. The property owner removed the USTs, fuel dispensers, and product piping during 1989 and detected gasoline constituents in soil samples collected beneath the USTs. The property owner conducted a series of investigations that detected gasoline constituents to approximately 125 feet below ground surface (bgs) with the greatest concentrations from 55 to 85 feet bgs. Monitoring wells, installed to monitor perched water zones on clay layers at 105 and 120 feet bgs, contained gasoline constituents before they went dry. The regional water table is at approximately 375 feet bgs. Gasoline constituents were not detected in onsite and offsite supply wells. SVE removed about 17,000 pounds (2,700 gallons) of gasoline constituents. Shallow soil and soil gas sampling during 2017 confirmed that gasoline constituent concentrations did not exceed health risk screening levels. The remaining source mass should not pose unacceptable risk to human health, safety and the environment and should continue to degrade naturally. The case was closed on 18 March 2020 in accordance with criteria in the *Low-Threat Closure Policy*.

Ann Keyes Property, 245 East Street, Lemoore, Kings County

The site is vacant but operated as an automotive service station prior to the 1970s. A 1998 site assessment discovered two 550-gallon USTs, and gasoline and diesel constituents in soil and shallow groundwater. The property owner removed the USTs during 2003 and discovered and removed three additional 750-gallon USTs. The environmental consultant conducted groundwater, soil, and soil gas sampling during 2015 and estimated that approximately 450 pounds (70 gallons) of gasoline and diesel remained in the subsurface. Gasoline constituent concentrations in soil and soil vapor did not exceed health risk screening levels and the groundwater plume was less than 100 feet in length. Active remediation was not practicable, and the small remaining hydrocarbon mass will be further reduced by natural attenuation and is not likely to pose a threat to human health and safety or the environment. A case closure letter was issued on 17 March 2020 in accordance with the *Low-Threat Closure Policy*.

Valley Convenience Store #9, 537 East Pine Street, Exeter, Tulare County

Valley Convenience Stores (VCS) discovered an unauthorized petroleum product release in September 1994 during a subsurface soil assessment. From June 1995 through February 2014, VCS investigated the extent and distribution of gasoline constituents and elevated concentrations of gasoline constituents ranged from 10 to 80 feet bgs, with low to non-detect concentrations at depths greater than 80 feet bgs. VCS removed approximately 320,000 pounds (51,000 gallons) of TPHg/benzene by SVE/air sparging (SVE/AS) remediation from October 2003 through January 2019. VCS conducted groundwater sampling from January 1997 through November 2018, when the wells became dry. The groundwater plume was stable and decreasing in concentrations before the majority of monitoring wells went dry. Remaining petroleum hydrocarbons continue to naturally attenuate and not adversely impact environmental quality, the beneficial uses of groundwater, or pose an unacceptable risk to human

health. VCS completed technically and economically feasible cleanup. The case meets the criteria of the *Low-Threat Closure Policy* and was closed on 27 March 2020.

SACRAMENTO

Sierra Energy, 716 and 746 Pool Station Road, San Andreas, Calaveras County

The 716 Pool Station Road Site is currently an active tire distributor. The 746 Pool Station Road Site is an active fuel service station with above ground fuel storage tanks. The Sites are located adjacent to each other in San Andreas, Calaveras County. In September 1989, Sierra Energy removed a 4,000-gallon sump tank (used for capturing loading rack overflow) from the 746 Pool Station Road Site. In February 2001, a 716 Pool Station Road Site dispenser released 20 to 100 gallons of diesel, which discharged to the drainage along Pool Station Road near the intersection of Highway 49. Soil samples and groundwater samples collected from the Sites indicated that unauthorized releases had impacted soil and groundwater at the Site. Between June 2007 and April 2015, E2C, Sierra Energy's environmental consultant, conducted high vacuum extraction and dual phase extraction to remove approximately 33,900 pounds of petroleum hydrocarbons from the Sites. In June 2010, Sierra Energy removed three 12,000-gallon USTs from the 716 Pool Station Road Site. While petroleum hydrocarbons remain beneath the Site, groundwater sampling data show that the impact to groundwater is defined and stable. There are no water supply wells located within 2,000 feet of the Site. Therefore, residual petroleum constituents are unlikely to pose a threat to human health or further impact waters of the state as they attenuate. Consequently, they do not justify the cost of any additional active remediation or monitoring, and Central Valley Water Board staff concurs with E2C's recommendation for Site closure. This Site was closed on 20 March 2020.

Sanguinetti Property, 2085 East. Mariposa Road, Stockton, San Joaquin County

In March 2018, a potential buyer of the Site property performed a Phase I Environmental Site Assessment and discovered that a Shell-branded fueling station had operated at the Site between the late 1960's and 1978. A report detailing the removal of USTs has not been found; however, investigations indicate that no USTs remain at the Site. In April 2018, on behalf of Equilon Enterprises LLC dba Shell Oil Products US, Wayne Perry Inc. (WPI) performed an initial Phase II investigation at the Site, which indicated a petroleum release had occurred at the Site. In July 2019, WPI performed additional soil and groundwater assessment at the Site. Based on data from this additional assessment, WPI concluded that the petroleum hydrocarbon release was limited to the area immediately adjacent to the former UST, and that Site conditions meet the *Low-Threat Closure Policy* Groundwater-Specific criteria by Class 1. The Site meets the rest of the General and Media-Specific criteria for closure, and the case was closed on 26 February 2020.

Sierra Lumber Case #1, 375 W. Hazelton Avenue, Stockton, San Joaquin County

In August 1988, Sierra Lumber removed a 1,000-gallon gasoline UST from beneath the southwestern corner of the Site building. In August 1994 Sierra Lumber filed an unauthorized release report with San Joaquin County Environmental Health Department (SJCEHD) following initial assessment activities in June 1994. To assess the extent of the release, between June 1994 and April 2019 Sierra Lumber installed nine monitoring wells and advanced eight soil and groundwater borings. Between April 2001 and November 2005, Sierra Lumber operated an SVE/AS remediation system and removed 1,920 pounds of hydrocarbons from the subsurface. Site conditions meet the General and Media-Specific criteria for case closure under the *Low-Threat Closure Policy*, and the case was closed on 26 March 2020.

Sierra Lumber Case #2, 375 W. Hazelton Avenue, Stockton, San Joaquin County

In June 2004, a Phase I Environmental Assessment performed as part of a property ownership transfer identified that a former UST of unknown capacity had been removed from beneath the southeastern corner of the Site building sometime in the 1970's or 1980's. In October 2004 Sierra Lumber filed an unauthorized release report with SJCEHD following initial assessment activities in June 2004. To assess the extent of the release, between June 2004 and January 2016 Sierra Lumber installed eleven monitoring wells and advanced thirteen soil and groundwater borings. Between August 2012 and August 2016, Sierra Lumber operated dual-phase extraction (DPE) remediation system and removed 3,780 pounds of hydrocarbons and 4,100,000 gallons of impacted groundwater from the subsurface. Site conditions meet the General and Media-Specific criteria for case closure under the *Low-Threat Closure Policy*, and the case was closed on 26 March 2020.

REDDING

Chico Scrap Metal, Durham Facility, Case SLT1052, Butte County

A scrap metal operation has been operating at this site for more than twenty years. During a 2007 inspection, the Department of Toxic Substances Control (DTSC) collected samples of surface soil and work product. Sampling results indicated the presence of metals, polychlorinated biphenyls (PCBs), diesel, and motor oil; some parameters exceeded hazardous waste thresholds. Based on these findings, Central Valley Water Board staff opened a Site Cleanup Program case in September 2008. DTSC remained the lead oversight agency for remedial investigations conducted at the site in 2012 and 2015. In general, the remedial investigation results showed very little contamination present at the site. In 2015, DTSC issued a No Further Action after receipt of the recorded Land Use Covenant (LUC). The LUC was placed on the property because PCBs remain in soil above levels appropriate for unrestricted use and because a portion of the property overlain by the secondary containment system was not investigated. Staff closed the case in April 2020 because site conditions do not pose an on-going threat to water quality.

Modern Cleaners, Corning, Site Cleanup Program Case No. SLT5R1021, Tehama County

Staff of the Redding Groundwater Unit are providing oversight for an investigation of potential release of perchloroethylene (PCE) from former dry cleaners and other sources along Solano Street in the City of Corning. The investigation is funded by the State Water Resources Control Board Site Cleanup Subaccount Program (SCAP). During April 2020, staff distributed a fact sheet notifying over 700 residents and businesses within ¼-mile of the study area of upcoming Phase 2 investigation activities. The State Water Resources Control Board contractor will perform the investigation during May 2020.

IRRIGATED LANDS REGULATORY PROGRAM

IRRIGATED AGRICULTURE – SUCCESSFUL COMPLETION OF IMPLEMENTED MANAGEMENT PLANS

Under the Irrigated Lands Regulatory Program (ILRP), a management plan is triggered when water samples from a monitoring site are tested and a constituent has two or more exceedances of the appropriate water quality limit within a 3-year period. This requires development of a management plan by the Coalition and implementation of improved management practices by member growers. Implementation is deemed successful when the Coalition demonstrates: (1) at least three years of compliance with receiving water limitations; (2) documentation of third-party education and outreach to growers; (3) documentation of implementation of improved management practices; and (4) demonstration of management practice effectiveness.

Sacramento Valley Water Quality Coalition

On 29 April 2020, the Executive Officer approved completion of seven surface water management plans for the San Joaquin County & Delta Water Quality Coalition (Coalition):

- Chlorpyrifos at Duck Creek at Hwy 4
- Chlorpyrifos at French Camp Slough at Airport Way
- Dissolved oxygen at Lone Tree Creek at Jack Tone Road
- Chlorpyrifos at Mormon Slough at Jack Tone Road
- DDE at Robert's Island at Whiskey Slough Pump
- Chlorpyrifos at Terminous Tract Drain at Hwy 12
- Lead at Unnamed Drain to Lone Tree Creek

The implemented management plans successfully eliminated water quality problems caused or influenced by discharge of agricultural pollutants into surface receiving waters. The Coalition held multiple member meetings and conducted targeted outreach to individual growers to provide general and site-specific guidance regarding practices to protect water quality. Examples of new practices implemented by growers include:

reduced use of pesticides; adopting efficient irrigation methods; reduced runoff; and use of grassed rows, waterways and filter strips. Water quality analyses showed that receiving water limits were met, demonstrating the effectiveness of implemented practices.

STAFF RECOGNITION

EMPLOYEE RECOGNITION AWARDS - MAY 2020

Employee: Harihar Nepal

Unit: Cannabis Permitting and Compliance

Location: Redding

Title: Environmental Scientist

Supervisor: Elizabeth Betancourt, Senior Environmental Scientist

Harihar Nepal was hired in March 2018 to join the Cannabis Permitting and Compliance Unit (CPCU) in the Redding office as an Environmental Scientist. He came with great experience in water quality science as well as regulation, and immediately helped in shaping the nascent cannabis permitting effort through the State Water Board's new General Order.

Harihar's experience has helped us to streamline our inspections, and his leadership in working with Yolo County, the most active jurisdiction for which he has responsibility, has helped both the Water Boards and County staff to stabilize the industry in that jurisdiction and create relationships with the direct result of protecting water quality. He shepherded an enforcement case on a parcel with multiple owners that changed hands during the enforcement action, and that had negative impacts on their neighbors. He worked hard to ensure that the outcome was fair, inclusive, and ultimately protected water quality, upholding Water Board regulations.

Harihar has taken on the additional role of working with the State Board on refining the online application portal to make it more user-friendly. He also provides effective outreach and continually updates our tracking tables to support our ongoing permitting efforts. These tasks are central not only to the work we do, but to ensuring that potential dischargers understand the application process, helping them to come into compliance and minimizing the workload of our short-handed staff.

Harihar's leadership during the COVID-19 crisis has significantly contributed to a smooth transition of our unit's work to an online/work-from-home (WFH) model. Before the order to WFH was in place, Harihar had established SharePoint templates promoting our continued effectiveness in permitting and regulating applicants, and he continues to support the adaptation of these materials as our needs evolve. Harihar has also taken on significant additional workload with COVID-19-related unit absences and does so with an excellent attitude and with the attention that our work requires.

Harihar is a serious regulator, and studious scientist, and a reliable colleague. He is always looking for ways to improve. We are lucky to have him, and I am so pleased to award him this month's Employee Recognition Award!

Employee: Stacey Alexander
Unit: NPDES
Location: Redding
Title: Environmental Scientist
Supervisor: Jeremy Pagan, Senior Water Resource Control Engineer

Stacey Alexander is an Environmental Scientist working in the NPDES Unit of the Redding office of the Central Valley Water Board. Stacey has been working for the Central Valley Water Board since September 2018. Stacey brings a diverse background and skillset to the NPDES Unit with work experience including conservation, aquariums, restoration projects, and various fisheries-related projects with the California Department of Fish and Wildlife. She received her B.S. in Biology with a minor in Environmental Science from CSU Channel Islands and is currently working toward her M.S. in Geoscience with a hydrology option at CSU Chico. Stacey is a hard worker, a good team member, and has a tremendously positive attitude.

Stacey manages a case load of surface water dischargers consisting of manufacturing facilities, sawmill and cogeneration plants, and municipal wastewater treatment plants. She also acts as the point person for enrollees in the fish hatchery and utility vaults general NPDES permits. Additionally, she is the region-wide lead for whole effluent toxicity testing and has been tasked with developing permit language to be consistent with the forthcoming toxicity provisions from the State Water Board. Stacey recently completed her first NPDES permit renewal for a sawmill and cogeneration facility. The permit was written largely to regulate stormwater and not process-related wastewater, so it was in some ways a more challenging and less traditional NPDES permit to write. Additionally, since the permit was for a private business entity, it underwent significant review from the discharger and numerous rounds of edits before completion. In the end, Stacey was able to communicate well with the discharger, facilitate changes to the permit as appropriate, and ultimately bring her first NPDES permit before the Board as an uncontested item. Stacey has faced a significant and steep learning curve since she started with the Water Board, but she has worked hard, tackled challenges with great optimism, and has already made significant contributions to the Redding NPDES Unit.

Stacey is truly a positive force in the NPDES Unit and the Redding office. She maintains a professional and courteous demeanor in all circumstances and her outgoing, pleasant, and optimistic nature makes her a tremendous team member. She is hard working and dedicated to the mission of the Water Board and has a great passion for conservation and environmental protection. Because of her hard work in completing her first NPDES permit renewal in addition to the numerous other ways she contributes to the NPDES Unit and Redding office, Stacey is well deserving of the Redding Office's Employee Recognition Award.

Employee: Hien Tran
Unit: Admin
Location: Sacramento
Title: Associate Government Program Analyst
Supervisor: Brett Braidman

Hien Tran has worked for the Regional Waterboard for nearly 12 years. She serves as an Associate Governmental Program Analyst in the Operations Unit in the Rancho Cordova office. Hien is deserving of this recognition for her consistently high-quality and accurate work products, her positive attitude, work ethic and her professionalism.

Most recently, the edict came down from the State Water Board to all divisions and regions that there was a greater urgency for timesheets to be submitted and approved in a timely manner. This meant that Region 5 needed to make an about face from past years and make a coordinated attempt within our three offices to have timesheets processed by the end of the pay period. Since September 2019, Regional 5 has had a perfect score in timely timesheets, high praise and thanks to all staff – but one person stood out for doing the heavy lifting behind the scenes to analyze each timesheet, send out emails to amend timesheets for errors, and coordinate for the timely submittal and approval of 300+ timesheets – that person was Hien Tran. Hien took on this project with a tenaciousness and work pride that is too often a lost art. An AGPA by design is to exercise an independent analytical ability in completing their work. However, with Hien, she is extra stealth – getting things done before her supervisor is aware of her efficiency. In short, Hien’s work ethic, ability and professionalism are what we are looking for in our Admin staff at Region 5. Hien Tran is very deserving of this award.

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 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.

ORDERS AND COMPLAINTS 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 (CDOs); 13267 Investigative Orders; Expedited Payment Letters (EPLs); and Administrative Civil Liability (ACL) Orders and Complaints) that have been issued by the Central Valley Water Board or staff since the previous EO Report and that are recorded in the California Integrated Water Quality System (CIWQS) database.

**ENFORCEMENT TABLE 1 – CENTRAL VALLEY ENFORCEMENT ORDERS
(1 MARCH 2020 THROUGH 15 APRIL 2020)**

| Action Date | Agency | County | Notes |
|-------------|------------------------|--------|--|
| 3/9/2020 | Hanover Properties LCC | Butte | Administrative Civil Liability Complaint (ACLC) R5-2020-0505 issued in the amount of \$193,088. The ACLC alleges that the Discharger failed to submit a technical report required by CAO R5-2015-0741 and the Discharger failed to complete all corrective actions contained in the (Restoration, Monitoring, and Mitigation Plan) RMMP. |
| 3/9/2020 | Terborg, Kyle | Shasta | ACLC R5-2020-0510 issued in the amount of \$198,352. The ACLC alleges that the Discharger failed to comply with CAO R5-2016-0716 and failed to submit a RMMP. |
| 3/18/2020 | Alturas City | Modoc | CDO R5-2020-0005 was issued because the Discharger is not able to consistently comply with one or more effluent limitation established in Waste Discharge Requirements (WDRs) R5-2020-0004. The CDO requires investigating suitable land sites to change from surface water disposal to land disposal and making modifications to the existing Facility to meet anticipated land discharge requirements. |
| 3/18/2020 | Berrendos CSD | Tehama | 13267 Order issued for failure to respond to a request for Report of Waste Discharger (ROWD). 13267 requires the Discharger to submit Form 200 and ROWD. |
| 3/18/2020 | Avila, Frank | Tehama | 13267 Order issued for failure to respond to a request for Report of Waste Discharger (ROWD). 13267 requires the Discharger to submit Form 200 and ROWD. |
| 4/3/2020 | Westbound Farms | Nevada | 13267 Order issued for failure to comply with a previous Notice of Violation (NOV), as well as additional evidence of waste discharge and the threat of continued discharges of waste resulting from hillside grading and road building activities in violation of the Cannabis General Order. The Order requires the Discharger to implement immediate remediation and mitigation work, remove refuse and materials in violation of the Order, and complete technical reports detailing plans for compliance. |

| Action Date | Agency | County | Notes |
|-------------|------------------------------------|--------|---|
| 4/7/2020 | Quincy Community Services District | Plumas | ACL Order R5-2019-0521 issued in the amount of 18,000. The Order is based on finding listed in ACLC R5-2017-0556, which represented the statutory Mandatory Minimum Penalties (MMPs) for effluent violations that occurred between 1 April 2013 and 31 March 2016. |
| 4/10/2020 | Alifeletil Kaufana Vaituulala | Lake | 13267 Order issued due to lack of proper waste management, poorly constructed road drainage, improper storage of chemicals, and a small petroleum spill at site regulated by the cannabis general order. 13267 Order requires the Discharger to submit technical reports summarizing steps it will take to mitigate these issues. |

ENFORCEMENT UPDATE

Enforcement Table 2 below summarizes the enforcement actions issued in all Regions for the period between 1 March 2020 through 15 April 2020. From a statewide perspective, Region 5 is responsible for 29% of the enforcement actions tracked in CIWQS during this period including 80% of all 13267 Orders, 21% of all ACLs, and 79% of all NOV's.

ENFORCEMENT TABLE 2 – STATEWIDE ENFORCEMENT ACTIONS IN CIWQS (1 MARCH 2020 THROUGH 15 APRIL 2020)

| Region | 13267 | NNC | ACL | CDO | EPL | NOV | NTC | SEL | VER | Total |
|----------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 3 |
| 2 | 0 | 0 | 4 | 0 | 0 | 4 | 0 | 0 | 0 | 8 |
| 3 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 2 | 0 | 5 |
| 4 | 0 | 55 | 3 | 0 | 3 | 6 | 1 | 0 | 0 | 68 |
| 5F | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 2 | 0 | 5 |
| 5R | 3 | 0 | 3 | 1 | 0 | 3 | 0 | 0 | 0 | 10 |
| 5S | 1 | 0 | 0 | 0 | 0 | 43 | 0 | 0 | 1 | 45 |
| Region 5 | 4 | 0 | 3 | 1 | 0 | 49 | 0 | 2 | 1 | 60 |
| 6T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 6V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 |

| Region | 13267 | NNC | ACL | CDO | EPL | NOV | NTC | SEL | VER | Total |
|--------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 8 | 0 | 4 | 0 | 0 | 2 | 0 | 0 | 21 | 29 | 56 |
| 9 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 4 |
| Total | 5 | 59 | 14 | 1 | 5 | 62 | 1 | 30 | 33 | 210 |

ENFORCEMENT ACTIONS:

ENFORCEMENT ACTIONS AND ABBREVIATIONS:

- VER - Verbal Communication
- SEL - Staff Enforcement Letter
- NOV - Notice of Violation
- NNC - Notice of Non-Compliance
- 13267 - Water Code Section 13267 Investigation Order
- TSO - Time Schedule Order
- EPL - Expedited Payment Letter
- ACL - Administrative Civil Liability
- NTC - Notice to Comply
- CDO - Cease and Desist Action

STATEWIDE ENFORCEMENT ACTIONS BY REGION

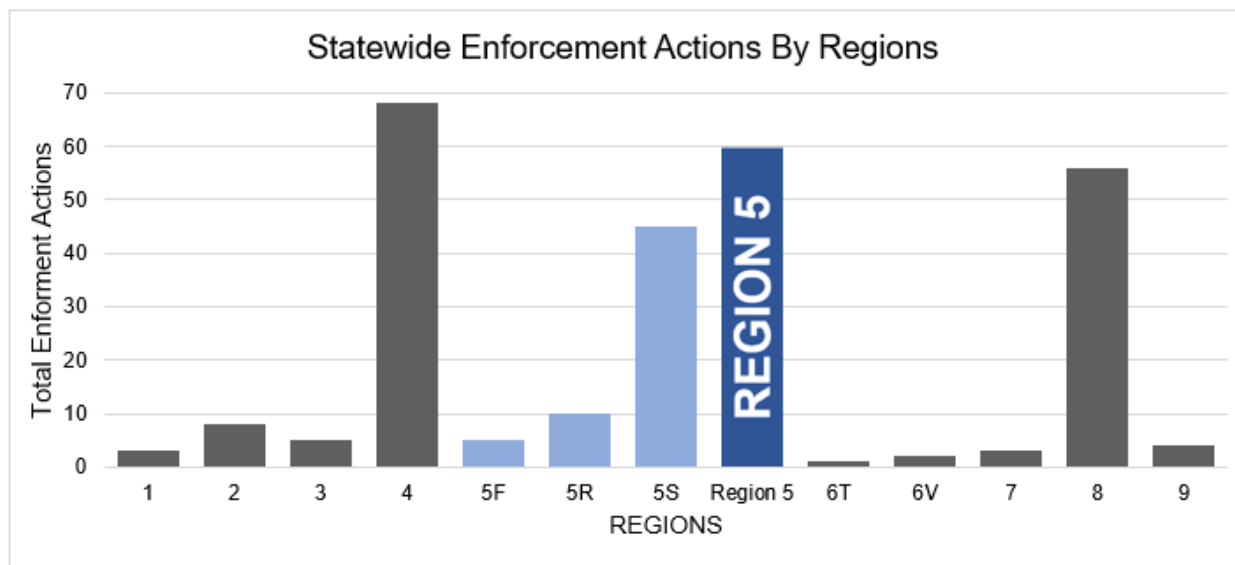


Figure 1: Enforcement Actions: Statewide Enforcement Actions recorded in CIWQS

In addition to the above, Enforcement Table 3 below summarizes enforcement actions recorded in GeoTracker and not in CIWQS:

ENFORCEMENT TABLE 3 - REGION 5 ENFORCEMENT ACTIONS IN GEOTRACKER (1 MARCH 2020 THROUGH 15 APRIL 2020)

| Office | 13267 Order | CAO | NOV | VER | Total |
|-----------------|-------------|----------|----------|----------|-----------|
| 5F | 0 | 0 | 4 | 0 | 4 |
| 5R | 2 | 0 | 0 | 0 | 2 |
| 5S | 0 | 1 | 2 | 5 | 8 |
| Total R5 | 2 | 1 | 6 | 5 | 14 |

Finally, the Board’s Irrigated Lands Regulatory Program (ILRP) does not upload enforcement actions into either the CIWQS or GeoTracker databases. For the period between 1 March 2020 through 15 April 2020, there were no enforcement actions issued by the ILRP.

SANITARY SEWER OVERFLOWS (SSOS) AND COMPLAINTS

Statewide General Waste Discharge Requirements for Sanitary Sewer Systems (SSS General Order) 2006-003-DWQ requires enrollees to submit SSO technical report for any Category 1 SSO in which 50,000 gallons or greater are spilled to surface waters. For the period between 1 March 2020 through 15 April 2020, there were no reported SSO incidents in which 50,000 gallons or greater spilled reached surface water.

SSO SUMMARY DATA

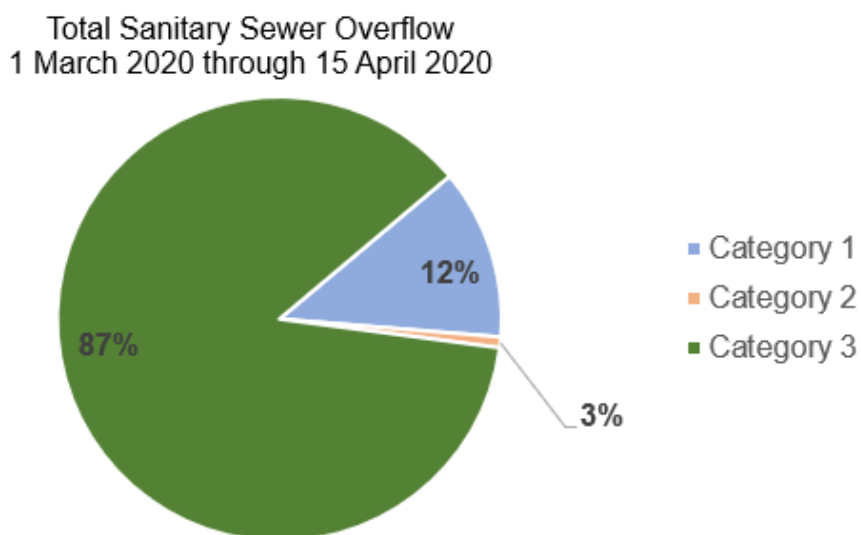


Figure 2: Central Valley Sanitary Sewer Overflow Summary (1 March 2020 through 15 April 2020)

For the reporting period between 1 March 2020 through 15 April 2020, there were 129 total SSO spills: 16 Category 1, 1 Category 2, and 112 Category 3 spills.

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 Sanitary Overflow Reduction Program](https://www.waterboards.ca.gov/water_issues/programs/sso/index.html) (https://www.waterboards.ca.gov/water_issues/programs/sso/index.html). 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 Water Board staff are responsible for responding to complaints related to water quality within the Central Valley Region as they are received. From 1 March 2020 through 15 April 2020, Central Valley Water Board staff received a total of **51 complaints** via phone calls, emails, and from the [CalEPA Complaint database](https://calepacomplaints.secure.force.com/complaints/) (<https://calepacomplaints.secure.force.com/complaints/>). To date, 46 (90%) complaints have been investigated and closed or referred to another environmental enforcement agency. Investigations for 5 complaints remain ongoing.

ADMINISTRATIVE CIVIL LIABILITY

The Water Board has the authority to impose administrative civil liabilities for a variety of violations under Water Code section 13323. All the monetary liability of an ACL penalty goes to the State Water Pollution Cleanup and Abatement Account (CAA); however, the monetary penalty may be directed toward a compliance or environmental project. These projects are as follows:

COMPLIANCE PROJECT (CP)

The Regional Water Boards may allow a small community publicly owned treatment works that has a financial hardship to spend an amount equivalent to the MMP toward a CP that is designed to address problems related to the mandatory minimum penalties (MMP) violation(s) and bring the discharger back into compliance in a timely manner.

SUPPLEMENTAL ENVIRONMENTAL PROJECT (SEP)

A settling party may offset a portion of the monetary liability of an ACL penalty by voluntarily choosing to fund SEP that enhance the beneficial uses of the waters of the State, provide a benefit to the public at large, and that, at the time they are included in an ACL action, are not otherwise required of the discharger. State provide a benefit to the public at large, and that, at the time they are included in an ACL action, are not otherwise required of the discharger.

ENHANCED COMPLIANCE ACTION (ECA)

ECAs are projects that enable a discharger to make capital or operational improvements beyond those required by law and are separate from projects designed to

merely bring a discharger into compliance. The Water Boards may approve a settlement with a discharger that includes suspension of a portion of the monetary liability of an ACL for completion of an ECA.

For the fiscal year period between 1 July 2019 through 15 April 2020, the chart below summarizes total monetary penalties that were issued by the Central Valley Water Board. A total of \$4,753,282 in monetary penalties (Liability payable to CAA, CP and SEP) were issued during this period, of which \$351,000 was allocated for CPs and \$192,000 was allocated for SEPs (see Figure 3 below).

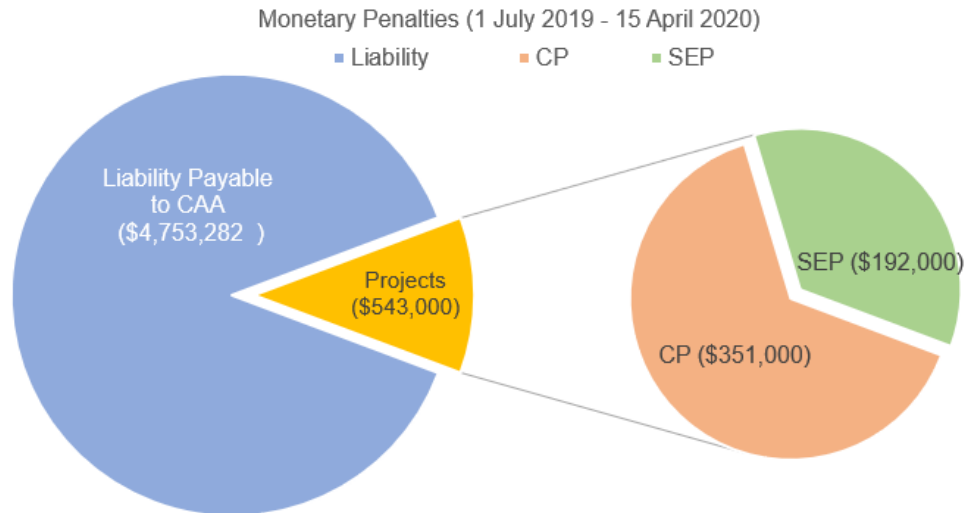


Figure 3: Region 5 – Total Monetary Penalties issued (1 July 2019 – 15 April 2020).

PERFORMANCE TARGETS

Performance measurement and reporting is an important component of a complete system of performance management and is needed to demonstrate how well programs or strategies are working. 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 [Resource Alignment Evaluation Report](https://www.waterboards.ca.gov/about_us/docs/resource_alignment_report.pdf) (https://www.waterboards.ca.gov/about_us/docs/resource_alignment_report.pdf) and was used to develop the FY 2019-2020 performance targets below is the Central Valley Water Board's Performance Measurement Summary for the 2019-2010 fiscal year. This report was produced for the 2019-2020 fiscal year.

**ENFORCEMENT TABLES 5A-5E - REGION 5 INSPECTION PERFORMANCE
MEASUREMENT SUMMARY FROM (1 JULY 2019 THROUGH 15 APRIL 2020)**

NPDES Wastewater – Table 5a.

| Programs | Original Target | Facilities Inspected | % Complete = Actuals/ Original Target | Revised Target | Total # of Inspections Performed |
|--|------------------------|-----------------------------|--|-----------------------|---|
| Major Individual Facilities Inspected | 29 | 14 | 48% | NA | 14 |
| Minor Individual Facilities Inspected | 9 | 4 | 44% | NA | 4 |
| Minor General Enrollees Facilities Inspected | 0 | 3 | -- | NA | 3 |

Waste Discharge to Land – Wastewater – Table 5b.

| Programs | Original Target | Facilities Inspected | % Complete = Actuals/ Original Target | Revised Target | Total # of Inspections Performed |
|---|------------------------|-----------------------------|--|-----------------------|---|
| Municipal Waste, Industrial Waste, and All Other Facilities - Number of Inspections | 151 | 119 | 98% | NA | 148 |

Land Disposal – Table 5c.

| Programs | Original Target | Facilities Inspected | % Complete = Actuals/ Original Target | Revised Target | Total # of Inspections Performed |
|-----------------------|------------------------|-----------------------------|--|-----------------------|---|
| Landfill Inspections | 113 | 60 | 74% | NA | 87 |
| All Other Inspections | 23 | 24 | 126% | NA | 29 |

NPDES Storm Water – Table 5d.

| Programs | Original Target | Facilities Inspected | % Complete = Actuals/ Original Target | Revised Target | Total # of Inspections Performed |
|-------------------------------------|------------------------|-----------------------------|--|-----------------------|---|
| Stormwater Construction Inspections | 385 | 305 | 92% | NA | 356 |
| Stormwater Industrial Inspections | 195 | 181 | 96% | NA | 188 |
| Stormwater Municipal Inspections | 0 | 17 | NA | NA | 22 |

Other Programs – Table 5e.

| Programs | Original Target | Facilities Inspected | % Complete = Actuals/ Original Target | Revised Target | Total # of Inspections Performed |
|--------------------------------------|------------------------|-----------------------------|--|-----------------------|---|
| Forest Activities Inspections | 166 | 142 | 90% | NA | 150 |
| Confined Animal Facility Inspections | 275 | 239 | 95% | NA | 263 |

ENFORCEMENT TABLES 6A-6D - REGION 5 PERMIT PERFORMANCE MEASUREMENT SUMMARY (1 JULY 2019 THROUGH 15 APRIL 2020)

NPDES Wastewater – Table 6a.

| Programs | Original Target | Actuals: Permits or Issued | % Complete = Actuals/ Original Target | Revised Target | Total # of Permits Issued |
|---|------------------------|-----------------------------------|--|-----------------------|----------------------------------|
| Major Individual Permits Issued, Revised, and Renewed | 9 | 4 | 44% | NA | 4 |

| Programs | Original Target | Actuals: Permits or Issued | % Complete = Actuals/ Original Target | Revised Target | Total # of Permits Issued |
|---|-----------------|----------------------------|---------------------------------------|----------------|---------------------------|
| Minor Individual Permits Issued, Revised, and Renewed | 6 | 3 | 50% | NA | 3 |

Waste Discharge to Land – Wastewater – Table 6b.

| Programs | Original Target | Actuals: Permits or Issued | % Complete = Actuals/ Original Target | Revised Target | Total # of Inspections Performed |
|--|-----------------|----------------------------|---------------------------------------|----------------|----------------------------------|
| Municipal Waste, Industrial Waste, and All Other Facilities - Permits Past Review Date Updated | 23 | 71 | 309% | NA | 71 |

Land Disposal – Table 6c.

| Programs | Original Target | Actuals: Permits or Facilities Inspected | % Complete = Actuals/ Original Target | Revised Target | Total # of Inspections Performed |
|--|-----------------|--|---------------------------------------|----------------|----------------------------------|
| Landfills Permits Issued, Revised, and Renewed | 13 | 4 | 31% | NA | 4 |
| All Other Permits Issued, Revised, and Renewed | 2 | 0 | 0% | NA | 0 |

Clean Up – Table 6d.

| Programs | Original Target | Actuals: Permits or Issued | % Complete = Actuals/Original Target | Revised Target | Total # of Permits Issued |
|---------------------------------------|------------------------|-----------------------------------|---|-----------------------|----------------------------------|
| New DoD Sites into Active Remediation | 6 | 6 | 100% | NA | NA |
| New SCP Sites into Active Remediation | 50 | 22 | 44% | NA | NA |
| Cleanup Program Sites Closed | 60 | 44 | 73% | NA | NA |
| New UST Sites into Active Remediation | 25 | 17 | 68% | NA | NA |
| Underground Storage Tank Sites Closed | 68 | 60 | 88% | NA | NA |

DELTA ACTIVITIES

DELTA MERCURY CONTROL PROGRAM

The Delta Mercury Control Program and associated Methylmercury TMDL (DMCP) requires entities responsible for discharging methylmercury (MeHg) in the Delta to conduct source control studies and evaluate and develop MeHg management methods. The DMCP requires the studies to be reviewed by an independent scientific peer review panel (Review Panel). This is being coordinated by the Delta Science Program (DSP). Seven control study reports investigating MeHg management in municipal wastewater and urban stormwater runoff discharges have been completed and evaluated by the Review Panel. [The Review Panel's report](http://www.deltacouncil.ca.gov/pdf/science-program/2019-08-22-delta-methylmercury-review-part-1.pdf) assessing the seven control study reports on municipal wastewater and urban stormwater runoff discharges can be viewed here: (<http://www.deltacouncil.ca.gov/pdf/science-program/2019-08-22-delta-methylmercury-review-part-1.pdf>).

Board staff met with dischargers to discuss the control study reports, requested clarification information, and are in the process of issuing letters of compliance with the DMCP.

A second Review Panel will review the open water modeling and tidal wetlands control study reports in Summer 2020 and submit a report on those studies in Fall 2020. Board staff will use information from these studies and recommendations from the Review Panel to consider revisions to the DMCP. Additionally, Board staff received notification that the open water modeling control study will be delayed partially due to COVID-19 staff leave. Lauren Smitherman and Jennifer Fuller met with the Delta Science Program

on 4 May 2020 to discuss the status of the second Review Panel given this delay and other potential COVID-related delays.

A one-day workshop summarizing control study findings to-date and potential impacts to the DMCP is being planned for Summer 2020. Dischargers from the control studies will assist in planning and coordinating the meeting. Due to COVID-19 precautions, this workshop is currently planned to be hosted remotely by Board staff.

Board staff initiated the CEQA process by mailing AB 52 letters to applicable tribes on the Native American Heritage Commission List in December 2019. No consultation requests were received during the consultation period. Board staff anticipate continuing the CEQA process by planning and hosting CEQA scoping meetings in Summer 2020.

On 30 April 2020, Jennifer Fuller and Lauren Smitherman attended a monthly multi-agency coordination meeting for the Yolo Bypass Salmonid Habitat Restoration and Fish Passage – Big Notch Project. Board staff will continue their involvement and address mitigation measures needed and coordinate with the 401 Certification Program.

DELTA MERCURY EXPOSURE REDUCTION PROGRAM

The Delta Mercury Exposure Reduction Program (MERP) is a collaborative effort of the Central Valley Water Board, the California Department of Water Resources (DWR), 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 Sacramento – San Joaquin Delta.

Delta Conservancy and Board staff continue to remediate priority program materials to be ADA compliant. Once the materials meet accessibility standards, they will be re-posted on the MERP website. In coordination with DWR and OEHHA, Board staff finalized a low-literacy brochure design to improve fish consumption advisory interpretation by members of the public with limited English proficiency. DWR printed 10,000 copies of the brochure and delivered them to the Central Valley Water Board office.

Delta Conservancy staff submitted the draft final report for the contract allocating Cleanup and Abatement funding to MERP that will terminate in June 2020. Though additional funding has not been identified to continue program implementation, DWR committed to continue providing an annual printing and graphic services budget for MERP materials. Board staff will continue to provide online and printed MERP informational materials to community organizations, Tribes, and entities that serve communities at risk for high mercury exposure by eating fish from the Delta. Additionally, Board staff will continue to meet annually to coordinate with MERP partners on any new information relevant to mercury exposure reduction.

DELTA REGIONAL MONITORING PROGRAM (DELTA RMP)

On 3 April 2020, the Delta RMP Technical Advisory Committee (TAC) met to coordinate draft report reviews for two nutrients studies and the draft quality assurance program plan for the contaminants of emerging concern monitoring. The TAC also discussed contingency planning for projected monitoring delays due to the COVID-19 pandemic.

The Delta RMP Coordinating Committee met via teleconference on 13 April 2020 to discuss contingency plans for ongoing delays to water quality monitoring due to Covid-19 shelter-in-place orders. The committee also provided feedback on a draft process to finalize quality assurance program plan revisions and updates necessary for new water quality monitoring projects. This committee met again on 8 May 2020 to plan the 26 May 2020 Steering Committee agenda.

The Chlorophyll-a Intercalibration workgroup met on 30 April 2020 to discuss the draft report for a laboratory intercomparison project. The report presents a statistical analysis of test results from nine analytical labs that serve 13 groups utilizing chlorophyll-a sensors to monitor water quality in the Delta. Board staff and others submitted comments and edits on the draft report.

On 4 May and 18 May 2020, the Governance Subcommittee met to discuss options for a new governance structure for the RMP to address outstanding programmatic issues. The Governance Subcommittee is working closely with the Consensus and Collaboration Program (CCP) at Sacramento State to develop a proposal and recommendation for the Steering Committee (SC) to discuss and approve at a future meeting.

On 4 March and 4 May 2020, the Nutrients Subcommittee met to discuss project plans and study development for FY20/21, focused on monitoring of harmful algal blooms (HABs) and cyanotoxins. The Nutrients Subcommittee heard presentations regarding HAB and cyanotoxin monitoring methods and Delta HABs historic data and discussed information needs and management questions to be addressed by the study. The Nutrients Subcommittee participants generally agreed that monitoring for cyanotoxin status and trends is a good role for the Delta RMP. Board Staff, USGS, and DWR will develop a full proposal that leverages current USGS field work. At the 4 May 2020 meeting, the Nutrients Subcommittee also discussed a draft report of high-frequency nutrient and other data collected by USGS in 2018.

The Delta RMP Steering Committee (SC) held a teleconference on 26 May 2020 to discuss program planning and workplans for FY2020/2021.

DELTA NUTRIENT RESEARCH PLAN

The Delta Nutrient Research Plan (approved by the Central Valley Water Board in August 2018) identifies information gaps for assessing needs and developing water quality objectives for nutrients in the Delta. Efforts are now focused on filling the information gaps through special studies, monitoring, data evaluation, and modeling.

STATUS OF DELTA NRP IMPLEMENTATION ACTIVITIES

- Board staff are part of a team that was awarded a Proposition 1 Grant administered by Dept. Fish and Wildlife Ecosystem Restoration Program to monitor HABs and cyanotoxins in water and benthic organisms (clams, crayfish, and smaller sediment-dwelling animals) at ten locations in the Delta. Team members consist of the San Francisco Estuary Institute, Robertson-Bryan Inc, and Bend Genetics. Contracting is underway and project work could potentially start in Fall 2020.
- Computer modeling continued for nutrient movement and transformations, phytoplankton growth, hydrodynamics, and other processes in the Delta and Suisun Bay. Reports describing status of the biogeochemical and hydrodynamic components were released by the modeling team (SFEI) in December 2019. The hydrodynamics model has been validated for two water years (2011 and 2016) and is set up so that other years can be modeled with minimal additional effort. Development of the biogeochemical model for the Delta and Suisun Bay began with modeling nitrate forms and chlorophyll concentrations in low productivity conditions. Next steps are to add phytoplankton growth and loss processes, such as clam grazing, and nutrient exchanges with sediment.

STATUS OF DELTA NRP IMPLEMENTATION ACTIVITIES

SAN JOAQUIN RIVER DISSOLVED OXYGEN TMDL IMPLEMENTATION

In 2006-2007, an aeration facility was constructed on the Port of Stockton's West End Complex as part of the Stockton Deepwater Ship Channel/San Joaquin River (SDWSC/SJR) 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 14 March through 4 May 2020 there were no excursions below the dissolved oxygen water quality objective in the channel and operation of the aeration facility was not necessary.

On 14 August 2019, at the direction of the Board, the Executive Officer sent letters to three additional parties (Stockton East Water District, Friant Water Authority, and South Valley Water Association) requesting a plan to mitigate potential impacts on net oxygen demand in the DWSC, which could include participation in the voluntary funding agreement for the aeration facility. Board staff continued to correspond with these parties.

More information on the SDWSC/SJR dissolved oxygen [TMDL Control Program](#) can be viewed here:

(https://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/san_joaquin_oxygen/index.shtml)

OLD AND MIDDLE RIVERS DISSOLVED OXYGEN IMPAIRMENT

A draft white paper detailing the extent of the dissolved oxygen impairment in Old and Middle Rivers along with contributing factors to the impairment and possible Board

actions has been compiled by Board staff. The Department of Water Resources (DWR) was scheduled to submit a report detailing the temporary barriers' effects on dissolved oxygen in Old and Middle Rivers to the Central Valley Water Board in January 2020 to meet a requirement of the 401 certification. As of 5 May 2020, Board staff have not yet received the report and will be following up with DWR to establish a revised schedule and timeline.

TMDL BASIN PLANNING

PESTICIDE BASIN PLANNING/TMDLS

CENTRAL VALLEY PYRETHROIDS BASIN PLAN AMENDMENT AND TMDL

On 8 June 2017, the Board adopted a Basin Plan Amendment (BPA) which established a Control Program for Pyrethroid Pesticide Discharges throughout the Sacramento and San Joaquin River Basins, as well as Total Maximum Daily Loads (TMDLs) for pyrethroid pesticides in certain impaired water bodies. The State Water Board approved the BPA on 10 July 2018. The Office of Administrative Law (OAL) approved the BPA on 19 February 2019. On 22 April 2019, USEPA approved the BPA. The BPA, including the TMDLs, are now fully approved and effective.

Pyrethroid Management and Monitoring Plans were submitted to the Board from the City of Roseville and the Sacramento Stormwater Quality Partnership to comply with the BPA and TMDLs in April and staff are reviewing these plans.

Board staff worked with the State Water Board's Environmental Lab Accreditation Program (ELAP) and commercial laboratories on the validation and accreditation of analytical methods for analysis of pyrethroids at concentrations low enough to meet the monitoring requirements in the BPA. Board staff worked with ELAP and the Office of Information Management and Analysis staff to review validation packages for four commercial laboratories that have developed new methods. Three commercial laboratories have been approved (McCampbell Analytical, Inc., Caltest Analytical Laboratory, and Physis Environmental Laboratories).

Board staff sent an announcement to stakeholders and letters to permittees with the approved laboratories and points of contact for each. Board staff have created a new webpage that will continually be updated and can be accessed from the main [Central Valley Pyrethroid TMDL and Basin Plan Amendment Website](https://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/central_valley_pesticides/pyrethroid_tmdl_bpa/index.html)

(https://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/central_valley_pesticides/pyrethroid_tmdl_bpa/index.html).

DIAZINON AND CHLORPYRIFOS REVIEW

Board staff have completed an internal draft report reviewing diazinon and chlorpyrifos concentration data and other related information in the Central Valley Region. Preliminary results show that the improved practices and reduced uses that have followed the Board's control efforts, the Department of Pesticide Regulation's pesticide

use regulations, and other regulatory changes, have been effective at reducing diazinon and chlorpyrifos concentrations. Board staff plan on presenting these findings to the Board in 2021, following a stakeholder review of the draft report and finalization of the report.

TRIBAL BENEFICIAL USES DESIGNATION

On 2 May 2017 beneficial use designations relating to California Native American tribes were established by the State Water Board through Resolution 2017-0027, which adopted Part 2 of the Water Quality Control Plan for Inland Surface Waters, Enclosed Bays, and Estuaries of California—Tribal and Subsistence Fishing Beneficial Uses and Mercury Provisions. The new beneficial use definitions are Tribal Tradition and Culture (CUL), and Tribal Subsistence Fishing (T-SUB) (“Tribal Beneficial Uses”). In addition, the State Water Board also defined a beneficial use for Subsistence Fishing (SUB) unrelated to California Native American Tribes. The SUB, T-SUB, and Commercial and Sportfishing (COMM) beneficial uses relate to the risks to human health from the consumption of fish or shellfish. In addition, the definition for CUL also includes consumption of aquatic resources to support cultural, spiritual, ceremonial, and traditional rights.

Through the 2018 Triennial Review process, several tribes in the Central Valley Region requested that the Board designate Tribal Beneficial Uses (TBUs). On 6 December 2018, the Central Valley Water Board adopted Resolution R5-2018-0079 approving the 2018 Triennial Review with TBUs as a priority project.

In May 2019, Board staff initiated a Tribal Beneficial Uses Working Group with the other Regions and State Water Board Divisions to facilitate communication on this effort. The TBUs working group was established so that representatives from the nine Regional Water Boards could communicate and collaborate on TBUs and develop a process to add TBUs to the respective Basin Plans. To date, Board staff have hosted TBU working group meetings in August 2019, November 2019, and February 2020. In the February meeting Colorado River Water Board and San Diego Water Board staff presented on recent meetings in their respective Regions. Additionally, State Water Board staff presented on the protocols and legal requirements associated with developing a Basin Plan Amendment to designate waterbodies for TBUs.

On 25 March 2020 Board staff met with the new Director of the Office of Public Participation (OPP), Adriana Renteria, to provide her an update on the TBU Working Group. Topics included what has been accomplished to date and what the future of the Working Group should be. Ms. Renteria pledged OPP’s support for the Working Group.

Board staff presented on the progress of the TBU Working Group during the Water Boards’ 29 April 2020 Basin Planning Roundtable meeting. General feedback from that presentation was that the Working Group has improved staff understanding of TBUs and the process to integrate into the Basin Plans. Board staff will cede leadership of the group to another Region—or rotating chair—beginning in August 2020.

Board staff have also begun developing a process for designation of TBUs and soliciting input from California Native American Tribes in the Central Valley.

PIT RIVER EVALUATION

The 2018 Triennial Review identified Reassessment of Beneficial Uses and Water Quality Objectives in Specific Reaches of the Pit River as a priority project. To support this effort, the Modoc Resource Conservation District (MRCD) plans to gather available temperature-related water quality data and collect additional data where data gaps exist. On 9 October 2019 Central Valley Water Board staff met with MRCD representatives to discuss the Pit River reassessment project and tour the upper Pit River watershed. The following day staff met with the Environmental Director for the Pit River Tribe to provide an update on the meeting with representatives from MRCD and to provide a general timeline of future actions.

On 27 January 2020 Board staff facilitated a meeting between members of the MRCD and members of the Pit River Tribe. Board staff provided a brief presentation on the history of the temperature criteria ascribed to the Pit River and the stakeholders and Pit River Tribe members presented their opinions on the beneficial uses of the Pit River. It was agreed that the MRCD and Pit River Tribe members would continue discussions on this topic by holding future meeting. Board staff will continue to facilitate meetings and discussions, as needed or requested.

BIOSTIMULATORY BIOINTEGRITY POLICY DEVELOPMENT

The State Water Board is developing a statewide plan for control of biostimulatory substances as an amendment to the Water Quality Control Plan for Inland Surface Water, Enclosed Bays and Estuaries of California (ISWEBE Plan). The Amendment is expected to include numeric or narrative water quality objective(s) for biostimulatory substances and control options for point and non-point sources. If in narrative form, the objective would be accompanied by translators for biostimulatory substances and eutrophic conditions (e.g., total nitrogen, total phosphorous, and chlorophyll concentrations). The Amendment development is focused first on wadeable streams, followed by lakes and reservoirs and then lakes and estuaries. State Water Board staff anticipate releasing a draft Amendment for wadeable streams in 2020. There have been no meetings or document releases for this project in 2020.

REGIONAL TEMPERATURE CRITERIA DEVELOPMENT

The 2018 Triennial Review identified Temperature Criteria and Objectives as a priority project to develop regionally applicable temperature criteria for the Central Valley. The report completed in FY18/19 that assessed the EPA Region 10 temperature criteria applicability for the Central Valley recommended the development of regionally based criteria. Board staff are coordinating with Division of Water Rights on next steps to identify studies needed for developing a long-term approach to address unresolved temperature criteria questions and uncertainties. Board staff are participating in a three-part discussion with Water Rights staff and various stakeholders, including state and federal agencies and academic researchers, on temperature studies. The first meeting was held on 30 April 2020 and focused on work conducted by the University of California, Davis and the second meeting was held on 8 May 2020 and focused on studies conducted by the University of California, Santa Cruz.

SALINITY AND CV-SALTS

CENTRAL VALLEY SALINITY ALTERNATIVES FOR LONG-TERM SUSTAINABILITY (CV-SALTS)

Final copies of the [SNMP](#) and related policy documents can be found at:

(https://www.waterboards.ca.gov/centralvalley/water_issues/salinity/)

The Basin Plan Amendment (Salt and Nitrate Control Program BPA) with supporting Staff Report and Substitute Environmental Documentation was adopted on 31 May 2018. [The Final \(Resolution R5-2018-0034\) with Adopted Basin Plan Amendment language](#) can be found at the following location:

(https://www.waterboards.ca.gov/centralvalley/water_issues/salinity/#saltnitrate_cp_bpa).

CV-SALTS MEETING PARTICIPATION

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 Board staff to begin basin plan amendment work to implement the SNMP as appropriate was adopted at a 9 March 2017 hearing. Final copies of the [SNMP](#) and related policy documents can be found here:

(https://www.waterboards.ca.gov/centralvalley/water_issues/salinity/salt_nitrate_mgtplan).

The Salt and Nitrate Control Program (SNCP) Basin Plan Amendment with supporting Staff Report and Substitute Environmental Documentation was adopted on 31 May 2018 (Resolution R5-2018-0034). [The Adoption Resolution with the final Staff Report and Basin Plan Amendment language](#) can be found here:

(https://www.waterboards.ca.gov/centralvalley/water_issues/salinity/#saltnitrate_cp_bpa).

On 16 October 2019, the State Water Board adopted a resolution approving the SNCP amendments, along with a directive for the Central Valley Water Board to adopt targeted revisions to the amendments within a year of their approval by the Office of Administrative Law (OAL). [Details on the targeted revisions](#) can be found in the State Board Resolution, which will be posted upon certification at:

(https://www.waterboards.ca.gov/board_decisions/adopted_orders/resolutions/res19.html).

The amendments were submitted to OAL on 3 December 2019 and approved on 15 January 2020. The Salt and Nitrate Program was finalized when the Notice of Decision was filed with the Secretary of Natural Resources Agency on 17 January 2020, except for the portions subject to the Clean Water Act, which will require approval by the USEPA.

Postcards notifying impacted permittees of the new regulations were mailed out in January 2020. The mailing of Notice to Comply letters, originally scheduled to be begin in late March 2020, has been postponed for 60 days due to the impact of COVID-19 requirements. The Nitrate Control Program Priority 1 Notice to Comply letters are now scheduled to be sent out at the end of May 2020.

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 was held on 10 July 2018. State Board members deferred their decision on the amendments to a future date. Central Valley Water Board staff are continuing to work with State Board staff to address questions and concerns that were raised during the 10 July hearing and is developing an updated project Work Plan for the fiscal year 2020/21. More information on the [Municipal and Domestic Supply \(MUN\) Beneficial Use Project](#) can be found at:

(https://www.waterboards.ca.gov/centralvalley/water_issues/salinity/mun_beneficial_use/).

UNITED STATES BUREAU OF RECLAMATION (USBR)—MANAGEMENT AGENCY AGREEMENT (MAA)

MAA meetings with Board staff and representatives for USBR, the Westside San Joaquin River Watershed Coalition, and the Grassland Water District are held quarterly. The next MAA meeting to discuss ongoing activities supporting the San Joaquin River Real Time Management Program activities (RTMP) is scheduled for 15 June 2020. A meeting for the RTMP stakeholder group is scheduled for 8 June 2020. USBR's 2019 Annual Report was submitted to the Central Valley Water Board in December 2019. USBR will be posting a draft of their 2020/21 Work Plan this summer. [USBR's](#) documents are available at: (<https://www.usbr.gov/mp/ptms/>).

SURFACE WATER AMBIENT MONITORING PROGRAM (SWAMP)

LOWER AMERICAN RIVER BENEFICIAL USE ASSESSMENT

The Lower American River has been listed as impaired due to indicator bacteria on California's 303(d) List. To keep the public and local agency partners informed about current conditions, SWAMP has been collecting weekly E. coli samples in the Lower American River and Steelhead Creek and posting results to an online map. Monitoring was put on hold starting in March 2020 in response to COVID-19 requirements. However, E. coli monitoring at key sites along the Lower American River will restart in mid-May 2020 in conjunction with a coordinated stakeholder effort to collect DNA source identification samples. DNA monitoring was previously conducted from August through September 2019 at ten river sites and two urban runoff locations in the Lower American River. The bird marker was the most frequently detected marker (14/24 samples) and the human marker was detected in a single sample. This second phase of

the study will provide additional DNA samples to further characterize the contributing sources of E. coli to the river.

SUMMER 2019 RECREATIONAL BENEFICIAL USE ASSESSMENTS

Each summer since 2007, the Central Valley Water Board has conducted Recreational Beneficial Use Assessments in popular recreational areas. Recreational beneficial uses are assessed using E. coli as an indicator of fecal pollution. Board staff are currently developing monitoring plans for the 2020 season, which will include popular recreational spots in and around the Delta, the upper San Joaquin River and the lower Kings River watersheds. Monitoring is scheduled to begin in June 2020.

[Online maps and more information on these SWAMP projects](#) are available at:

(https://www.waterboards.ca.gov/centralvalley/water_issues/swamp/r5_activities/2019_r_bua/).

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (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 Tables 1 and 2, below, summarize the Notices of Applicability that were issued to date for Fiscal Year 2019/2020 (1 July 2019 and 30 April 2020) for the General Waste Discharge Requirements/NPDES Permit for Limited Threat Discharges to Surface Water (Limited Threat General Order) and Waste Discharge Requirements for Municipal Waste Dischargers that Meet Objectives/Criteria at the Point of Discharge to Surface Water (Municipal General Order).

NPDES PERMIT TABLE 1 –LIMITED THREAT DISCHARGES TO SURFACE WATERS

| Facility | General Order Permit Number |
|---|------------------------------------|
| Combie Reservoir Sediment and Mercury Removal Project (amended NOA) | R5-2016-0076-019 |
| Sacramento Deep Water Ship Channel (amended NOA) | R5-2016-0076-036 |
| Blue Oak Terrace Mutual Water Company Well #2 Project | R5-2016-0076-056 |
| Westlake Community Construction Dewatering Project | R5-2016-0076-057 |

| Facility | General Order Permit Number |
|---|------------------------------------|
| McClellan AFB Groundwater Treatment System | R5-2016-0076-059 |
| McLaughlin Mine Treatment System | R5-2016-0076-031 |
| Sacramento County Water Agency, Northgate 880 and Metro Air Park Drinking Water Systems Maintenance | R5-2016-0076-058 |

NPDES PERMIT TABLE 2 - MUNICIPAL GENERAL ORDERS

| Facility | County | General Order Permit Number |
|--|------------------|------------------------------------|
| El Dorado Irrigation District, Deer Creek Wastewater Treatment Plant | El Dorado County | R5-2017-0085-006 |

DAIRIES/CONFINED ANIMAL FACILITIES

CONFINED ANIMAL FACILITY INSPECTIONS

The Confined Animal Facilities Program's FY2019/2020 performance target for facility inspections is 275. Staff have completed 264 inspections to date and anticipates meeting the performance target.

DAIRY ENFORCEMENT

The Central Valley Water Board's Prosecution Team reached a \$57,024 settlement with a Ceres dairy that violated waste discharge requirements by dumping dairy wastewater onto cropland last winter. The violations occurred in February of 2019. Manure slurry and wastewater had been dumped onto a portion of the dairy cropland, inundating the winter crop. The volume of dairy wastewater dumped was later determined to be 216,000 gallons. The \$57,024 penalty will be deposited into the State Water Board's Cleanup and Abatement Account. That account provides grants for the cleanup and abatement of pollution when no viable responsible parties are available to undertake the cleanup work.

OIL FIELDS

WASTEWATER SURFACE PONDS

Staff continues to work on enrolling oil field operators under the Oil Field General Orders for Discharges to Land, and to evaluate closure plans for produced wastewater ponds. On 25 March 2020, Central Valley Water Board staff (Staff) notified Fourstar Resources, LLC in the McDonald Anticline Oil Field that their NOI is incomplete, which

includes a memorandum identifying deficiencies and items that need to be included in a revised application.

On 25 March 2020, Staff approved a solid waste management plan (SWMP) for Valley Water Management Company's produced water disposal facilities. The SWMP outlines the storage and transport of solid waste from Valley Water Management Company facilities to a permitted third-party disposal facility.

On 23 March 2020, Staff responded to a letter by Chevron U.S.A., Inc., that summarizes closure procedure related to five ponds in the Coalinga Oil Field. Staff's response concurred with the summary and included clarifying items related to the closure of the five ponds.

On 26 March 2020, Staff responded to a letter from California Resources Elk Hills, LLC that requested the closure of six ponds in the Elk Hills Oil Field. Staff's response concurs with the findings outlined in the closure plan and has updated the status of the six ponds to closed.

On 15 April 2020, Staff approved a request from Sentinel Peak Resources to extend the deadline to comply with an approved closure work plan. The proposed deadline extension is based on the operators concern with complying with the COVID-19 recommendations and requirements.

Staff responded to a request by California Resources Corporation to update the pond spreadsheet due to new evidence presented to the Central Valley Water Board. Based on the history described by California Resources Corporation and verified by Staff, the surface impoundment in the Kern Front Oil Field has been removed from the pond list since it was historically used for secondary containment, not for produced wastewater disposal.

Staff also approved a work plan for evaluating the potential presence of well stimulation fluids in produced wastewater discharged into the CMO, Inc., ponds on the Mitchel Lease in the Chico Martinez Oil Field, and a CMO, Inc., request to delay installation of monitoring wells in their Chico Martinez due to COVID 19 shelter-in-place restrictions.

SPILL RESPONSE

Central Valley Water Board staff responds to oil field spills and upsets reported to the Office of Emergency Services (OES). Central Valley Water Board staff were notified of 13 events in March and April.

Chevron USA, Inc., (Chevron) reported numerous updates to an OES incident report regarding a reactivation of a surface expression (seep) that first discharged on 8 November 2019. The first report of the seep reactivation was made on 28 February and discharge volume updates have been reported regularly thereafter. Staff inspected the seep site on 20 March and observed active discharge of what appeared to be oil and wastewater from the seep location. Staff also observed that the discharged fluids were contained within an area surrounded by soil berms and covered with netting. Chevron staff told Staff that the discharged fluids are recovered daily using vacuum trucks. As of

4 May, approximately 1,877 barrels (bbl(s)) of crude oil (78,834 gallon(s) (gal(s)) and 13,766 bbls (578,172 gals) of wastewater were recovered from the containment.

A spill of crude oil and oil field produced wastewater occurred on the Section 1Y Lease operated by Chevron in the Cymric Oil Field on 19 March. According to OES, a surface expression discharged an approximate total volume of 20 bbls (840 gals) of crude oil and produced wastewater where a dry stream bed was affected. On 19 March, Chevron staff told Central Valley Water Board staff that field crews were currently working to build soil berms around the seep location to contain the discharged fluids. Chevron staff added that staff of the California Geologic Energy Management Division (CalGEM) and California Department of Fish and Wildlife – Office of Spill Prevention and Response (CDFW-OSPR) were inspecting the spill site at that time. Central Valley Water Board staff inspected the spill site on 20 March and observed in-progress cleanup activities in the affected areas. On 22 April Chevron staff told Central Valley Water Board staff that cleanup of the affected areas was not complete yet. On 4 May, CDFW-OSPR staff told Central Valley Water Board staff that CDFW-OSPR conducted a post-cleanup inspection of the spill site and signed-off on the site cleanup. CDFW-OSPR staff provided post-cleanup photographs of the affected areas to Central Valley Water Board staff.

A spill of crude oil occurred on the Section 30 Lease operated by Aera Energy, LLC. (Aera), in the Coalinga Oil Field on 5 April. According to OES, a pipe failure caused the discharge of approximately 2 to 3 bbls (84 to 126 gals) of crude oil into a dry creek bed. On 7 April Aera staff told Central Valley Water Board staff that the discharged oil affected approximately 600 feet of the affected stream bed and that the spill site received rain after the occurrence of the spill. Central Valley Water Board staff inspected the spill site on 8 April and documented the conditions of the affected stream bed and observed cleanup operations in progress. On 8 April, staff observed a heavily vegetated section of an ephemeral stream bed affected by oil with the majority oil-affected areas covered with plastic sheeting. Aera staff is to notify Central Valley Water Board staff once all cleanup activities are complete and a post-cleanup inspection by CDFW-OSPR is scheduled.

A spill of crude oil occurred on the Rasmussen Lease operated by Chevron in the Kern River Oil Field on 8 April. According to OES, corrosion on a pipe caused the discharge of approximately 0.5 bbls (21 gals) of crude oil into a dry stream bed. On 9 April, Chevron staff told Central Valley Water Board staff that the discharged oil affected the main dry stream bed that runs from the top of the Kern River Oil Field and crosses China Grade Loop Road leading to several storm basins upstream of the Beardsley Canal. Chevron staff added that booms were deployed in the affected stream bed to contain oil on the surface of rainwater and that no oil affected the storm basins or the Beardsley Canal. Chevron staff also said that no cleanup work will be conducted at the time because of the unsafe rainy and slippery conditions in the affected stream bed. Chevron staff stated that CDFW-OSPR staff inspected the affected areas. Chevron staff provided Central Valley Water Board staff with photographs of the spill site showing oil on the surface of accumulated rainwater in the affected stream bed and the deployed booms. On 24 April, Chevron staff told Central Valley Water Board staff that cleanup of the affected areas was complete and staff of CDFW-OSPR conducted a post-cleanup inspection on 23 April and signed-off on the site cleanup.

A spill of crude oil and oil field produced wastewater occurred on a facility referenced as 315A-19 and operated by California Resources Corporation (CRC) in the Elk Hills Oil Field on 14 April. According to OES, a flow line leak caused the discharge of approximately 4 bbls (168 gals) of crude oil and an unknown amount of produced wastewater into a dry stream bed. CRC staff told Central Valley Water Board staff on 15 April that the discharge had been stopped and cleanup crews were conducting cleanup of the affected areas. CRC staff added that staff of CDFW-OSPR has inspected the spill site. Central Valley Water Board staff inspected the spill site on 16 April and observed the source of discharge, affected areas within the stream bed, and what appeared to be the last extent of oil effect within the stream bed. Central Valley Water Board staff also observed crews conducting cleanup by shoveling oil-affected soil into plastic bags temporarily staged onsite. On 24 April, CDFW-OSPR staff conducted a post-cleanup inspection of the affected areas and signed-off on the site cleanup.

A spill of crude oil and oil field produced wastewater occurred on the Noble Lease operated by Crimson Resources Management (Crimson) in the Helm Oil Field on 18 April. According to OES, equipment failure caused the discharge of approximately 43 bbls (1,806 gals) of crude oil and 30 bbls (1,260 gals) of wastewater from a tank to a secondary containment. On 20 April Crimson staff told Central Valley Water Board staff that no dry stream beds or natural drainage courses have been affected by the spill. Crimson staff added that cleanup of the affected areas was in-progress. Central Valley Water Board staff requested Crimson staff to provide photographs of the areas affected by the spill and Crimson staff agreed. On 20 April, CalGEM issued a notice of violation to Crimson for this incident prescribing several requirements including the completion of environmental cleanup of the spill site and providing a 24-hour notice to CalGEM to conduct a final inspection.

A discharge of crude oil and mud occurred on the McKittrick Front Lease operated by Sentinel Peak Resources California (Sentinel), in the McKittrick Oil Field on 21 April. According to OES, a surface expression caused the discharge of approximately 0.5 bbls (21 gals) of oil and 50 bbls (2,100 gals) of mud to land. On 21 April, Sentinel staff told Central Valley Water Board staff that the discharged fluids were fully contained, and no dry stream beds or natural drainage courses have been affected. Sentinel staff added that CalGEM staff inspected the surface expression site. An incident update made to OES on 2 May reflected total discharged amounts of 10.5 bbls (441 gals) of crude oil, 140 bbls (5,880 gals) of produced wastewater, and 315 bbls (13,230 gals) of mud.

A spill of crude oil and oil field produced wastewater occurred on the Well #126 Junction Facility operated by Chevron in the Kern River Oil Field on 1 March. According to OES, a stuffing box leak caused the discharge of approximately 2.5 bbls (105 gals) of crude oil and 400 bbls (16,800 gals) of produced wastewater to land. On 2 March Chevron staff told Central Valley Water Board staff that cleanup of the affected areas was in progress and no dry stream beds or natural drainage courses were affected. On 27 April, Chevron staff told Central Valley Water Board that cleanup of the affected areas was completed on 6 March. Chevron staff added that staff of CalGEM performed a post-cleanup inspection of the affected areas.

Forefront Emergency Management provided an incident update to OES regarding a spill of crude oil that occurred on the 13D Oil Cleaning Plant operated by Chevron in the

Coalinga Oil Field on 26 February. According to OES, a pump failure caused the discharge of approximately 30 bbls into a secondary containment. On 2 March, Chevron staff told Central Valley Water Board staff that cleanup of the affected area is complete. Chevron staff added that no dry stream beds or natural drainage courses have been affected by the spill. Chevron staff provided Central Valley Water Board staff with photographs of the spill site.

A spill of crude oil and oil field produced wastewater occurred on the Section 8Z Lease operated by Chevron in the Cymric Oil Field on 8 March. According to OES, a flow line leak caused the discharge of approximately 0.53 bbls (22.26 gals) of crude oil and 0.53 bbls (22.26 gals) of produced wastewater into a dry stream bed. A 10 March incident update to OES states that after further investigation, it was found that the spill has not affected a stream bed, rather, some wildlife was affected. On 27 April, Chevron staff told Central Valley Water Board staff that cleanup of the affected areas was complete. Chevron staff added that CDFW-OSPR conducted a post-cleanup inspection of the spill site and signed-off on the site cleanup.

A spill of crude oil and oil field produced wastewater occurred on a facility operated by Berry Petroleum Company (Berry), in the Midway Sunset Oil Field on 4 March. According to OES, a pipeline failure caused the discharge of approximately 16 bbls (672 gals) of crude oil and 10 bbls (420 gals) of produced wastewater to land.

A historical spill of crude oil and oil field produced wastewater occurred on the Federal Lease operated by Mitchell Oil Company (Mitchell), in the Poso Creek Oil Field on 9 July 2019. According to a 6 March OES report, a “problem with a tank” caused the discharge of approximately 30 bbls (1,260 gals) of oil and 30 bbls (1,260 gals) produced wastewater to land. The OES report also stated that the source tank was taken out of service. On 9 March Mitchell staff confirmed to Central Valley Water Board staff that the spill is historical and stated that cleanup of the affected areas was completed. Mitchell staff added that staff of the Bureau of Land Management (BLM) environmental team conducted a post-cleanup inspection of the spill site and signed-off on the site cleanup.

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

OIL FIELD FOOD SAFETY EXPERT PANEL

During March of 2020, Staff hosted two calls of the Food Safety Expert Panel (Panel). The Panel has been presented with the results of the Task 1-3 Reports written by GSI Environmental, Inc. (GSI). GSI has been tasked with completing three studies in order to evaluate the practice of using oil field produced water to irrigate food crops. The recommendations come from the Panel’s review of the results of GSI’s work. The Panel recommendations will suggest further Food Safety related studies as well as some potential changes to current monitoring practices. The Panel working on final recommendation language. The Panel recommendations, once finalized, will be presented in the White Paper being drafted by Staff.

On 16 April 2020, Staff hosted a virtual meeting of the Central Valley Water Board. During the meeting, Staff and the Board’s Scientific Advisor presented an update of the

Food Safety project. The meeting was webcast and open to the public for questions and comments.

UIC PROGRAM

During the period from 20 March 2020 to 1 May 2020, Staff of the Underground Injection Control Unit (UIC) performed the following activities:

AQUIFER EXEMPTIONS

Midway-Sunset Tulare Aquifer Exemption – Staff continues to provide comments to the State Water Board regarding the proposed aquifer exemption boundaries.

Kern River Aquifer Exemption – Staff continues to work with the staff of State Water Board and its management to prepare limitations and conditions to be included in a draft preliminary concurrence letter.

Round Mountain South Aquifer Exemption – Staff met with State Water Board staff and staff of the California Geologic Energy Management Division (CalGEM) to discuss CalGEM's responses to Staff's and State Water Board's questions and concerns regarding the aquifer exemption application.

Deer Creek Aquifer Exemption – Staff met with State Water Board and CalGEM to discuss the deliverables still needed for the aquifer exemption. Staff provided State Board with a dataset of potential high capacity water supply wells that may be located within or near the aquifer exemption boundaries for CalGEM's evaluation as part of the aquifer exemption package.

Mt. Poso Dorsey Area Aquifer Exemption – Staff met with State Water Board and CalGEM to discuss an upcoming aquifer exemption application for the Dorsey area in the Mt. Poso Oil Field.

UIC PROJECT REVIEWS

Staff are reviewing information relating to Sentinel Peak's request to conduct two water disposal projects located in the South Belridge and McKittrick Oil Fields. These two water disposal projects are being proposed so that the Operator can stop disposing of produced water into surface impoundments.

Staff are also reviewing project information relating to Aera Energy's request to conduct a water disposal project located in the South Belridge Oil Field. This water disposal project is being proposed as part of its plan to move its current water disposal activities from the east side to the west side of the South Belridge Oil Field.

Staff have reviewed an evaluation regarding groundwater quality for a newly exempted area as part of a waterflood project in the Round Mountain Oil Field. Staff had sent CalGEM a no-objection-with-conditions letter and memorandum regarding its review of baseline groundwater quality data concurring with the commencement of injection activities in limited areas until an evaluation could be conducted. Staff are preparing a no-objection letter regarding injection activities commencing in the areas evaluated.

Staff evaluated project information relating to an Operator's request to add a total of six infill steamflood injection wells to a steamflood project in the McKittrick and Cymric Oil Fields; however, the project application was incomplete, and Staff issued a letter and memorandum detailing the reasons it could not complete a review. Staff met with State Water Board, CalGEM, and the Operator to discuss the Operator's revised application and Staff's questions and concerns with the project.

Staff received project information relating to an Operator's request to conduct a pilot waterflood project in the Paloma Oil Field. Staff had sent CalGEM a no-objection-with-conditions letter and memorandum stipulating that three conditions need to be met prior to the commencement of injection activities. Staff reviewed the information provided and sent CalGEM a request for additional information.

Staff issued one no intent to comment letter for a UIC project in the Cymric Oil Field, one no-objection-with-conditions letter and memorandum for a UIC project in the Coalinga Oil Field, two no-objection letters and memorandums for UIC projects in the South Belridge and Midway-Sunset Oil Fields, and an objection letter for a UIC project located in the Sutter City Gas Field.

Staff are preparing two no-objection letters for UIC projects located in the South Belridge Oil Field, and an initial review of a non-expansion project located in the Midway-Sunset Oil Field.

SENATE BILL 4 (SB-4) PROGRAM

Since the last Executive Officer's Report, Central Valley Water Board staff have completed one SB4 Well Stimulation Treatment (WST) Application package review and submitted written comments to the State Water Board. The Application package reviewed was for Chevron U.S.A. Inc.'s Lost Hills Oil Field. On 9 April 2020 Central Valley Water Board staff participated in a conference call with CalGem and State Water Board staff to discuss, among other things, Lawrence Livermore National Laboratory's audit assessment of several Belridge Oil Field well stimulation applications.

Central Valley Water Board staff also reviewed the following: a California Resources Corporation report associated with the drilling of a deep exploratory boring for a groundwater monitoring exclusion in Elk Hills Oil Field; a California Resources Corporation groundwater monitoring exclusion request for 8 wells in Elk Hills Oil Field; a California Resources Corporation work plan for the installation of a sentry monitoring well in the Terrabone Oil Field; a Chevron U.S.A. Inc. work plan to rework a deep monitoring well in the Lost Hills Oil Field; and three separate California Resources Corporation work plans to add additional wells for planned stimulations in Elk Hills Oil Field. Written comments were submitted to the State Water Board.

IRRIGATED LANDS REGULATORY PROGRAM (ILRP)

(ILRP) QUARTERLY STAKEHOLDER MEETINGS

Central Valley Water Board staff holds regular 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 next meeting is planned for July 8th as a Zoom meeting with a potential in-person option and will focus on water quality considerations of Flood-Managed Aquifer Recharge (Flood-MAR).

More [information regarding the stakeholder meetings can be found on the Central Valley Water Board ILRP website](#)

(www.waterboards.ca.gov/centralvalley/water_issues/irrigated_lands/regulatory_information/stakeholder_advisory_workgroup/index.shtml)

EXPERT REVIEW OF ESJWQC SURFACE WATER MONITORING FRAMEWORK

State Water Resources Control Board Order WQ-2018-0002 directed the Central Valley Water Board to convene an external expert review of the East San Joaquin Water Quality Coalition's surface water monitoring framework. Steve Weisberg of SCCWRP is facilitating the five-member panel external review. The first public Panel Meeting was held in January 2020, with two days at the Central Valley Water Board's Rancho Cordova office and one day touring the Coalition's monitoring locations. The Panel plans to reconvene from 24-26 August 2020. Additional panel and meeting information is available on the following website: [Expert Review Panel for the East San Joaquin \(ESJ\) Surface Water Quality Monitoring Program](#)

(www.sccwrp.org/about/research-areas/additional-research-areas/east-san-joaquin-expert-panel/).

LOW-THREAT ALTERNATIVE ILRP FRAMEWORK

Staff continues to work with UC Rangelands to gather information to reevaluate the Irrigated Lands Regulatory Program to be more relevant and meaningful for irrigated pasture and low-threat crops in the upper watersheds. The information includes pesticide use data, nitrogen/fertilizer use data, management practice data, geographic data, and economic analysis results. Staff is also evaluating potential thresholds for irrigated pasture that might could be used to support an exemption from the Irrigated Lands Regulatory Program.

ILRP COMPLIANCE, OUTREACH & ENFORCEMENT

COVID-19 IMPACTS

Due to the recent Covid-19 outbreak, some activities performed by the compliance and outreach unit have been delayed. All staff are currently teleworking from home. Staff has been focused on identifying potential commercial irrigated lands as shown in our update below. On-farm inspections have been put on hold. Outreach and directive

letters to potential commercial irrigated landowner/operators has been delayed but will resume within the next month as we have identified thousands of potential commercial irrigated operations which may need ILRP enrollment. This process will take more time because of the more complicated coordination needed.

DRINKING WATER WELL MONITORING OUTREACH

Outreach efforts continue for the drinking water well monitoring requirements in the East San Joaquin Water Quality Coalition (ESJWQC) and the Tulare Lake Basin. ESJWQC members were required to monitor drinking water wells on enrolled parcels starting in 2019. Tulare Lake Coalition members are required to start sampling in 2020. Board staff is continuing to work with members by providing guidance and answering questions. Within the region, there has been over 3000 wells monitored for nitrate and nitrite as nitrogen as a result of this program, and that data is publicly available on GeoTracker.

ESJWQC members have started their second year of drinking water well monitoring. So far in 2020, over 200 additional samples have been submitted to GeoTracker by 100 members/landowners with about 31% exceeding the drinking water standard.

Board staff is tracking notification submittal and conducting follow-up as needed to ensure that members/landowners with wells exceeding the nitrate drinking water standard are notifying users accordingly. From March through April 2020, staff sent 54 letters to ESJWQC members/landowners reminding them of the notification requirement. This process has achieved 60 percent compliance so far, and staff is pursuing progressive enforcement actions to obtain notifications and increase compliance.

In the Tulare Lake Basin Area, Board staff is continuing to work with members through emails, phone calls, and letters to ensure users of impacted wells are properly notified. As of the end of April 2020, there were 209 wells with nitrogen exceedances in the Tulare Lake Basin, and staff have received 178 signed Drinking Water Notification Templates (85% compliance). Staff have sent 19 letters to member/landowners reminding them of the notification requirement and will continue with progressive enforcement actions as needed to obtain notifications.

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 is used to focus and prioritize issuance of 13260 directives to appropriate entities. Growers may obtain coverage by joining an agricultural 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 1- April 30 |
|--|---|
| Buena Vista Coalition | 47 |
| Cawelo Water District Coalition | 19 |
| Kaweah Basin Water Quality Association | 519 |
| Kern River Watershed Coalition Authority | 1134 |
| Kings River Water Quality Coalition | 680 |
| Tule Basin Water Quality Coalition | 462 |
| Westlands Water Quality Coalition | 631 |
| Westside Water Quality Coalition | 290 |
| East San Joaquin Water Quality Coalition | 1553 |
| Grasslands Drainage Authority | 47 |
| San Joaquin County and Delta Water Quality Coalition | 767 |
| Sacramento Valley Water Quality Coalition | 3110 |
| Westside San Joaquin River Water Quality Coalition | 374 |
| Total | 9633 |

COALITION ENROLLMENT SUMMARY

ILRP staff continues to conduct significant compliance and outreach efforts associated with obtaining appropriate enrollment in the program and will provide an information item during this current Board meeting to update the Board on our efforts. Board staff is currently using the newly released 2016 Department of Water Resources land use data along with other information including but not limited to current membership lists, dairy parcels and past inspection data. There are fluctuations in irrigated agricultural acreage due to various factors, including land use conversions, ownership transfers, and regulatory coverage in other programs, but this new effort should give us a clearer picture of the status of enrollment in the irrigated lands program.

SACRAMENTO RIVER WATERSHED COALITION GROUPS

CALIFORNIA RICE COMMISSION

On 19 February 2020, the California Rice Commission submitted the 2020 Rice-Specific Groundwater Assessment Report Update. This Update provides a review of relevant groundwater data collected since the Rice-Specific Groundwater Assessment Report was completed in 2013 and a determination on whether revisions to low-vulnerability and high-vulnerability acreage boundaries are needed. Staff provided draft comments on the report to the California Rice Commission and is waiting for a revised submittal.

SACRAMENTO VALLEY WATER QUALITY COALITION

On 30 March, the Executive Officer approved the 2018 Nitrogen Management Plan Summary Report Analysis for the Sacramento Valley Water Quality Coalition which was originally submitted on 22 November 2019.

On 16 April, the Goose Lake Watershed submitted a revised version of the Goose Lake Watershed's Reduced Monitoring / Management Practices Verification Option Proposal (Proposal). This is currently under staff review.

On 1 May, the Sacramento Valley Water Quality Coalition submitted the annual reports for 2019. These include the Surface Water Monitoring Report, Groundwater Trend Monitoring Report, and the Management Plan Progress Report. These are currently under staff review.

SAN JOAQUIN RIVER WATERSHED COALITION GROUPS

EAST SAN JOAQUIN WATER QUALITY COALITION

On 6 March, the Coalition submitted an amendment form to update the Quality Assurance Project Plan. The Coalition proposes to update the surface water sampling Standard Operating Procedure for sediment sample collection. The amendment is currently under staff review.

On 1 May, staff received the East San Joaquin Water Quality Coalition 2020 Annual Report for the monitoring program from October 2018 through September 2019. The report is currently under staff review.

On 1 May, staff received the 2020 Annual Monitoring Report for the San Joaquin Chlorpyrifos and Diazinon TMDL Compliance Monitoring prepared jointly by the East San Joaquin Water Quality Coalition and the Westside San Joaquin River Watershed Coalition. The report is currently under staff review.

SAN JOAQUIN COUNTY AND DELTA WATER QUALITY COALITION

On 27 March, the Executive Officer approved the Coalition's 30 November Annual Management Practice Implementation and Nitrogen Application Report for the 2018 crop year.

On 27 April, the Coalition's 29 January 2020 Management Plan Request for completion was approved by the Executive Officer. Seven of Eight site/constituent pairs were approved for completion.

On 1 May, staff received the San Joaquin County & Delta Water Quality Coalition 2020 Annual Report for the monitoring program from October 2018 through September 2019. The report is currently under staff review.

WESTSIDE SAN JOAQUIN RIVER WATERSHED COALITION

On 7 April, the Executive Officer approved the Coalition's Sediment Toxicity Management Plan, which was revised to incorporate requirements of the Basin Plan Amendment and TMDL for the Control of Pyrethroid Pesticide Discharges in the Sacramento and San Joaquin River Basins (Resolution R5-2017-0057).

On 29 April, the Water Board sent a review letter for the Annual Monitoring Report, which includes monitoring as described in the Coalition's approved 2018 Monitoring Plan Update (MPU), the Farm Evaluation (FE) Analysis, and the Nitrogen Management Plan Summary Report (NMPSR) Analysis.

On 29 April, the Coalition submitted the 2019 Annual Groundwater Quality Trend Monitoring Report. This is currently under staff review.

GRASSLAND DRAINAGE AREA COALITION

The 2019 Annual Monitoring Report for the Grassland Drainage Area was submitted on 28 April 2020. The report discusses the results of the second year of groundwater monitoring in the Grassland Drainage Area. The report is currently under staff review.

TULARE LAKE BASIN COALITION GROUPS

BUENA VISTA COALITION

On 3 April 2020 the Buena Vista Coalition submitted a request to extend the due date for submittal of the annual Groundwater Quality Trend Monitoring Report, due 1 May 2020. A 60-day extension was granted by the Executive Officer, moving the due date to 1 July 2020.

CAWELO WATER DISTRICT COALITION

On 3 April 2020 the Cawelo Water District Coalition submitted a request to extend the due date for submittal of the annual Groundwater Quality Trend Monitoring Report, due 1 May 2020. A 60-day extension was granted by the Executive Officer, moving the due date to 1 July 2020.

KAWEAH BASIN WATER QUALITY ASSOCIATION

On 16 April 2020 the Kaweah Basin Water Quality Association submitted a request to extend the due date for submittal of the annual Groundwater Quality Trend Monitoring Report data into GeoTracker, due 1 May 2020. A 60-day extension was granted by the Executive Officer, moving the due date to 1 July 2020.

KERN RIVER WATERSHED COALITION AUTHORITY

On 3 April 2020 the Kern River Watershed Coalition Authority submitted a request to delay the submittal of a reduced monitoring proposal for the Upper Kern River Watershed, due 29 May 2020. A 90-day extension was granted by the Executive Officer, moving the due date to 31 August 2020.

KINGS RIVER WATER QUALITY COALITION

On 10 April 2020 staff issued a review of the Kings River Water Quality Coalition's 2018 annual Monitoring Report. The report was found to meet the requirements of Order R5-2013-0120-07.

On 22 April 2020 staff attended a conference call with the Kings River Water Quality Coalition to discuss a Groundwater Quality Trend Monitoring Plan Update submitted on 16 April 2020. The meeting discussion focused on proposed changes to the monitoring well network and supporting rationale.

OTHER PROJECTS

DATA MANAGEMENT

ILRP staff continues to route water quality monitoring data through the Surface Water Ambient Monitoring Program (SWAMP) for transfer to California Environmental Data Exchange Network (CEDEN) and is current with its CEDEN uploads. CEDEN transfers occur approximately once per month. After ILRP staff performs a completeness check, SWAMP staff loads coalition monitoring data to CEDEN. Four coalitions send data directly to the Central Valley Regional Data Center for transfer to CEDEN in May each year.

On 1 March, the Sacramento Valley Water Quality Coalition provided its fourth quarter 2020 data submittal. On 11 March, the data set was submitted to SWAMP for uploading into CEDEN.

In March, the Kern River Water Quality Coalition surface water quality data was uploaded to CEDEN covering the period April 2014 through June 2017.

In March/April, 15 backlogged Tule Basin Water Quality Coalition data sets were submitted to SWAMP for uploading to CEDEN. There are 17 more Tule backlogged data sets to format/QC review and upload.

GRASSLAND BYPASS PROJECT

The 2019 Annual Monitoring Report for the Grassland Bypass Project was submitted on 28 April 2020. The report discusses the results of surface water monitoring conducted under Order R5-2019-0077. The report is currently under staff review.

RICE PESTICIDES PROGRAM

The California Rice Commission's management practice recommendations for the 2020 monitoring season were conditionally approved on 24 February 2020. An assessment of the relationship between performance goal exceedances, treated acreage, and drought/flow conditions from 2010 through 2020 must be submitted with the 2020 Annual Monitoring Report to satisfy the conditional approval. Surface water monitoring for the Rice Pesticides Program is scheduled to commence on 28 April 2020.

NON-POINT SOURCE (NPS)

FEDERAL NON-POINT SOURCE PERMIT DEVELOPMENT

The Central Valley and Lahontan Water Board staff are working cooperatively to develop similar permits for activities conducted on U.S. Forest Service and Bureau of Land Management that result in nonpoint source discharges. A draft list of activities proposed for inclusion in the permit has been developed, a permit development group has been established and is holding monthly working meetings, and biannual executive meetings are being held. Tribal consultation letters, as required by AB 52, will be sent in May 2020; tribes will be afforded extra time to respond due to the COVID-19 situation. Staff are evaluating options for addressing CEQA compliance and are planning a joint workshop for Central Valley and Lahontan Water Board members in late summer 2020.

CLEAR LAKE NUTRIENT CONTROL PROGRAM UPDATE

Staff is working with TMDL-identified responsible parties to obtain information regarding compliance with phosphorus load allocations. Staff is in the process of drafting and sending enforcement orders to each responsible party to obtain this information. On 10 March 2020, staff issued a 13267 Order to U.S. Forest Service to obtain information regarding their load allocation.

On 15 January 2020, staff issued a 13267 Order requiring an updated load estimate based on recent irrigated agriculture surveys, updated management practices, and steps outlined in their response to a previous 132670 Order. On 20 March 2020, Board staff received a request for an extended deadline to submit an updated technical report due to delays associated with COVID-19. This request was submitted to provide additional outreach and training sessions for growers to submit through a new online system and time to evaluate recent data for the technical report. Based on the continued progress of Irrigated Agriculture in assessing compliance with their load allocation, Central Valley Water Board granted Irrigated Agriculture an extension to submit the technical report. The report must be submitted by 31 March 2021.

On 22 August 2019, a Time Schedule Order (TSO) request was submitted on behalf of Lake County MS4 co-permittees. On 13 December 2019, the Board issued a TSO to the permittees. The TSO includes a schedule of when the permittees will be in compliance with their load allocation. On 31 January 2020, staff received deliverables from the MS4 permittees regarding their best management practices. Staff is currently reviewing this information. On 25 March 2020, Board staff received a request for extended deadlines. Staff is in the process of reviewing the request.

On 24 September 2019, staff issued USBLM a 13267 Order requesting information regarding compliance with their load allocation as well as post-fire management practices. On 17 December 2019, USBLM submitted a progress report outlining the steps they are taking to estimate their load reduction. USBLM also submitted a request for a three-month extension for the submittal of their final report. Staff approved this extension.

On 10 October 2019, staff sent County of Lake a 13267 Order regarding their nonpoint source load allocation. On 31 January 2020, staff received their first deliverable from Lake County, which is a list of their management practices to reduce erosion into Clear Lake. Staff is currently reviewing this information. On 25 March 2020, Board staff received a request for extended deadlines to submit a rough estimate of Lake County's load reduction due by 31 March 2020 and a final technical report that describes management practices implemented to reduce phosphorus loads to Clear Lake due by 30 June 2020. Based on the continued progress of Lake County in assessing compliance with their load allocation and restrictions caused by COVID-19 guidelines, Central Valley Water Board has granted Lake County an extension to submit the estimate and technical report. The estimate must be submitted by 29 May 2020 and the report must be submitted by 31 August 2020.

The Blue-Ribbon Committee for the Rehabilitation of Clear Lake is scheduled to meet next on 18 June 2020. Meeting details are publicly noticed by the California Natural Resources Agency. More information regarding the Committee can be found on the Natural Resources Agency's [Blue Ribbon Committee website](https://resources.ca.gov/Initiatives/Blue-Ribbon-Committee-for-the-Rehabilitation-of-Clear-Lake) (<https://resources.ca.gov/Initiatives/Blue-Ribbon-Committee-for-the-Rehabilitation-of-Clear-Lake>).

Staff is also coordinating with agencies, organizations, and Tribes in Lake County to develop a joint brochure focused on educating residents about nutrient management and steps they can take to reduce nutrient impacts/erosion into Clear Lake. Central Valley Water Board is acting as lead in this effort. The brochure is tentatively scheduled to be available to the public in summer 2020.

More information about the Clear Lake Nutrient Control Program can be found on the [Clear Lake Nutrient TMDL webpage](#)

(https://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/clear_lake_nutrients/index.html).

CANNABIS

GENERAL ORDER ENROLLMENT AND DEVELOPMENTS

Jason Schroeder prepared the FY 20/21 Programmatic Work Plan

Staff have been actively reviewing and processing enrollments under the Statewide General Order and have been continuing to conduct outreach and enrollment enforcement efforts to ensure eligible cultivators enroll in the Statewide General Order. Table 1 provides a summary of the Statewide General Order enrollments in the Central Valley Region to date.

Table 1. Summary of the Statewide General Order enrollments in the Central Valley Region to date.

(CE = Conditionally exempt, enrolled in the Statewide Cannabis Waiver of Waste Discharge Requirements.)

| County | CE | Tier 1L | Tier 1M | Tier 1H | Tier 2L | Tier 2M | Tier 2H | Total Active Enrollments |
|---------------|------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------------------------|
| Calaveras | 3 | 17 | 4 | 0 | 8 | 2 | 0 | 34 |
| Colusa | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 3 |
| Contra Costa | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| El Dorado | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 3 |
| Kern | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Lake | 13 | 88 | 3 | 0 | 74 | 2 | 1 | 181 |
| Fresno | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Merced | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Nevada | 15 | 167 | 3 | 2 | 6 | 0 | 0 | 193 |
| Sacramento | 129 | 0 | 0 | 0 | 0 | 0 | 0 | 129 |
| Sierra | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| Solano | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Shasta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Siskiyou | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Stanislaus | 14 | 6 | 0 | 0 | 2 | 0 | 0 | 22 |
| Tulare | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| Yolo | 2 | 19 | 0 | 0 | 46 | 0 | 0 | 67 |
| Yuba | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Totals | 204 | 302 | 10 | 2 | 137 | 4 | 1 | 660 |

OUTREACH

Staff have not conducted outreach events since the last Board Meeting due to COVID-19 restrictions.

COMPLIANCE AND ENFORCEMENT - ENROLLMENT ENFORCEMENT

On February 26th, 91 enrollment enforcement letters were issued in the North Rock Creek subwatershed of the Yuba River, in Nevada County. Staff are currently processing responses to this latest batch of letters

COMPLIANCE

On March 19th, staff performed a compliance inspection in Lake County.

On March 26th, staff performed a compliance inspection in Calaveras County.

ENFORCEMENT

On March 19th, staff performed an enforcement inspection in Lake County.

On April 20th, staff performed an enforcement inspection in El Dorado County.

On April 22nd, staff performed an enforcement inspection in Shasta County.

CYANOBACTERIA BLOOMS UPDATE

Cyanobacteria and harmful algal blooms (HABs) are a common occurrence in surface waters across California. To address this issue, a Freshwater and Estuarine Harmful Algal Bloom (FHAB) Program was developed and implemented by the State Water Resources Control Board's Surface Water Ambient Monitoring Program. The Central Valley Water Board participates in this statewide FHAB Program by investigating and responding to reports of suspected HABs.

As part of the FHAB program, a [California Harmful Algal Blooms Portal](https://mywaterquality.ca.gov/habs/) (<https://mywaterquality.ca.gov/habs/>) was developed and is supported on the California Water Quality Monitoring Council's [My Water Quality webpage](https://mywaterquality.ca.gov/index.html) (<https://mywaterquality.ca.gov/index.html>).

The purpose of the HABs Portal is to provide readily accessible and easy-to-understand information to the public on the environmental and human health effects from HABs. Resources available include a map showing locations where HABs have been reported, fact sheets on identifying cyanobacteria blooms, and guidance on healthy habits the public can take to protect themselves and their pets from HABs. For health departments and water body managers, the portal includes guidance documents on sampling and posting advisory signs, sign templates, and information on control and treatment options.

SPRING 2020 – CENTRAL VALLEY BLOOMS

Cyanobacteria blooms typically occur from summer through late fall. However, blooms can occur in the winter and spring, especially if temperatures are mild and nutrients are introduced from rainfall runoff. A summary of cyanobacteria blooms for the period of March 2020 to April 2020 is provided in Table 1.

Table 1. Cyanobacteria Bloom Summary: March 2020 through April – 2020

| Category | Count |
|---|-------|
| Number of Suspected Blooms Investigated since previous EO Report | 3 |
| Number of Confirmed Blooms ¹ since previous EO Report | 4 |
| Number of Continuing Blooms ¹ from previous EO Report | 0 |
| Number of Distinct Water Bodies with Confirmed Blooms since previous EO Report | 4 |
| Number of Human Illnesses Reported since previous EO Report (under investigation) | 1 |
| Number of Animal Impacts Reported since previous EO Report (under investigation) | 1 |

¹Confirmed and continuing blooms are identified through response actions by Water Board staff or by monitoring programs conducted by other stakeholders.

GRANTS

CLEAN WATER ACT §319(H) NONPOINT SOURCE GRANT SOLICITATION

Approximately \$4 million is available for the 2020 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. NPS proposal applicants will be notified in Spring/Summer 2020. The 2021 solicitation will be available later this year.

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

(https://www.waterboards.ca.gov/water_issues/programs/nps/319grants.html).

CLEAN WATER ACT §319(H) NONPOINT SOURCE ON-GOING GRANTS:

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. (Closing 4/30/2021)

IMPLEMENTATION OF BEST MANAGEMENT PRACTICES IN THE DELTA: A COMPREHENSIVE PESTICIDE MANAGEMENT PROJECT TO IMPROVE WATER QUALITY (\$399,407)

The Delta Conservancy will develop, certify, and implement Farm Water Quality Improvement Plans through the Fish Friendly Farming Program to reduce the generation and transport to waterbodies of agricultural chemicals, sediment, and nutrients from sites within the Sacramento-San Joaquin Delta. (Closing 2/28/2023)

TIMBER REGULATION AND FOREST RESTORATION FUND ON-GOING GRANTS:

PONDEROSA WAY ROAD ASSESSMENT AND SEDIMENT REDUCTION PLAN (PHASE II) (\$500,000)

The Tehama County Resource Conservation District has conducted a road-related sediment survey on Ponderosa Way in Eastern Tehama County between State route 36E and State Route 32E (Project Area). The survey will result in a sediment reduction plan for the Project Area with one demonstration project in the Project Area. The demonstration project will serve to illustrate potential implementation measures that result in sediment reduction along Ponderosa Way. A demonstration site has been established and construction is scheduled to be complete by the end of the year (2020). A time extension has been giving this grant a new closing date of 2/28/2021.

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. The grantee continues to submit new research documents that should help quantify the effects of post-fire management activities. A time extension has been awarded, giving this grant a new closing date of 3/31/20.

ROADSIDE FUEL REDUCTION (\$370,000)

Yuba County, with executed grant funding, has constructed nearly 185 acres of shaded fuel breaks along approximately 30 miles of roadways in the Yuba foothill state recreation area. This project will result in enhanced fire safety, aiding to reduce potential wildfire severity in the area and thereby reducing water quality degradation from wildfires. Project implementation is complete, with a final report due 3/31/2020, and grant closing date of 4/30/2020. Due to project delays from the COVID-19 emergency, Yuba County staff are working past the closing date of this grant. Their final report is expected by 15 May 2020. (Closing 4/30/2020)

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 the Battle Creek watershed. The grantee has completed road assessments on approximately 23 miles of native surface and rock road and is currently preparing an Action Plan which will include site specific sediment reduction treatment recommendations for all sites inventoried. The resulting Action Plan will provide prioritization for a demonstration site within the project area. (Closing 10/31/2021)

NORTH BUTTE COUNTY ROAD INVENTORY AND IMPROVEMENT PROJECT (\$375,000)

The Resource Conservation District of Butte County has conducted a road inventory and will prepare an Action Plan to reduce sedimentation from native surface roads located within the Butte Creek and Big Chico Creek watersheds (67 miles), they will prepare a CEQA document, implement road upgrades along four miles of Powellton Road within the Butte Creek watershed, and hold two public workshops. The grantee has opened a bid package for contractors and are waiting to sign an agreement with the lowest bidder for the road upgrade implementation. (Closing 2/28/2021)

DEER CREEK NORTH YUBA RIVER WATERSHED ASSESSMENT AND SEDIMENT REDUCTION PLAN (\$255,100)

The purpose of this project is to implement erosion control treatments to reduce sediment delivery to streams from Forest Service system roads, unauthorized roads, legacy skid trails, and landings within the North Yuba River Watershed. American Rivers Inc. have inventoried approximately 67 miles of roads, skid trails, and landings within the project area and have prepared an Action Plan to implement at least 15 miles of erosion control treatments. The grantee is currently preparing a bid package for the implementation component. (Closing 2/28/2022)

AMERICAN RIVER HEADWATERS RESTORATION (\$757,000)

The American River Conservancy has thinned approximately 243 acres of merchantable timber under a CALFIRE Fire Prevention Pilot Project Exemption in the Greyhorse valley. Thinning operations have met and exceeded grant requirements and currently the grantee is looking at upgrading the road network throughout the project area. (Closing 3/30/2022)

UPPER BIDWELL PARK ROAD AND TRAIL SEDIMENT SOURCE ASSESSMENT AND REDUCTION PROJECT (\$706,352)

The purpose of this project is to implement forest management practices in Upper Bidwell Park through the identification and reduction of road and trail related erosion and sediment delivery within the Big Chico Creek Watershed. Currently, the grantee

and Central Valley Water Board staff are working on finalizing the Scope of Work. (Closing in 2023)

KING FIRE SIGNIFICANT EXISTING AND POTENTIAL EROSION SITES (SEPES) (\$266,366)

The purpose of the project is to fix select priority Significant Existing and Potential Erosion Sites (SEPES) on the Eldorado National Forest (ENF) that were identified on haul routes associated with timber sales implemented under the King Fire Restoration Project (KFRP). Stream crossing structure replacement, road drainage improvements, road reconditioning, armoring of structures, rebuilding of fill slopes, and landslide removal are among the work expected. Funding will be used to replace multiple large failed and at-risk stream crossing structures with an emphasis on designing crossings to accommodate a 100-year event, plus associated sediment and debris. State Water Board staff are currently finalizing the grant agreement for execution. (Closing in 2023)

PUBLIC/DISADVANTAGED COMMUNITY/TRIBAL OUTREACH

(An asterisk in front of an entry below denotes “Outreach to Disadvantaged Communities” or “Outreach to Tribes”.)

On 10 and 11 March, Alex MacDonald attended the Emerging Contaminants Conference which highlighted recent developments in evaluating, investigating, analyzing, monitoring and remediating Per- and Poly-fluorinated Alkyl Substances.

*On 14 March, Jeff Hannel attended the Fresno Environmental Reporting Network task force meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

On 26 March, Alex MacDonald and James Taylor presented via a webinar to the Sacramento Groundwater Authority providing an update on the progress of the Aerojet and McClellan AFB cleanups. The updates highlighted actions taken since the last meeting in September 2019 and provided links to various reports on GeoTracker that focused on evaluations of groundwater contaminant plume movements and containment.

*On 26 March, Omar Mostafa participated (via conference call) in the Tulare IVAN Reporting Network task force meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

*On 14 April, Jeff Hannel participated (via conference call) in the Fresno Environmental Reporting Network task force meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

*On 23 April, Omar Mostafa participated (via conference call) in the Tulare IVAN Reporting Network task force meeting to review and provide updates regarding

environmental complaints lodged by various disadvantaged community groups and members.

In April 2020, Elizabeth Betancourt, Angela Wilson, and Clint Snyder worked with CNRA, CALFIRE, CDFW, DOC and others to vet a revised scope of work to implement components of AB 2551 (2018, Wood). AB 2551 authorized CNRA and CalEPA to jointly develop a prioritized approach to forest management in source watersheds feeding the Shasta, Trinity, and Oroville systems, develop a streamlined permitting approach to implementation, and established an account to pay for implementation (though did not authorize funding). The revised scope focused only on the first of those tasks. Central Valley Water Board, North Coast Water Board and State Water Board staff participated in a multi-agency call on April 24, hosted by CNRA, to discuss the proposal and later coordinated collective written comments. Central Valley Water Board staff will continue to track this project as it further develops.

*On April 24th, Sue McConnell held a conference call with representatives from Clean Water Action, Community Water Center, American Rivers, California Coastkeeper Alliance, and Leadership Counsel for Justice and Accountability. The conference calls are scheduled quarterly to provide updates on the ILRP and a forum to discuss any ILRP-related issues.

On 5 May 2020, Janis Cooke attended a workshop hosted by the San Francisco Bay Nutrient Management Strategy on setting dissolved oxygen thresholds with a focus on sloughs and channels of Lower South Bay. The workshop included presentations from expert panel members regarding incorporating multiple stressors (e.g., temperature and salinity) into dissolved oxygen thresholds.

On 5 March, Alex MacDonald presented an update on Per-fluorinated and Poly-fluorinated Alkyl Substances (PFAS) to the Rosemount Community Association. The presentation was in conjunction with Sacramento County Environmental Management and the Sacramento County Health Officer. Concentrations of PFAS above health screening criteria had been found in a water supply well serving the Rosemount community in Sacramento County. The well had been taken out of service, equipped with granular activated carbon treatment units by California American Water Company and turned back on. The source of the PFAS is the former Mather Air Force Base adjacent to the community. The Air Force is paying for the operation of the treatment system and is being taken to court by California American to recoup the cost of installation of the treatment system.

GENERAL UPDATES TO THE BOARD

CONSTITUENTS OF EMERGING CONCERN (CECS)

In 2016, Central Valley Water Board staff began working with representatives from the Central Valley Clean Water Association (representing publicly-owned treatment works or POTWs) and Central Valley Municipal Separate Storm Sewer System agencies (MS4) to develop a work plan in response to State Water Board's Constituents of Emerging Concern (CECs) Statewide Pilot Study Monitoring Plan. The POTW/MS4

group have developed the Central Valley Pilot Study for Monitoring Constituents of Emerging Concern (CECs) Work Plan (Work Plan) based on feedback from the State Water Board and Central Valley Water Board staff.

In fiscal year (FY) 18/19, the Delta Regional Monitoring Program (DRMP) approved the Work Plan and allocated funding for the Aquatic Science Center (ASC) to complete the Quality Assurance Project Plan (QAPP) and Sampling and Analysis Plan (SAP). ASC is working to incorporate laboratory-specific details into the QAPP and SAP and will solicit for comments from the Technical Advisory Committee before final approval. Ambient CEC sampling was planned to begin in the second or third quarter of 2020. ASC is currently assessing which sampling and analysis activities can occur under Executive Order N-33-20 (Shelter-in-Place Order) issued by the Governor of California on 19 March 2020.

CARR FIRE

CARR FIRE SEDIMENT AND EROSION CONTROL WORK

Redding office staff has worked for almost two years with the Western Shasta Resource Conservation District to implement sediment and erosion control measures in priority watersheds burned in the Carr Fire in 2018. The implementation of sediment and erosion control best management practices (BMPs) is now complete. Approximately 1,170 acres received BMPs treatments including hydroseeding, hand applied seed and straw, and log erosion barriers. Design and permitting for eight culvert replacements is complete, and construction will begin shortly. An effectiveness assessment study is being conducted and data to date indicates significant reductions in sediment discharge and soil stability in areas that received BMPs treatments.

CAMP FIRE

CAMP FIRE HAZARD TREE REMOVAL

CalRecycle, in cooperation with the Office of Emergency Services, has been working closely with Board staff and CALFIRE to facilitate the removal of more than 300,000 trees along road rights-of-way that are at risk of dying as a result of the 2018 Camp Fire in Butte County. Trees will be removed from the rights-of-way and be processed in a variety of locations, including at several facilities in the Chico area. Work is expected to begin summer 2020 and continue through winter 20/21. Central Valley Water Board staff will expedite permitting needs and dedicate staff to field operations to ensure work is conducted in manner protective of water quality.

E&J GALLO WINERY, FRESNO COUNTY

On 31 January 2020, E&J Gallo Winery (Gallo) submitted the 2019 Vadose Zone Monitoring Study Report (Report). The Report summarizes a vadose zone study that was performed by installing soil moisture monitoring equipment in two land application areas. The Report concluded that when soil moisture data is used to determine appropriate loading rates, irrigation water did not percolate below a depth of 56 inches. The Report also concluded that further vadose zone monitoring is not required.

On 1 April 2020, Central Valley Water Board staff sent a letter to Gallo that contained staff's review and comments on the Report. The letter stated that Gallo needed to demonstrate 1) that the wastewater discharged at the Winery as part of its operations will not percolate below a depth of 56 inches (or some other shallow depth as determined by investigation) and 2) that there is not a significant difference between the quantity of wastewater that percolates beneath the middle of the checks (area where the study was conducted) and the beginning of the checks (area to likely have greatest percolation). In addition, the letter stated that any land application area that is loaded with a BOD cycle average of 150 lb/ac/day or more must have a vadose zone monitoring system per the WDRs. The letter requested a report that addresses these issues by 30 June 2020. Gallo has requested a meeting to discuss the 1 April 2020 letter. A conference call has been scheduled for 7 May 2020 between Central Valley Water Board staff and Gallo staff to discuss the 1 April 2020 letter.

PERSONNEL AND ADMINISTRATION

STAFFING UPDATES - MARCH 1, 2020 – APRIL 30, 2020

PROMOTIONS:

Danielle Goode – SR WRCE

Crystal Hanson – AGPA

John Murphy – SR EG

Lauren Smitherman – SR ES (SUP)

LEAVE OF ABSENCE:

None

RETIREMENT:

Daniel Carlson – SR EG

Daniel Whitley – ES

SUMMARY OF POSITIONS:

Total Authorized Positions: 275.7

Total Vacant Positions: 28.5

Sacramento

Authorized Positions: 148

Vacancies: 13.5

Fresno

Authorized Positions: 76

Vacancies: 13.5

Redding

Authorized Positions: 51.7

Vacancies: 8

Separations:

William Chen – WRCE

Samantha Parker – SA

Temporary Positions:

None

New Hires:

Jameela Zaghmouri – Scientific Aid

Marissa Bosenka – OT

Jennifer Gonzalez – Scientific Aid

Galvin Kauffman – EG

Abby Mehl – Seasonal Clerk

Kayla Spratt – Scientific Aid

TRAINING UPDATES - MARCH 1, 2020 – APRIL 30, 2020

| Class Title | Number of Attendees |
|---|----------------------------|
| 2020 California Water and Environmental Modeling Forum | 1 |
| 24 Hour HAZWOPER | 2 |
| 30th Annual Intl Conference on Water, Soil, Water, Energy and Air | 2 |
| 38th Annual Salmonid Restoration Conference | 1 |
| Advanced Pressure Transient Analysis | 1 |
| After the Flames Conference and Workshop | 1 |
| Art & Science of Motivation & Morale | 2 |
| Authentic Leadership | 3 |
| Basic Inspector Academy | 3 |

| Class Title | Number of Attendees |
|--|----------------------------|
| Building High Performance Teams | 1 |
| CA Water and Environmental Meeting Modeling Forum (CWEMF) 2020 Annual Mtg | 1 |
| California Dairy Sustainability Summit | 1 |
| California Water Quality Law 101 | 9 |
| Coaching and Mentoring | 5 |
| CRAM for Managers and Planners | 5 |
| Critical Thinking | 2 |
| Customer Service Training | 2 |
| Division of Water Rights Jurisdiction | 3 |
| EEO: Workplace Rights and Responsibilities | 8 |
| Emotional Intelligence | 1 |
| Ethics Training for State Officials | 3 |
| Field Safety Training | 7 |
| Fundamentals of Well Testing | 1 |
| Harassment Prevention Webinar for Non-Supervisory Staff | 2 |
| IEP - Interagency Ecological Program | 2 |
| Injury and Illness Prevention/Hazardous Communication Training - IIPP Training | 23 |
| Interpersonal Communication Skills | 3 |
| Introduction to GIS | 16 |
| Introductory to Public Speaking | 3 |
| ITRC PFAS Training Modules/Guidance Document/Fact Sheets | 1 |
| NPDES Permit Writer's Course | 5 |
| NPDES Technical Inspector Workshop | 4 |
| Oil Well Testing | 1 |
| PFAS Transport, Fate & Remediation in Soil & Groundwater | 8 |
| Project Management | 3 |
| ProUCL Utilization 2020: Part 3: Background Level Calculations | 1 |
| Remote Facilitation Training Series 2 | 1 |
| Remote Supervision | 5 |

| Class Title | Number of Attendees |
|---|----------------------------|
| TECH014-Petroleum Hydrocarbon Remediation Principles | 5 |
| Time Management | 4 |
| Transition During Difficult Circumstances | 4 |
| Verbal Judo | 8 |
| Watercourse Crossing & Design Considerations Workshop | 1 |

FISCAL UPDATE

A fiscal update cannot be provided at this time due to the Water Board's implementation of the Fi\$Cal accounting system. This information will be provided once budget reports become available.

CONTRACTS

OPERATIONAL SUPPORT SERVICES

| Contract Number | Contractor Name | Description | Start Date | End Date | Amount |
|-------------------------|---------------------------------|---|-------------------|-----------------|---------------|
| 17-084-150, Amendment 1 | Air Shasta Rotor and Wing, Inc. | Helicopter inspection services, Redding Office | 05/24/2018 | 09/30/2020 | \$60,000 |
| 20-012-150 | TBD | Helicopter aerial surveillance services (Consolidated Region 5 contract – SB 901 funds) | TBD | TBD | \$185,000 |
| 20-026-150 | TBD | Fixed wing aircraft - Aerial surveillance services | 7/1/2020 | 6/30/2023 | \$60,000 |

WATER QUALITY STUDY/PLANNING

| Contract Number | Contractor Name | Description | Start Date | End Date | Amount |
|------------------------|--------------------------------|--|-------------------|-----------------|---------------|
| 16-074-150, Am. 3 | Lawrence Berkeley National Lab | Plant, soil and water testing | 04/28/2018 | 03/31/2019 | \$443,511 |
| 17-022-150 | Department of Water Resources | Ongoing operation and maintenance – SWAMP. | 07/01/2017 | 06/30/2020 | \$180,000 |

| Contract Number | Contractor Name | Description | Start Date | End Date | Amount |
|------------------------|--|---|-------------------|-----------------|---------------|
| 17-054-150 | Delta Conservancy | Administrative and program management of the Delta Monitoring Exposure Reduction Program (MERP). | 01/09/2018 | 06/30/2020 | \$154,191 |
| 18-027-150 | UC Davis | Tech assistance to determine pyrethroid partition coefficients for sediment samples of the Central Valley. | 11/29/2018 | 01/31/2021 | \$100,000 |
| 18-053-150 | Caltest Analytical Laboratory | Lab services (Rancho Cordova office) | 08/15/2018 | 06/30/2021 | \$240,000 |
| 18-054-150 | Basic Laboratory, Inc. | Lab services (Redding office) | 08/15/2018 | 06/30/2021 | \$165,000 |
| 18-055-150 | Moore Twining Assoc. Inc. | Lab services (Fresno office) | 08/15/2018 | 06/30/2021 | \$195,000 |
| 18-057-150 | UC Davis | Interpretation of Soil Chemistry | 07/01/2018 | 01/31/2021 | \$199,987 |
| 18-058-150 | Aquatic Science Center | Development of a computer-based biogeochemical model for the Delta and Suisun Bay to quantitatively explore nutrient loads, cycling and characterize ecosystem response under current and future scenarios. | 07/01/2018 | 03/31/2021 | \$400,000 |
| 18-071-150 | Basic Laboratory, Inc. | Emergency lab services, Carr Fire | 07/26/2018 | 06/30/2020 | \$110,000 |
| 18-084-150 | Southern California Coastal Water Research Project Authority | To organize and facilitate a Surface Water Expert Panel to evaluate the adequacy of the surface water monitoring and assessment framework | 4/17/2019 | 01/30/2021 | \$249,806 |

| Contract Number | Contractor Name | Description | Start Date | End Date | Amount |
|------------------------|--|--|-------------------|-----------------|---------------|
| | | in the Eastern San Joaquin (ESJ) River Watershed General Waste Discharge Requirements | | | |
| 19-003-150 | Southern California Coastal Water Research Project Authority | The project will identify the environmental drivers contributing to cyanobacterial blooms and toxin production in Clear Lake, Lake County. | 9/27/2019 | 03/31/2022 | \$510,000 |
| 19-004-150 | 34 North | Web-based, interactive presentation/display of landscape level forest health and water quality assessment/planning for protection of the Battle Creek watershed. | 11/21/2019 | 3/31/2022 | \$95,000 |
| 19-033-150 | California Department of Water Resources | Support for Sacramento Water Coordinated Monitoring. | 12/24/2019 | 6/30/2022 | \$525,000 |
| 20-005-150 | United States Geological Survey | Development of a three-dimensional model of hydrodynamic mixing within Keswick Reservoir. | TBD | 11/30/2023 | \$250,000 |

FUTURE BOARD ACTIVITIES

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

AUGUST 2020 BOARD MEETING

NPDES PROGRAM– PERMITS

- City of Turlock Regional WQCF Renewal
- City of Manteca WQCF Renewal

- Sequoia/Kings Canyon National Parks Rotenone Application (New Permit)
- Stallion Springs Community Services District WWTF Rescission
- Bear Valley CSD WWTF Renewal

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISCHARGE TO LAND

- Horizon Nut Pistachio Processing - Fresno County, New WDRs
- Bronco Winery, Revised WDRs
- Gerawan Farms Plant #4, New WDRs
- Tasteful Selections, New WDRs
- Grimmway Shafter Facility, Revised WDRs

OCTOBER 2020 BOARD MEETING

NPDES PROGRAM – PERMITS

- Mariposa Public Utility District WWTF Rescission
- Thunder Valley Casino WWTP Rescission

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISCHARGE TO LAND

- Fresno County Service Area 31B, Revised WDRs
- Los Banos WWTF, Revised WDRs
- Greenville Wastewater Ponds, Revised WDRs
- Redding Regional Septage, Revised WDRs
- Mokelumne Rim Vineyards, Revised WDRs

IRRIGATED LANDS REGULATORY PROGRAM

- Goose Lake Alternative Framework – Resolution or Info Item

DECEMBER 2020 BOARD MEETING

NPDES PROGRAM – PERMITS

- Bell Carter Industrial WWTP Renewal
- City of Shasta Lake WWTF Renewal
- Rio Vista Northwest WWTF Renewal
- Sacramento Regional WWTP Renewal
- UC Davis Main WWTP Renewal
- Nevada CSD No. 1 Cascade Shores WWTP Renewal

- Donner Summit Public Utility District WWTP Renewal
- Sixteen-to-One Mine Renewal

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISCHARGE TO LAND

- Palo Cedro WWTF, Revised WDRs
- Redding Power Plant, Revised WDRs
- City of Modesto WWTF, Revised WDRs
- Azteca Milling, Revised WDRs

IRRIGATED LANDS REGULATORY PROGRAM

- Managed Wetlands Resolution

PENDING ACTIONS BUT NOT YET SCHEDULED FOR A BOARD MEETING

NPDES PERMITS

- Mountain House CSD WWTP Amendment
- Olivehurst Public Utility District WWTP Renewal
- Sierra Pacific Industries, Quincy Division Renewal
- Chester PUD Sewage Treatment Plant Renewal
- Lincoln Center GWTS Renewal

CONFINED ANIMAL FACILITIES

- Revision of Dairy General Order, Revised WDRs

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM - DISCHARGE TO LAND

- Large Domestic WWTF General Order, New WDRs
- Nut Dryers and Hullers General Order, New WDRs
- Food Processors General Order, New WDRs
- America Raisin Packers, Revised WDRs
- Bogle Delta Winery, Amended WDRs
- California Concentrates, New WDRs
- City of Kettleman WWTF, Revised WDRs
- Mule Creek State Prison, Amended WDRs
- Grimmway Enterprises, Inc., Revised WDRs
- Jamestown WWTF, Revised WDRs

- Rawson Road Septage Facility, Revised WDRs
- Rio Pluma Prune Processor, Revised WDRs
- Salad Cosmo, New WDRs
- Wonderful Pistachios Lost Hills, Revised WDRs

ATTACHMENT A

ATTACHMENT A – SANITARY SEWER OVERFLOW SUMMARY

Sanitary Sewer Overflow (SSO) Spills – 1 March 2020 through 15 April 2020

| Spill Cause | Count of Spill(s) | Percent (%) |
|---|-------------------|-------------|
| Root Intrusion | 55 | 43% |
| Debris-General | 30 | 23% |
| Grease Deposition (FOG) | 10 | 8% |
| Debris-Wipes/Non-Dispersables | 8 | 6% |
| Pipe Structural Problem/Failure | 5 | 4% |
| Other (specify below) | 4 | 3% |
| Debris-Rags | 4 | 2% |
| Operator Error | 3 | 2% |
| Vandalism | 2 | 2% |
| Debris from Construction | 2 | 2% |
| Damage by others not related to CS Const/Maint. | 2 | 2% |
| Pump Station Failure-Power | 1 | 1% |
| Pump Station Failure-Mechanical | 1 | 1% |
| Debris from Lateral | 1 | 1% |
| Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure | 1 | 1% |
| Total | 129 | 100% |

Sanitary Sewer Overflow (SSO) Spills (TOTAL COUNTS) – 1 March 2020 through 15 April 2020

| Office | Category 1 | Category 2 | Category 3 | Total |
|--------------|------------|------------|------------|------------|
| 5F | 0 | 0 | 5 | 5 |
| 5R | 2 | 0 | 3 | 5 |
| 5S | 14 | 1 | 104 | 119 |
| Total | 16 | 1 | 112 | 129 |

ATTACHMENT A

- 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

Sanitary Sewer Overflow (SSO) Spills (DETAILS) – 1 March 2020 through 15 April 2020

| REGION | AGENCY | Collection System | Spill Event ID | Spill Category | Spill Location | COUNTY | Did Spill Reach Surface Waters? (Yes/No) | Spill Volume (Gallons) | Volume that Reached Surface Waters (Gallons) | Spill Date | Spill Cause |
|--------|--------------------------------|-----------------------------------|----------------|----------------|-----------------|------------|--|------------------------|--|------------|----------------|
| 5S | Sacramento Area Sewer District | Sacramento Area Sewer District CS | 866031 | Category 1 | 264010 | Sacramento | Yes | 13,210 | 11,503 | 4/5/2020 | Root Intrusion |
| 5R | Red Bluff City | Red Bluff CS | 865935 | Category 1 | 1005 Jackson st | Tehama | Yes | 10,000 | 8,443 | 4/1/2020 | Root Intrusion |
| 5S | Sacramento Area Sewer District | Sacramento Area Sewer District CS | 866099 | Category 1 | 264381 | Sacramento | Yes | 1,507 | 1,479 | 4/10/2020 | Root Intrusion |
| 5S | Sacramento Area Sewer District | Sacramento Area Sewer District CS | 865998 | Category 1 | 263985 | Sacramento | Yes | 986 | 986 | 4/5/2020 | Root Intrusion |

ATTACHMENT A

| REGION | AGENCY | Collection System | Spill Event ID | Spill Category | Spill Location | COUNTY | Did Spill Reach Surface Waters? (Yes/No) | Spill Volume (Gallons) | Volume that Reached Surface Waters (Gallons) | Spill Date | Spill Cause |
|--------|---|-----------------------------------|----------------|----------------|---|------------|--|------------------------|--|------------|----------------------------|
| 5S | Sacramento Area Sewer District | Sacramento Area Sewer District CS | 865773 | Category 1 | 263083 | Sacramento | Yes | 925 | 707 | 3/10/2020 | Root Intrusion |
| 5S | Sacramento Area Sewer District | Sacramento Area Sewer District CS | 866181 | Category 1 | 264668 | Sacramento | Yes | 648 | 562 | 4/12/2020 | Root Intrusion |
| 5R | Mt Shasta City | Mt Shasta CS | 865351 | Category 1 | 625 Ski Bowl | Siskiyou | Yes | 540 | 540 | 3/4/2020 | Debris-General |
| 5S | Sacramento Area Sewer District | Sacramento Area Sewer District CS | 866160 | Category 1 | 264495 | Sacramento | Yes | 612 | 533 | 4/10/2020 | Grease Deposition (FOG) |
| 5S | Placer County Dept of Facility Services | SMD No/ 1 CS | 865746 | Category 1 | 3710 Christian Valley Rd / CCC Lift Station | Placer | Yes | 525 | 525 | 3/20/2020 | Pump Station Failure-Power |
| 5S | Sacramento Area Sewer District | Sacramento Area Sewer District CS | 865781 | Category 1 | 263108 | Sacramento | Yes | 502 | 480 | 3/17/2020 | Root Intrusion |
| 5S | Vacaville City DPW | Easterly CS | 865745 | Category 1 | 149 Auburn Way | Solano | Yes | 398 | 320 | 3/21/2020 | Debris-Rags |
| 5S | Sacramento Area Sewer District | Sacramento Area Sewer District CS | 866129 | Category 1 | 264414 | Sacramento | Yes | 202 | 192 | 4/10/2020 | Debris-General |

ATTACHMENT A

| REGION | AGENCY | Collection System | Spill Event ID | Spill Category | Spill Location | COUNTY | Did Spill Reach Surface Waters? (Yes/No) | Spill Volume (Gallons) | Volume that Reached Surface Waters (Gallons) | Spill Date | Spill Cause |
|--------|--|-----------------------------------|----------------|----------------|----------------------------------|------------|--|------------------------|--|------------|---|
| 5S | Folsom City - Environmental & Water Resources Dept | City of Folsom CS | 865650 | Category 1 | Oak Avenue Force Main ARV #1 | Sacramento | Yes | 200 | 125 | 3/18/2020 | Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure |
| 5S | Sacramento Area Sewer District | Sacramento Area Sewer District CS | 865455 | Category 1 | 262485 | Sacramento | Yes | 87 | 76 | 3/7/2020 | Debris-General |
| 5S | Sacramento Area Sewer District | Sacramento Area Sewer District CS | 865545 | Category 1 | 262791 | Sacramento | Yes | 41 | 10 | 3/11/2020 | Debris-General |
| 5S | Live Oak City | City of Live Oak CS | 865916 | Category 1 | 10392 N street Live Oak CA 95953 | Sutter | Yes | 10 | 5 | 3/25/2020 | Debris-General |
| 5S | Sacramento Area Sewer District | Sacramento Area Sewer District CS | 865893 | Category 2 | 263687 | Sacramento | No | 5,788 | 0 | 3/29/2020 | Debris-General |