

**EXECUTIVE OFFICER'S REPORT
22 APRIL 2021**

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

Patrick Pulupa, Executive Officer



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SUCCESS STORIES

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.

REDDING

LOVE'S TRAVEL STOP #410 (FORMER DUDLEY AND PETTY), CASE 520019, TEHAMA COUNTY

The Site operated as a truck stop between 1947 and 1983, dispensing diesel, gasoline, and petroleum-based lubricants from UST and aboveground storage tank (AST) systems. Truck stop operations resumed in 2004. Central Valley Water Board staff opened a UST case in 1988. Initial soil and groundwater investigations found free phase fuel, largely diesel with gasoline. Free phase petroleum was also found in on-site domestic wells. Extensive investigations and monitoring occurred between 1988 and 2017 and identified petroleum contamination to depths of 45 feet and extending off-site. Approximately 8,000 cubic yards of petroleum contaminated soil, containing an estimated 27,000 gallons of diesel, have been removed. Recoverable free product has been removed. Residual petroleum plume extents are stable to decreasing. On-site domestic wells have been decommissioned. Nearby residences have been connected to the City of Corning public water system. A deed restriction has been recorded to address the residual contamination and prevent installation of water supply wells on-site. Staff closed the case under the *Low-Threat Closure Policy* in March 2021. [Contact: Eric Rapport at (530) 224-4998]

FEDERAL NATIONAL MORTGAGE ASSOCIATION, CASE 470059, SISKIYOU COUNTY

In May 2019, a 550-gallon heating oil UST was removed from the residential property under county oversight. An unauthorized release of petroleum hydrocarbons was

detected in confirmation soil samples collected beneath the UST and the county referred the case to the Central Valley Water Board. Between February and August 2020, approximately 50 cubic yards of impacted soil was removed and disposed of offsite. Confirmation soil samples collected from the excavation indicate very little petroleum impacts remain. A grab groundwater sample contained low levels of petroleum constituents. Staff closed the case under the *Low-Threat Closure Policy* in February 2021. [Contact: Melissa Buciak at (530) 224-4854]

SITE CLEANUPS

SACRAMENTO

FEATHER RIVER MILLS, SITE CLEANUP PROGRAM, SUTTER COUNTY (T10000003059)

Remedial actions have been completed at the 6.5-acre Feather River Mills site at 400 Bridge Street in Yuba City in accordance with an approved Remedial Action Plan. During 2020, excavations were performed to remove soils and debris that contained antimony, arsenic, lead, total petroleum hydrocarbons, dieldrin, 44-DDT, and asbestos. A total of more than 22,000 tons of contaminated soil, burn debris, rail ballast, treated wood waste and asbestos-containing waste was excavated and transported to three permitted landfills. Groundwater monitoring at the site indicated all constituents were at or below applicable water quality objectives. A 20 October 2020 Remedial Action Completion Report was submitted that documents the abandonment of three monitoring wells, completion of the excavations, and disposal of contaminated soils and debris from the Site. The site received regulatory closure on 18 February 2021 following a 30- day public comment period and is currently undergoing redevelopment by the City of Yuba City.

AOI 2 - FUDS # J09CA0783, CHICO, BUTTE COUNTY

At the Chico Army Airfield, a formerly used defense (FUD) site, the last site requiring remedial action was issued a no further action (NFA) letter in February 2021. Soil excavation had removed the majority of heating oil impacted soil. The concentrations of total petroleum hydrocarbons that logistically could not be excavated did not pose a risk based on a site-specific risk assessment.

PORT OF STOCKTON, ROUGH AND READY ISLAND, SAN JOAQUIN COUNTY

A recent case file review by the Site Cleanup Program, Federal Facilities Unit, at the Port of Stockton identified 14 open sites that were classified as closed by the Port of **Stockton and the Department of Toxic Substances Control (DTSC)**. The sites had Final Preliminary Endangerment Assessment Reports (PEA)s that were completed in 2011 and reviewed by DTSC and Central Valley Water Board staff. The DTSC concurred with PEA recommendation of No Further Action (NFA) with Land Use Covenants (LUCs) recommendation in 2012. The DTSC also completed a Public Comment period for the NFA recommendation and no comments were received. These cases were closed on 18 March 2021.

REDDING

U.S. BANK TRUST NA, CASE SLT5R1105, SISKIYOU COUNTY

In May 2018, an unauthorized release was discovered after the county received a complaint about a leaking heating oil AST on a residential property. The 150-gallon AST leaked an unknown amount of kerosene into site soils. In July 2018, the AST was removed and contaminated soil was excavated to 7 feet below ground surface. In July 2019, soil, groundwater and soil vapor samples were collected during a site assessment. Elevated levels of diesel were detected in soil vapor. After the residence was demolished, a second excavation occurred in September 2020. Approximately 50 cubic yards of contaminated soil (75 pounds of kerosene) was removed by the two soil removal actions. Staff closed the case under the *Low-Threat Closure Policy* in January 2021. [Contact: Melissa Buciak at (530) 224-4854.

STAFF RECOGNITION

SUPERIOR ACCOMPLISHMENT AWARDS

SUPERIOR ACCOMPLISHMENT AWARD

At the February 18, 2021 Board Meeting, Executive Officer Pulupa presented Sustained Superior Accomplishment Awards to the following staff:

EMPLOYEE: CARLOS CERVANTEZ

UNIT: Title 27 Unit

LOCATION: Fresno Office

TITLE: Engineering Geologist

SUPERVISOR: Scott Hatton, Supervising Engineer

Carlos Cervantez is an Engineering Geologist in the Fresno office and has worked in the Title 27 Unit for 1.5 years. He began working full time in August 2015. He has been working very hard and has been hands on and eager to learn about all the construction requirements for Title 27 facilities. He recently reviewed the closure design plans for a landfill. He also finished reviewing the design and geologic reports for a different landfill and discovered a potential release after excessive data review and has reviewed their alternative demonstration report.

He assisted with the review of a 2,000-page Construction Quality Assurance report, which includes the slope failure at the site from last summer, all while learning the applicable regulations for his job.

He always has a great attitude, is easy to work with, and is eager to learn and help out on other staff's projects. He has been a great help to the unit when it comes to "filling-in" for staff to conduct site inspections.

Carlos has also helped with some of his former position's industrial stormwater activities until that vacancy can be filled. Carlos is a team player and very worthy of this award. Congratulations Carlos. Enter Normal Paragraph Text>

EMPLOYEE: JANELLE BROWN

UNIT: NPDES Permitting/Administration

LOCATION: Rancho Cordova Office

TITLE: Associate Governmental Program Analyst

SUPERVISOR: Brett Braidman, Staff Services Manager I

This Superior Accomplishment Award (SAA) is to be awarded to Janelle Brown, whose tireless dedication in so many areas has helped the Central Valley Waterboard maintain excellence in Board Meeting preparation, the production of multiple Virtual Board Meetings in 2020, the production of the Executive Officer's Report, compliance to ADA specifications for applicable documents, and her coordinating of many lab sampling events for the Rancho Cordova office.

The truth is that Janelle can receive the SAA based on her incredible work ethic and high capacity to achieve alone. But, Janelle's excels at so much more. Her work product is superior, her sense of pride and dedication to her work is off the charts, and Janelle is continually searching for ways to improve her work product in every area. I believe I can speak for Kelli Garver, Patrick Pulupa and EMG when I state that Janelle has been an incredibly valuable asset for the Central Valley Waterboard during this challenging year of 2020. It often gets over-stated, but the phrase we wouldn't have been as successful without Janelle speaks volumes of truth. The virtual board meeting success would be less so without Janelle's valuable contributions in this area.

Additionally, the value Janelle has brought to being a guru of ADA compliance has been enormously beneficial to Region 5's Rancho Cordova office. She has trained multiple staff on how to make their documents ADA complaint. Also, Janelle's incredible lab background has enabled her to continue to be an asset to Region 5 program areas, who use this valuable lab contract to test on a routine basis. Moreover, much of Janelle's work over the last year has meant doing new tasks and stepping into help Region 5 function smoothly. Without Janelle's ability to do this, Region 5 would not have enjoyed the same success. In conclusion, Janelle's incredible work effort, work ethic, and positive attitude has been critical to the success of Virtual Board Meetings, EO Reports, ADA work and lab sampling events for Region 5. We are very fortunate to have Janelle working at the Central Valley Waterboard and she is well deserving of this award.

EMPLOYEE: MIKE NILSEN

UNIT: NPDES Unit

LOCATION: Redding Office

TITLE: Water Resource Control Engineer

SUPERVISOR: Jeremy Pagan, Senior Water Resource Control Engineer

Mike Nilsen is a Water Resource Control Engineer working in the NPDES Unit of the Central Valley Water Board's Redding Office. Mike manages a complex and demanding

case load of wastewater treatment plants. The Central Valley Water Board is happy to select Mike for the Superior Accomplishment Award for his excellent work. Specifically, his efforts in resolving a longstanding enforcement case, overseeing multiple wastewater treatment plant upgrade projects, and his contributions to high level programmatic work.

Mike spent more than a year working with a small city through settlement negotiations to resolve permit violations including a substantial 2+ million gallon sewage spill from their collection system as well as numerous effluent limitations subject to mandatory minimum penalties. The result of Mike's effort was a settlement package with total liability exceeding \$1 million dollars, with some money going towards repairs of the City's collection system, some to upgrades of their wastewater treatment plant, and some to the State Water Board's water pollution cleanup and abatement account. The settlement was issued in October 2020.

Additionally, Mike is doing a tremendous job ushering along several wastewater treatment plant upgrade projects. One particular example is another small city that unexpectedly faced a significant construction funding shortfall in 2020, but thanks to Mike's persistence, quick action, and good working relationship with the City and State Water Board Division of Financial Assistance, the City received an additional \$2 million in grant funding and a reduction in the interest rate on their loan to zero percent. The City should now be on track to begin construction in 2021.

Mike is also playing an instrumental role in revamping the NPDES Program's Permit Writer's "Matrix" - which is our programmatic tool to help promote consistent implementation of regulatory approaches in NPDES permits throughout the region. For these reasons and so much more, we're happy to provide Mike with this well-earned recognition, his efforts are very much appreciated!

SUPERIOR ACCOMPLISHMENT (TEAM) AWARD

The Superior Accomplishment (Team) Award was presented to the following staff:

EMPLOYEE: WALT PLACHTA, CINDY AU-YEUNG, TRUE KHANG, JENNIE FULLER, ERIC WARREN

UNIT: CV-SALTS

LOCATION: Rancho Cordova Office

TITLE: Various

SUPERVISOR: Various

Last year, Basin Plan Amendments became effective and implementation commenced on a region-wide Salt and Nitrate Control Program. As a condition of their approval, State Water Board also directed staff to develop a basin plan amendment to revise certain portions of the program within 12 months of the program's effective date. These simultaneous efforts have impacted almost every Board program and have required a tremendous amount of coordination and oversight by the staff members receiving this award today. Staff working on the implementation effort poured through thousands of

permittee records from CIWQS to create a database that could be used for generating the Notice to Comply letters for both the Salt and Nitrate Control Programs. In addition, they developed a variety of protocols, permit revisions, templates and procedures to ensure a consistent and efficient roll-out of the CV-SALTS program. Staff also participated in a multitude of meetings and provided timely follow-up to hundreds of phone calls and emails from both internal and external stakeholders. At the December 2020 Board Hearing, revisions to the CV-SALTS program were adopted by the Central Valley Water Board, thus meeting the deadline set by State Water Board. Walt, Cindy, True, Jennie and Warren are valued staff members of the Central Valley Water Board and have been critical to the success of the CV-SALTS program. The CV-SALTS program could not have met its goals and milestones without their hard work and dedication. We are fortunate to have them working at the Central Valley Water Board and they are well deserving of this award.

EMPLOYEE RECOGNITION AWARDS JANUARY THROUGH MARCH 2021

EMPLOYEE: YARED KEBEDE

UNIT: Irrigated Lands Regulatory Program

LOCATION: Rancho Cordova Office

TITLE: Environmental Scientist

SUPERVISOR: Susan Fregien, Senior Environmental Scientist Supervisor

Yared Kebede is being recognized for his superior work in the Irrigated Lands Regulatory Program. Recently, Yared performed detailed statistical analyses of nitrogen data submitted by Central Valley farmers via the coalition groups. His evaluation and results were important to verify the accuracy and completeness of the nitrogen applied and removed data. Yared's work identified data quality concerns that were shared with Coalitions to improve the quality of future data sets. Yared's work also provides an understanding of the large variability in nitrogen fertilizer applications and nitrogen uptake among crops. This will help the ILRP to prioritize crops with the highest potential for leaching nitrate to groundwater.

Additionally, Yared developed a map-based GIS dashboard for the ILRP's surface water quality monitoring data. Users can interactively view summary information across the Central Valley Region or a Coalition group. Users can also drill down to view site-specific monitoring results, including exceedances of water quality trigger limits. This tool will be useful for a variety of users.

Yared very much deserves this award for all his excellent work in support of the ILRP.

EMPLOYEE: MICAELA BUSH

UNIT: Pesticide TMDL

LOCATION: Rancho Cordova Office

TITLE: Water Resource Control Engineer (WRCE)

SUPERVISOR: Danny McClure, Senior WRCE

Micaela is a Water Resource Control Engineer in the Pesticide TMDL Unit in the Planning Section. Since joining the Board in January 2020, her main project has been working with Janis Cooke on the Delta Nutrient Research Plan, constructing a nutrient mass balance for the Delta.

Starting in July 2020, Micaela has also assisted the Integrated Report Team on the 2020/2022 Integrated Report. She developed an R script that automated Lines of Evidence based on thousands of rows of data assessed according to Region 5 Basin Plan objectives. Without Micaela's knowledge and expertise associated with the R program, Integrated Report staff would have had to write hundreds of Lines of Evidence by hand. Not only did Micaela save staff time on the current cycle, but she also has created a script that can be utilized during future Integrated Report cycles.

Micaela takes on her projects with enthusiasm, maintains great working relationships with team members and external collaborators, and applies innovative solutions which make the Board's work more efficient. For these reasons Micaela is well deserving of the February Employee of the Month Award.

EMPLOYEE: GREG ISSINGHOFF

UNIT: Irrigated Lands Regulatory Program

LOCATION: Fresno Office

TITLE: Engineering Geologist

SUPERVISOR: David A. Sholes, Senior Engineering Geologist Supervisor

Greg is always professional when interacting with consultants, coalition leads, other staff, and responsible parties for his projects. He has an excellent attitude and has taken on additional projects for multiple grower coalitions when two staff vacancies have required flexibility in work assignments. Greg is a productive and professional employee. During the previous month Greg completed the following, with multiple other works in progress:

- Reviewed the Kern Coalition's annual monitoring report for completeness.
- Prepared a letter discussing the Kern Coalition's metrics to identify outliers in its evaluation of nitrogen applications.
- Reviewed a letter regarding the occurrence of copper in Chanac Creek.
- Drafted a response to a request for reducing monitoring along the Kern River.
- Drafted a response to a source identification study for inorganic constituents that are naturally occurring in surface waters.
- Drafted a response to the Westlands Coalition's surface water and groundwater management plan updates.

Greg also contributed to programmatic discussions related to CV-SALTS revisions to Irrigated Lands Regulatory Program Orders, groundwater protection formula review, and a quarterly update with the Westlands Coalition.

Greg is deserving of the Employee Recognition Award based on his work, attitude, and willingness to adapt during these unusual times.

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 Regional 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 January 2021 through 28 February 2021**

Action Date	Agency	County	Notes
01/19/21	Terborg Property	Shasta	ACL R5-2020-0510 in the amount of \$198,352 for failure to comply with the requirements of Cleanup and Abatement Order R5-2016-0716.
02/05/21	City of Biggs WWTP	Butte	Stipulation for Entry of Administrative Civil Liability Order (Stipulated Order or Order) R5-2020-0556 in the amount of \$153,000 addresses MMP effluent limitation violations. The Discharger is considered eligible for a Compliance Project (CP) because the Facility is a POTW serving a small community with a financial hardship. The penalty will be permanently suspended pending completion of the compliance project. The goal of the CP is to convert the existing facility from surface water discharge to land disposal because the Discharger has not been able to consistently meet effluent limits and permit requirements for surface water discharge.
02/18/21	California Department of Corrections	Amador	Stipulation for Entry of Administrative Civil Liability Order (Stipulated Order or Order) R5-2021-0001 in the amount of \$2,500,000 addresses violations of the Clean Water Act and discharging without a

Action Date	Agency	County	Notes
	and Rehabilitation		permit. The Order includes two Enhanced Compliance Actions (ECAs), which suspend \$894,189 of the total penalty. This portion of the penalty will be permanently suspended pending completion of the ECAs. The goal of the ECAs is to upgrade the irrigation system at Mule Creek State Prison and conduct a study to characterize the microbiological quality of the Mule Creek State Prison storm water collection system discharges and any effects these discharges have on Mule Creek water quality. The remaining \$1,605,811 will be paid to the State Water Board's Cleanup and Abatement Account.
02/25/21	Sacramento Regional WWTP	Sacramento	ACL R5-2020-0563 in the amount of \$3,000 addresses MMPs for an effluent limit violation. EPL converted to an ACL upon execution by the Central Valley Water Board's Executive Officer.

ENFORCEMENT UPDATE

Enforcement Table 2 below summarizes the enforcement actions issued in all Regions for the period between 1 January 2021 through 28 February 2021. From a statewide perspective, Region 5 is responsible for 51% of the enforcement actions tracked in CIWQS during this period including 30% of all ACLs, 96% of all NNCs and 12% of all NOV's.

**Enforcement Table 2 – Statewide Enforcement Actions in CIWQS
1 January 2021 through 28 February 2021**

Region	NNC	ACL	EPL	NOV	SEL	TSO	VER	Total
1	0	0	1	10	0	0	0	11
2	0	1	0	0	0	0	1	2
3	0	2	1	1	1	0	0	5
4	3	2	6	115	0	8	3	137
5F	177*	0	0	4	0	0	16	197
5R	0	2	0	1	0	0	1	4
5S	2	1	0	13	1	0	8	25
Region 5	179	3	0	18	1	0	25	226
6T	0	0	0	0	0	0	0	0
6V	0	1	0	1	2	0	2	6
7	0	0	1	0	0	0	0	1
8	5	0	2	1	25	0	10	43
9	0	1	0	5	2	0	0	8
Total	187	10	11	151	31	8	41	439

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
- CAO - Cleanup and Abatement Order
- EPL - Expedited Payment Letter
- ACL - Administrative Civil Liability
- NTC - Notice to Comply

STATEWIDE ENFORCEMENT ACTIONS BY REGION

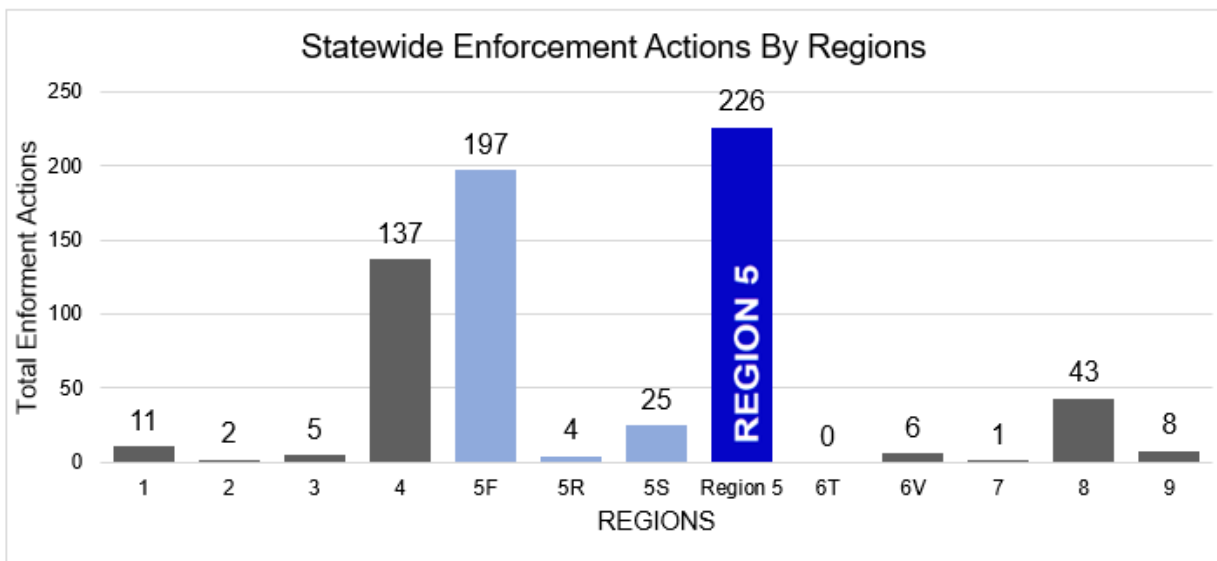


Figure 1: Enforcement Actions: Statewide Enforcement Actions recorded in CIWQS

In addition to the above, the following enforcement actions were recorded in GeoTracker and not in CIWQS:

**Enforcement Table 3 - Region 5 Enforcement Actions in GeoTracker
1 January 2021 through 28 February 2021**

Region	13267 Order	NOV	Warning Letters	Staff Letter	Total
5F	1	4	1	49	55
5R	0	1	0	13	14
5S	0	5	0	55	60
Total	1	10	1	117	129

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 January 2021 through 28 February 2021, a summary of those enforcement actions is included in Table 4 below.

Enforcement Table 4 – Region 5 ILRP Enforcement Actions (1 January 2021 through 28 February 2021)

Region	Water Code Section 13260 Letters/ Directives for Failure to Enroll in ILRP	Reminder Letters for late Annual Reports	NOVs for Failure to Submit Annual Reports (Farm Evaluations and Nitrogen Management Plan Summary Report)	Total
5F	0	0	0	0
5R	0	0	0	0
5S	162	313	77	552
Total	162	313	77	552

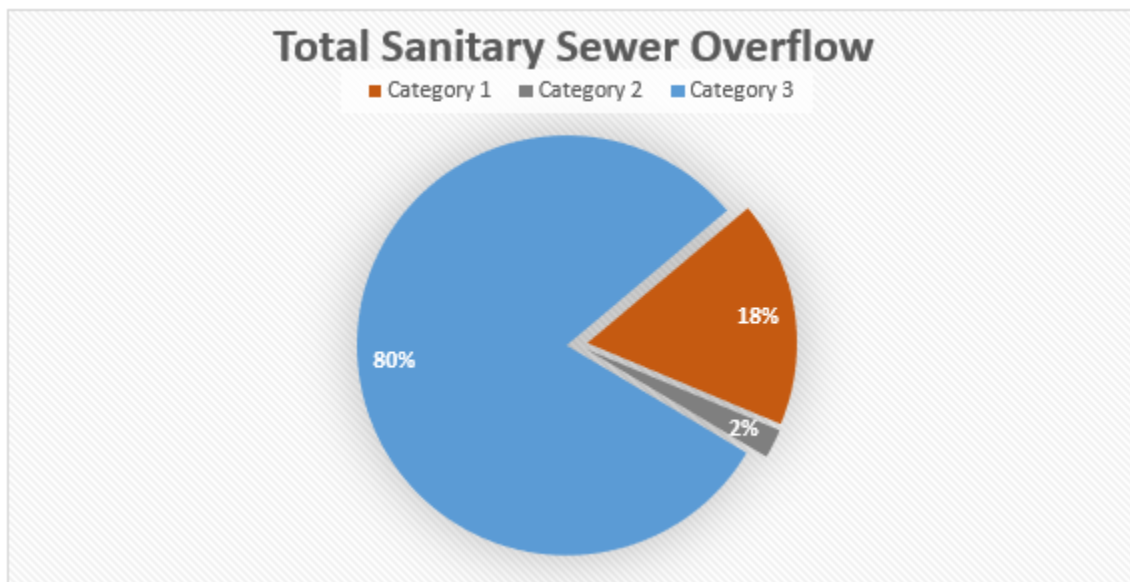
SANITARY SEWER OVERFLOWS (SSOS) AND COMPLAINTS

Statewide General Waste Discharge Requirements for Sanitary Sewer Systems (SSS General Order) 2006-003-DWQ requires enrollees to submit a 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 January 2021 through 28 February 2021, there was one reported SSO incident in which 50,000 gallons or greater spilled reached surface water.

Sacramento Sewer Area Collection System, Sacramento Sewer Area District, Sacramento County

On January 18, 2021, the Central Valley Water Board (Water Board) was notified by California Office of Emergency Services (Cal-OES) report # 21-0278 that a sanitary sewer overflow (SSO) of 489,494 gallons occurred at the Sacramento Area Sewer District (SASD) RCCP Pump Station S012, located adjacent to 12250 Bruceville Road

in Elk Grove. The overflow started on 16 January 2021 at 19:38 and continued intermittently until 18 January 2021, at 15:00 when Pump Station S012 was shutdown. The SSO was caused by a failed coupling on a temporary repair on the force main that conveys untreated wastewater from the pump station. Sewage from the force main overflowed into a roadside ditch and traveled approximately 560 feet upstream and 4,050 feet downstream of the overflow point before discharging into an unnamed tributary to the Mokelumne River. Approximately 10,400 gallons was discharged to land and 479,094 gallons was discharged into the storm drain/roadside ditch (MS4) system. Approximately 379,232 gallons reached surface water.



**Figure 2: Central Valley Sanitary Sewer Overflow Summary
1 January 2021 through 28 February 2021**

For the reporting period between 1 January 2021 through 28 February 2021, there were 178 total SSO spills: 31 Category 1, 4 Category 2, and 143 Category 3 spills. Categories are described as:

- 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

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).

Sewage collection agencies report SSOs in the State Water Board's CIWQS database pursuant to the requirements of SSS General Order.

COMPLAINTS AND OTHER WATER QUALITY THREATS OR IMPACTS COMPLAINTS

Central Valley Regional Board staff are responsible for responding to complaints related to water quality within the Central Valley Region as they are received. From 1 January 2021 through 28 February 2021, Central Valley Water Board staff have received a total of **32 complaints** from phone calls, emails, and from the [CalEPA Complaint database](#)

(<https://calepacomplaints.secure.force.com/complaints/>).

To date, 29 (90%) of complaints have been investigated and closed or referred to other environmental enforcement agency. Investigations for three 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 payments under MMP ACLs goes to the State Water Pollution Cleanup and Abatement Account (CAA). However, if certain criteria are met, the Board may accept the completion of compliance project, supplemental environmental project, or enhanced compliance action in lieu of all or a part of the penalty. 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.

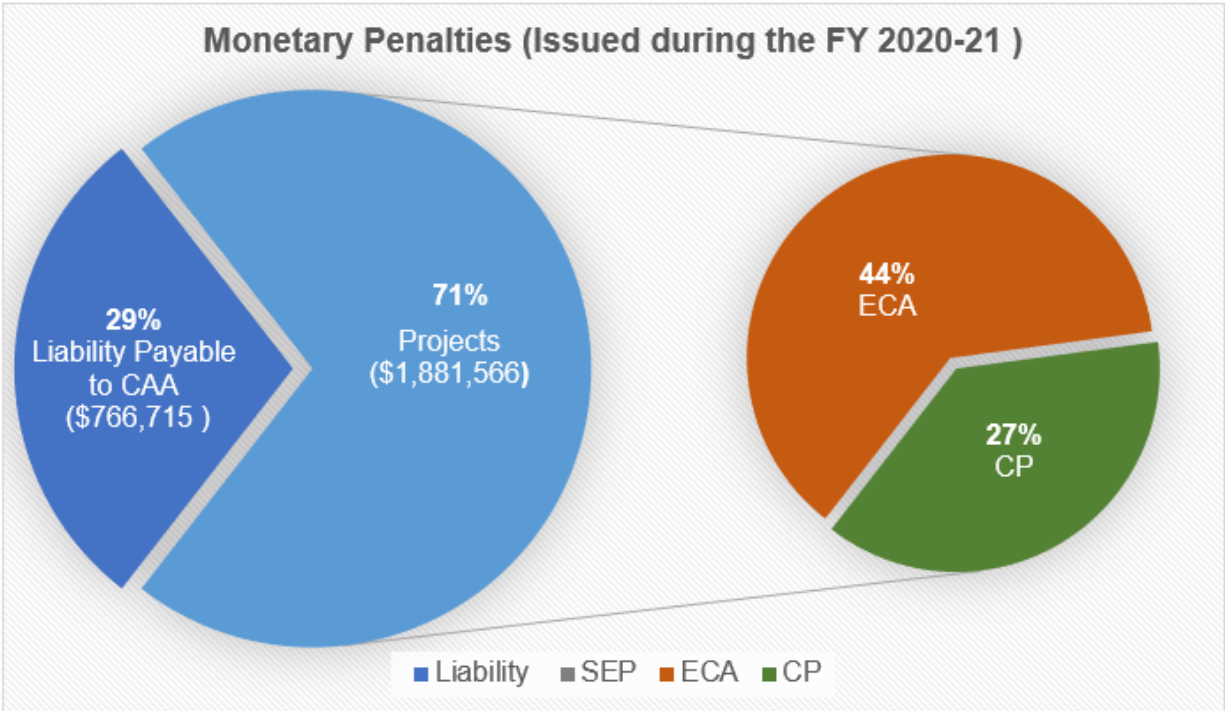
SUPPLEMENTAL ENVIRONMENTAL PROJECT (SEP)

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 2020 through 28 February 2021, the chart below summarizes total monetary penalties that were issued by the Central Valley Water Board. A total of \$2,648,281 in monetary penalties (Liability payable to CAA, CP and SEP) were issued during this period, of which \$708,000 was allocated for CPs and \$1,173,566 was allocated for ECAs (see Figure 3 below).



**Figure 3: Region 5 – Total Monetary Penalties issued
1 July 2020 through 28 February 2021**

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)

and was used to develop the FY 2019-2020 performance targets below is the Central Valley Water Board’s Performance Measurement Summary for the 2019-2020 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 2020 THROUGH 28 FEBRUARY 2021**

NPDES Wastewater – Table 5a.

Programs	Original Target	Facilities Inspected	% Complete = Actuals/ Original Target	Revised Target	Total # of Inspections Performed
Major Facilities Inspected	29	3	10%	NA	3
Minor Facilities Inspected	9	2	22%	NA	2

Waste Discharge to Land – Wastewater – Table 5b.

Programs	Original Target	Facilities Inspected	% Complete = Actuals/ Original Target	Revised Target	Total # of Inspections Performed
Stormwater Construction Inspections	385	281	83%	NA	318
Stormwater Industrial Inspections	195	167	88%	NA	172
Stormwater Municipal Inspections	0	28	NA	NA	33

Land Disposal – Table 5c.

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	70	58%	NA	87

NPDES Storm Water – Table 5d.

Programs	Original Target	Facilities Inspected	% Complete = Actuals/ Original Target	Revised Target	Total # of Inspections Performed
Landfill Inspections	113	40	40%	NA	45
All Other Inspections	23	15	109%	NA	25

Other Programs – Table 5e.

Programs	Original Target	Facilities Inspected	% Complete = Actuals/ Original Target	Revised Target	Total # of Inspections Performed
Forest Activities Inspections	166	176	111%	NA	184
Confined Animal Facility Inspections	275	128	49%	NA	136

ENFORCEMENT TABLES 6 - REGION 5 CLEANUP ACTION SUMMARY FROM 1 JULY 2020 THROUGH 28 FEBRUARY 2021

Cleanup – Table 6

Programs	Original Target	Actuals: Permits or Issued	% Complete = Actuals/ Original Target	Revised Target	Total # of Permits Issued
New DoD Sites into Active Remediation	5	0	0%	NA	NA
New SCP Sites into Active Remediation	40	6	15%	NA	NA
Cleanup Program Sites Closed	41	19	46%	NA	NA
New UST Sites into Active Remediation	25	3	12%	NA	NA
Underground Storage Tank Sites Closed	68	33	49%	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). 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](#) 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>).

A second Review Panel is reviewing the remaining open water modeling and tidal wetlands reports and will submit a report on those studies in March 2021. Board staff will use information from these studies and recommendations from both Panels to consider revisions to the DMCP.

Board staff met with dischargers to discuss the control study reports and to obtain clarification information and anticipate issuing letters of compliance with the DMCP for all studies. A one-day virtual meeting for methylmercury control study participants summarizing control study findings to-date and related impacts to the DMCP was held on 10 September 2020.

On 24 February 2021, Board staff conducted a virtual public workshop and CEQA scoping meeting. Representatives from various stakeholder groups, including wastewater, stormwater, irrigated agriculture, as well as state and federal agencies attended and provided verbal comments. Tribal representatives were also present. Four entities submitted written comments that will be considered throughout the development of the DMCP Review and included within the administrative record.

More information on the DMCP, including the CEQA scoping presentation slides and recording, can be found on the [DMCP website](#) here:

(https://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/delta_hg/)

DELTA REGIONAL MONITORING PROGRAM (DELTA RMP)

Board staff attended Delta RMP meetings, including Technical Advisory Committee (TAC) and Steering Committee meetings as well as other smaller meetings to provide support for program implementation. The current Implementing Entity, the Aquatic Science Center, has informed the Central Valley Water Board that it does not plan to

continue managing the Delta RMP after June 2021. Modifications to the governance structure, program structure, and implementing entity will require approval by the Central Valley Water Board.

On 12 January 2021, the Executive Officer provided a letter to the Steering Committee clarifying expectations for the timing of governance decisions and implementation of the new RMP program by January 2022. To meet the Executive Officer's request for the Delta RMP to submit a program governance plan by 1 April 2021, the Governance Subcommittee presented a revised plan and timeline at the 26 January 2021 Steering Committee meeting. The Steering Committee directed the Governance Subcommittee to retain legal counsel to begin to set up a new 501(c)3 nonprofit organization that would implement the RMP. The Delta RMP has drafted initial legal documents including the Articles of Incorporation and draft Bylaws for the development of the new nonprofit. At the 18 March 2021 Steering Committee meeting, the Governance Subcommittee presented a draft governance and program structure to the Delta RMP Steering Committee and a meeting will be convened in April to finalize the Bylaws.

On 1 February 2021, the Delta RMP TAC met to discuss revisions for the draft FY20/21 Quality Assurance Program Plan and the Toxicity Data Management Standard Operating Procedures documents. Board staff also reviewed draft mercury data reports, a draft pesticides and toxicity interpretive report, and a draft nutrients report utilizing high resolution mapping survey data. The Contaminants of Emerging Concern Subcommittee held two meetings in March to discuss monitoring completed to date, data management, and planning for Year 2 monitoring in 2021-22. The Mercury Subcommittee also met to discuss monitoring in the next fiscal year as well as review the draft 3-year Mercury Interpretive Report.

DELTA NUTRIENT RESEARCH PLAN

The Delta Nutrient Research Plan (approved by the Central Valley Water Board in August 2018) identifies information gaps for determining need and potential scope of water quality objectives for nutrients in the Delta. Implementation is ongoing and includes special studies, monitoring, and modeling to fill the information gaps.

STATUS OF DELTA NRP IMPLEMENTATION ACTIVITIES

- Board staff are part of a project team that is monitoring cyanotoxins in water and sediment organisms in the Delta. The 2-year project, which is funded by a Proposition 1 Grant, began sampling in August 2020. Board staff are participating in project tracking, reporting, and data management.
- Board staff continue to develop mass load estimates of nitrogen and phosphorous in the Delta. This work will update and extend previously published load estimates and will cover the period 2010-2019.
- Development of a biogeochemical model depicting nutrient transport and transformations and phytoplankton growth and loss continued. Board contract

funding for this project ended in March 2021. Work will continue through summer with funding from the Delta Regional Monitoring Program.

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 13 January through 23 March 2021, there were no excursions below the dissolved oxygen water quality objective in the channel and operation of the aeration facility was not necessary.

[Real-time dissolved oxygen data for the DWSC](#) can be found at:

(<https://cdec.water.ca.gov/dynamicapp/QueryF?s=SDO>)

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)

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

On 15 June 2020, the Department of Water Resources (DWR) submitted a draft report detailing the temporary barriers' effects on dissolved oxygen in Old and Middle Rivers to meet a requirement of the 401 Certification. Board staff reviewed the draft DWR report, provided feedback to DWR, and met with DWR to discuss the report on 11 February 2021. DWR is currently revising the report based on feedback from Board staff.

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 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 2020. Board staff reviewed those Management Plans and provided comments to the dischargers. The final versions of the Management Plans were approved in March 2021.

On 15 July 2020, Board staff sent orders under Water Code sections 13267 and 13383 (Orders) to Municipal Separate Storm Sewer System (MS4) permittees in the Sacramento and San Joaquin Rivers Basins specifying requirements for baseline monitoring under the Control Program for Pyrethroid Pesticide Discharges. Under these Orders, Phase I MS4 permittees were required to submit draft Baseline Monitoring Plans by 1 December 2020. All the Phase I MS4 permittees have complied with the Orders and submitted draft Baseline Monitoring Plans, and those plans are being reviewed by Board staff.

Phase II MS4 permittees under the program had the option to either 1) submit Baseline Monitoring Plans by 28 February 2020, or 2) acknowledge the existing data are assumed to be representative of their discharge, forego baseline monitoring, and prepare a Pyrethroid Management Plan due to the Board by 19 August 2021. The Phase II MS4 permittees were also required to submit a statement of intent by 31 August 2020 describing which option they selected to comply with the Order. All the Phase II MS4 permittees have responded to the Orders with a statement of intent, most intend to submit Pyrethroid Management Plans.

Fifteen (15) Phase II MS4 permittees selected the baseline monitoring option. Under the Orders, these permittees were required to submit a draft Baseline Monitoring Plan by 28 February 2021 and are required to complete one (1) year of baseline monitoring by 21 June 2022. Ten (10) of these Phase II MS4 permittees submitted draft Baseline Monitoring Plans by 28 February 2021, and those plans are being reviewed by Board staff.

Five (5) of the Phase II MS4 permittees that selected the baseline monitoring option have requested extensions of the due date. Four (4) of these permittees were granted forty-five (45)-day extensions and are expected to submit draft Baseline Monitoring Plans by 14 April 2021. Board staff are in discussion with the one (1) remaining Phase II MS4 permittee with an overdue Baseline Monitoring Plan that has not yet been granted an extension.

Board staff continue to work with wastewater and agricultural dischargers under the program to ensure success to meet the baseline monitoring requirements in the Control Program for Pyrethroid Pesticide Discharges.

More information can be found on the [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) at:

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

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” or TBUs). In addition, the State Water Board also defined a beneficial use for Subsistence Fishing (SUB) unrelated to California Native American Tribes (though it can be used by Tribal members, as applicable). The SUB and T-SUB beneficial uses relate to the risks to human health from the consumption of fish or shellfish. The definition for CUL also includes consumption of aquatic resources to support cultural, spiritual, ceremonial, and traditional rights. 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.

Board staff has continued participation in the internal TBUs Working Group, which has representatives from the nine Regional Water Boards and several divisions within the State Water Board (including the Office of Chief Counsel, Office of Public Participation, Division of Water Quality).

Board staff have begun drafting a Basin Plan Amendment to add the TBU definitions to the Basin Plans in 2021.

With respect to developing a process for waterbody designations, Board staff had conversations with Tribes that commented on the 2018 Triennial Review in favor of the TBU project. This input has helped in shaping a proposed process for making highest and best use of staffing resources and the administration’s priority on Tribal issues.

Staff held two Tribal Summits in March on this topic, attended by Board Chair Longley and Board Member Bradford. Between the two Summits we had more than 70 individual attendees, and a number of other Board staff. The Summits were held to get input regarding the kind of outreach, process, and timeline that would most benefit Tribal members and their governments. Staff received comments on these topics as well as others, and the robust Tribal participation demonstrated Tribes’ continued interest in the designation of TBUs throughout the Central Valley region.

Board staff also developed a website (see below) and a Central Valley TBU list serv. Next steps include a public outreach meeting scheduled for 28 April 2021, bringing an information item to the Board in June, and, pending feedback from Tribes, the public,

and Board members, beginning the process of TBU designations in July of this calendar year.

More information can be found on the [Tribal Beneficial Uses](#) website at:

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

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 the project, Board staff met with the Modoc Resource Conservation District (MRCD) and Pit River Tribe beginning in the Fall of 2019 through early 2020. Through these meetings, stakeholders and Board staff determined the priorities for the program were to gather the available temperature-related water quality data, to identify if data gaps exist and to determine if additional data is needed through a field effort. The MRCD and Pit River Tribe members agreed to continue discussions on this topic by holding future meetings. Board staff continue to facilitate meetings and discussions, as needed, or requested.

2021 TRIENNIAL REVIEW

The Triennial Review consists of the Board's solicitation of public comments on water quality issues in the Central Valley that may need to be addressed through basin plan amendments, and the preparation of a prioritized workplan for both Basin Plans. The workplan describes the actions the Board may take over the next three years to investigate and respond to these issues. The Board's solicitation process includes providing an opportunity for interested persons to provide written comments to the Board. On 22 March 2021, Board staff issued the [2021 Triennial Review Solicitation Notice](#)

(https://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/triennialreviews/2021_tr_not.pdf)

and comments need to be received by 8 May 2021. After the Board receives public input, the Board develops and adopts a prioritized work plan that is used to direct basin planning efforts over the next three years. Though the list of issues raised through the public solicitation process typically far exceeds available resources, the Triennial Review helps the Board identify areas where the Board may pursue additional resources to address areas where existing resources are not sufficient. Board staff intend to bring the 2021 Triennial Review Workplan to the Central Valley Water Board for adoption in December 2021.

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. The Amendment development is focused first on wadeable streams, followed by lakes and reservoirs and then estuaries. Following adoption of the Toxicity Policy, State Water Board staff resumed work on a draft biostimulatory substances amendment for wadeable streams to be released in 2021. Board staff are working with the Southern California Coastal Water Research Project to evaluate in detail the data and biostimulatory factor relationships in human-impacted streams and lakes and reservoirs in the Central Valley.

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 participated in a three-part discussion with Water Rights staff and various stakeholders, including state and federal agencies and academic researchers, on temperature studies. Water Rights will be working on the next steps identified during these meetings and will coordinate with Board staff.

SALINITY AND CV-SALTS

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

The CV-SALTS Central Valley-wide Salt and Nitrate Management Plan (SNMP) was completed and submitted to the Board on 12 January 2017. A resolution acknowledging receipt of the SNMP and directing 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_mgmtplan/)

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_bp)

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), which was on 15 January 2020. The SNCP 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 were approved by the USEPA on 2 November 2020. Basin Plan amendments adopted by the Central Valley Water Board on 10 December 2020 in [Resolution R5-2020-0057](#). The resolution can be found here:

(https://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/resolutions/r5-2020-0057_res.pdf)

The State Water Board posted a [Notice of Public Comment](#) for the revisions with a due date of 5 April 2022. The notice can be found here:

(https://www.waterboards.ca.gov/board_info/calendar/docs/2021/april/notice_r5_salnitrate.pdf)

The Notice to Comply letters for the Nitrate Control Program were sent out to Priority 1 permittees on 29 May 2020. Since that time, six Management Zones have formed to cover the six high priority sub-basins. The Central Valley Water Board is currently accepting written comments on the Preliminary Management Zone Proposals (PMZPs) and Early Action Plans (EAPs) that were submitted by the Priority 1 Management Zones on 8 March 2021 to comply with the Nitrate Control Program. Written comments on these plans must be submitted to the Central Valley Water Board no later than 14 April 2021. [PMZPs and EAPs](#) can be found here:

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

As required by the Nitrate Control Program, EAP implementation to provide safe drinking water to impacted communities is scheduled to begin on 7 May 2021. Notice of Intent documents from permittees not listed in the PMZPs as management zone participants are also due 7 May 2021. Notice to Comply letters for the Salt Control Program were sent out on 5 January 2021. Notice of Intent forms are due on 15 July 2021. More information about the [SNCP](#), can be found at:

(<https://cvsalts.info>)

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 Water Board hearing to consider approval of the Basin Plan Amendment was held on 10 July 2018. State Water Board members deferred their decision on the amendments to a future date. Board staff continue to work with State Water Board staff to address questions and concerns that were raised during the 10 July 2018 hearing and have developed 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 last MAA meeting to discuss ongoing activities supporting the San Joaquin River Real Time Management Program activities (RTMP) was held on 15 March 2021. USBR's FY20/21 Work Plan was accepted by the Central Valley Water Board's Executive Officer in September 2020. USBR's 2020 Annual Report was submitted to the Central Valley Water Board in December 2020. [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. This effort is in conjunction with a coordinated stakeholder study to collect DNA source identification samples and characterize the contributing sources of E. coli to the river. Sampling for Phase 1 of the study was completed in September 2020 and included ten sites on the American River and two urban runoff locations. An initial review of the data indicates that birds are the most consistent source of contamination in this reach. The DNA marker for birds was detected in 80% of the samples, while the marker for dogs was detected in 27% of samples and for humans in 9% of samples. Monitoring for Phase 2 of the study is scheduled to begin in July 2021 and will focus on the river reach from Sutter's Landing Regional Park downstream to the confluence with the Sacramento River.

SUMMER 2020 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 completed their monitoring studies for the 2020 season, which include popular recreational spots in and around the Delta, the upper San Joaquin River and the lower Kings River watersheds.

Monitoring began in June 2020 and ran through September 2020. Staff are currently developing plans for the 2021 season.

[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/).

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/>) was developed and is located on the California Water Quality Monitoring Council's [My Water Quality webpage](#). (<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.

WINTER 2021 – CENTRAL VALLEY BLOOMS

Cyanobacteria blooms typically occur from summer through late fall when temperatures are at their highest. 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 from 15 January 2021 to 19 March 2021 is provided in Table 2.

Table 2. Cyanobacteria Bloom Summary: 15 January 2021 to 19 March 2021

Category	Count
Number of Suspected Blooms Investigated since previous EO Report	4
Number of Confirmed Blooms* since previous EO Report	0
Number of Continuing Blooms* from previous EO Report	0
Number of Distinct Water Bodies with Confirmed Blooms since previous EO Report	0

Category	Count
Number of Human Illnesses Reported since previous EO Report (under investigation)	0
Number of Animal Impacts Reported since previous EO Report (under investigation)	1**

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

**Animal impact was a reported dog illness at Brannan Island State Recreation Area (3 Mile Slough), Sacramento County. Board staff performed a field investigation of the site and no visible planktonic cyanobacteria was observed.

FOREST ACTIVITIES PROGRAM

PROJECTS

Central Valley Water Board staff continue to collaborate with Lahontan Water Board staff in the development of a single permit for each region for certain activities conducted by the U.S. Forest Service and the Bureau of Land Management with the potential to result in nonpoint source discharges. A CEQA scoping meeting combined with a public meeting was held for each region in early April (Lahontan – April 7th and Central Valley – April 13th). Tribal consultation is on-going as are regular meetings with USFS and BLM representatives to develop the programmatic permit concepts.

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 through 30 June 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 R5-2016-0076

Facility	General Order Permit Number
Manteca	R5-2016-0076-009
Alturas	R5-2016-0076-010
McLaughlin Mine Treatment System Amendment	R5-2016-0076-031
US Army Corps of Engineers and Flatiron/Dragados/Sukut Joint Venture; Lake Isabella Dam Safety Modification Project Amendment	R5-2016-0076-053
Union Pacific Railroad Company, Dunsmuir Railyard Project	R5-2016-0076-063
North Manteca Trunk Sewer Construction Dewatering Project	R5-2016-0076-064
Lone Tree Rd Improvements Phase II Construction Dewatering Project	R5-2016-0076-066
Yuba Water Agency, New Bullards Bar Dam Project	R5-2016-0076-067
Glenn Springs Holdings, Inc. and Miller Springs Remediation Management Inc., Former J.R. Simplot Facility Amendment	R5-2016-0076-010
American Valley WWTP Construction Dewatering	R5-2016-0076-070

NPDES PERMIT Table 2 - Municipal General Orders R5-2017-0085

Facility	County	General Order Permit Number
Stallion Springs Community Services District, Wastewater Treatment Facility	Kern	R5-2017-0085-013
United Auburn Indian Community, Thunder Valley Casino WWTP	Placer	R5-2017-0085-014

NPDES PERMIT Table 3 - CAAP General Order

Facility	County	General Order Permit Number
Calaveras Trout Farm, Inc. and Merced Irrigation District, Trout Rearing Facility	Merced	R5-2019-0079-001

DAIRIES/CONFINED ANIMAL FACILITIES

CONFINED ANIMAL FACILITY INSPECTIONS

The Confined Animal Facilities Program's FY 200/2021 performance target for facility inspections is 275. Staff have completed 181 inspections through mid-March. Although COVID-19 restrictions may make it difficult, staff anticipates being able to meet the performance target, or if not, to come very close.

OIL FIELDS

WASTEWATER SURFACE PONDS

Central Valley Water Board staff (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. Items completed by Staff include the following:

- Provided comments on an Aera Energy, LLC's (Aera) flow metering proposal for permitted produced wastewater ponds in the Midway Sunset Oil Field.
- Conveyed letters to Aera for its North Belridge Oil Field requiring submittal of additional information for three lined ponds including plans Waste Discharge Requirements or closure plans for two unlined ponds.
- Conveyed a letter to Aera for its Midway Sunset Oil Field requiring submittal of additional information for two inactive ponds and for an active pond feature.
- Provided comments to Aera regarding its work plan for conducting a hydrostatic test to evaluate the integrity of a lined pond in the Lost Hills Oil.
- Issued individual review memorandums to 25 Hill Properties, Inc., and KB Oil & Gas, Inc., that state their Notices of Intent seeking coverage under the Oil Field General Order are incomplete.
- Conditionally approved individual closure plans for California Resources Production Corporation in the McDonald Anticline Oil Field and Vaugh, LLC in the Midway-Sunset Oil Field.
- Sent a letter that states no further action is required for a historical pond that was closed in the Cymric Oil Field.

Staff continue to review technical data and associated references included with Notices of Intent for coverage under General Orders submitted by Valley Water Management Company for its produced wastewater disposal facilities in the Midway Sunset Oil Field. The Notices of Intent propose coverage under Oil Field General Order No. 3 and would replace outdated waste discharge requirements.

Staff are currently reviewing technical data included with Notices of Intent for coverage under General Orders submitted by Hathaway, LLC for four ponds in the Devil's Den Oil Field and by Section 35 Partners for six ponds in the Kern Front Oil Field.

Staff completed four inspections of oil field facilities. Staff is preparing reports for these inspections and finalizing reports from the 2020 calendar year, which will subsequently be sent to the Operators for record keeping.

Staff is also continuing to review monitoring reports for drilling mud sumps regulated under the Statewide General Waste Discharge Requirements for Discharges to Land with a Low Threat to Water Quality (General WDRs).

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 14 events in January and February.

A spill of oil and oil field produced wastewater occurred on the Kelso Lease, operated by Aera Energy, LLC (Aera) in the South Belridge Oil Field, on 5 January. According to OES, a flow line failure caused the discharge of approximately 10 bbls (420 gals) of crude oil and 2.9 bbls (121.8 gals) of produced wastewater to land. On 5 January, Aera told Board staff that the discharged fluids affected a vegetated area. Aera added that no dry stream beds or natural drainage courses were affected by the spill and that cleanup of the affected areas would be completed. Staff of the California Department of Fish and wildlife – Office of Spill Prevention and Response (CDFW) inspected the spill site.

A spill of crude oil occurred on the Lendhart Lease, operated by California Resources Corporation (CRC) in the Kern Front Oil Field, on 11 January. According to OES, a shipping line failed and discharged approximately 80 bbls (3,360 gals) of crude oil to land. On 12 January, CRC told Staff that the spill affected a vegetated area but no dry stream beds. CRC added that staff of CDFW inspected the spill site. CRC notified Board staff when cleanup of the affected areas was completed. Staff and CDFW conducted a post-cleanup inspection of the affected stream bed. Board staff observed that the affected areas appeared to be mostly visually clean. CDFW signed-off on the site cleanup.

A spill of crude oil and produced wastewater containing iron sulfide occurred on the BV Hills Facility, operated by CRC in the Buena Vista Oil Field, on 17 January. According to OES, a pipe failed and discharged approximately 35 bbls (1,470 gals) of crude oil and produced wastewater into a dry blue line stream bed. CRC notified Board staff when cleanup of the affected areas was completed. Board staff and staff of the CDFW-OSPR conducted a post-cleanup inspection of the affected stream bed. Staff observed that the affected areas appeared to be mostly visually clean. CDFW signed-off on the site cleanup.

A spill of crude oil and produced wastewater occurred on the B&E Lease, operated by Berry Petroleum Company (BRY) in the Midway Sunset Oil Field, on 20 January.

According to OES, a group line leak caused the discharge of approximately 20 bbls (840 gals) of oil and 20 bbls (840 gals) of produced wastewater into a vegetated area and a dry stream bed. On 20 January, BRY told Board staff that the discharge has been stopped and recovery of free-standing fluids was in-progress. Staff inspected the spill site on 21 January and observed in-progress cleanup activities. CDFW conducted a post-cleanup inspection of the affected areas and signed-off on the site cleanup.

A spill of crude oil occurred on the Parkinson Lease, operated by Holmes Western Oil (HW) in the Midway Sunset Oil Field, on 27 January. According to OES, a power outage caused a tank to overflow and discharge approximately 23.69 bbls (995 gals) of oil into the secondary containment of the source tank. The OES report also stated that HW has completed cleanup of the affected areas. On 17 February, HW staff told Board staff that all the discharged fluids were contained, and no dry stream beds have been affected. HW added that cleanup was complete and staff of the California Geologic Energy Management division (CalGEM) followed-up on this spill.

A spill of crude oil and produced wastewater occurred on the Bremer Lease, operated by Sentinel Peak Resources California (SPRC) in the Midway Sunset Oil Field, on 27 January. According to OES, a flow line failure caused the discharge of approximately 3 bbls (126 gals) of oil and 972 bbls (40,824 gals) of produced wastewater into a concrete secondary containment. On 27 January, SPRC told Board staff that cleanup of the affected containment was in-progress. SPRC added that CDFW inspected the spill site.

A spill of crude oil occurred on the Fairfield Lease, operated by BRY in the Midway Sunset Oil Field, on 29 January. According to OES, a pipeline failure caused the discharge of approximately 15 bbls (630 gals) of crude oil to land. On 3 March, BRY told Board staff that all discharged fluids were contained within a secondary containment and no dry stream beds have been affected. BRY added that cleanup of the affected areas was completed. BRY also said that staff of CalGEM and CDFW followed-up on the spill site.

A spill of oil field produced wastewater occurred on the Section 34 Lease, operated by Aera in the Belridge Oil Field, on 31 January. According to OES, the failure of a wastewater injection line caused the discharge of approximately 3 bbls (126 gals) of produced wastewater to land. The OES report also states that approximately 0.48 bbls (20 gals) of the discharged wastewater entered the Martinez dry stream bed. On 31 January, Aera told Board staff that no oil was discharged, and no cleanup will be conducted other than recovering the free-standing fluids, if any. Aera added that CDFW inspected the spill site.

A spill of crude oil and produced wastewater occurred on the 21Z Lease, operated by BRY in the Midway Sunset Oil Field, on 4 February. According to OES, the failure of a packing on a production well caused the discharge of approximately 6 bbls (252 gals) of oil and produced wastewater into a production pad. On 17 February, BRY told Board staff that all discharged fluids were contained within a secondary containment and no dry stream beds have been affected. BRY added that CalGEM inspected the spill site.

A spill of crude oil and oil field produced wastewater occurred on the Lockwood Lease, operated by Aera in the Midway Sunset Oil Field, on 11 February. According to OES, a flow line leak caused the discharge of approximately 23.8 bbls (999.6 gals) of oil and 138 bbls (5,796 gals) of produced wastewater into a dry stream bed. On 17 February, Aera told Board staff that cleanup of the affected areas was completed and that staff of CDFW will conduct a post-cleanup inspection. CDFW told Staff that a post-cleanup inspection of the affected areas was conducted on 25 February and CDFW signed-off on the site cleanup.

A spill of oil occurred on the Red Ribbon Ranch facility, operated by San Joaquin Facilities (SJF) in the Fruitvale Oil Field, on 23 February. According to OES, a pipe failure caused the discharge of approximately 2 bbls (84 gals) of crude oil and 13 bbls (546 gals) to land. On 3 March, Envirotech staff, SJF's consultant told Board staff that no dry stream beds or natural drainage courses have been affected by the spill. Envirotech added that cleanup of the affected areas was completed, and the excavated affected materials were disposed of.

A spill of produced wastewater occurred on the Ethel D Lease, operated by BRY in the Midway Sunset Oil Field, on 27 February. According to OES, a human error caused the discharge of approximately 250 bbls (10,500 gals) of produced wastewater into the secondary containment of the source tank. On 1 March, BRY told Board staff that all discharged fluids were contained within a secondary containment and no dry stream beds have been affected. BRY added that all free-standing fluids were recovered from the affected containment area.

A spill of crude oil occurred on the Leu Holtz Lease, operated by HW in the Midway Sunset Oil Field, on 27 February. According to OES, a human error caused the discharge of approximately 138 bbls (5,796 gals) of oil to land and a grave. The OES report also stated that WH has completed cleanup of the affected areas. On 1 March, WH told Board staff that all the discharged fluids were contained within the secondary containment of the source tank and no dry stream beds have been affected. HW added that all free-standing oil was recovered, and all oil-affected materials will be removed for disposal. HW also said that CDFW were expected to inspect the spill site.

A spill of crude oil and produced wastewater occurred on the Pan Fee Lease, operated by BRY in the Midway Sunset Oil Field, on 28 February. According to OES, a flow line leak caused the discharge of approximately 0.25 bbl (10.5 gals) of oil and 7 bbls (294 gals) of produced wastewater to land where some of the discharged fluids entered a dry blue line. On 1 March, BRY told Board staff that cleanup of the affected areas was completed. BRY added that CDFW would be conducting a post-cleanup inspection of the affected areas.

OIL FIELD FOOD SAFETY EXPERT PANEL

During January 2021, Staff incorporated edits and comments from the Food Safety Expert Panel (Panel) into the Food Safety Project White Paper (White Paper). The White Paper summarizes the Food Safety Project, which was undertaken to identify

potential threats to human health as a result of consuming crops grown with oil field produced water. Board staff also made changes to the White Paper based on comments from the Central Valley Water Board's Science Advisor, which considered revisions and edits to Food Safety Project related Task Reports. After these edits were made, Staff posted a draft of the White Paper was posted to the Board's Food Safety web page and disseminated a notice of public meeting indicating that the public comment period for the draft White Paper would close on 5 March 2021.

In February 2021, Board staff organized a conference call with the oil field produced water dischargers (Dischargers) involved with the Food Safety project and staff of the US Environmental Protection Agency (US EPA staff). US EPA staff are interested in working with the Dischargers to develop new test methods for oil produced water.

Board staff also presented the White Paper in an information item to the Central Valley Water Board at its February meeting. The presentation summarized the background, work, and findings of the Food Safety Project; data gaps identified by the Panel, Science Advisor, and GSI; and recommendations developed and approved by the Panel. Going forward, Staff will review comments on the White Paper received from the public and will prepare a final draft of the White Paper.

UIC PROGRAM

During the period from 14 January 2021 to 17 March 2021, Board staff of the Underground Injection Control Unit (UIC) performed the following activities:

AQUIFER EXEMPTIONS

Midway-Sunset Tulare Aquifer Exemption – The California Geologic Energy Management Division (CalGEM) provided State Water Board staff and Board staff a revised aquifer exemption application (application). State Water Board staff and Staff met with CalGEM to discuss the changes to the application. Board staff is reviewing the application provided.

Kern River Aquifer Exemption – Board staff and State Water Board staff met with CalGEM to discuss the changes made in the revised application. Board staff and State Water Board staff provided CalGEM with additional questions and concerns.

Round Mountain South Aquifer Exemption – Board staff continue to provide comments to the State Water Board regarding the proposed aquifer exemption application.

Deer Creek Aquifer Exemption – CalGEM provided State Water Board staff and Board staff a revised application. Board staff and State Water Board staff reviewed the revised application and determined that the questions and concerns raised by staff were not addressed. State Water Board staff provided CalGEM with a summary of questions and concerns that still need to be addressed.

Mt. Poso Dorsey Area Aquifer Exemption – Board staff continue to provide comments to the State Water Board regarding the proposed aquifer exemption application.

UIC PROJECT REVIEWS

Board staff received information in response to five 13267 Orders requiring Operators to perform hydrogeologic investigations in the South Belridge and Lost Hills Oil Fields. Board staff are reviewing the information provided and have issued several letters concurring with Operator's proposed work plans.

Board staff have reviewed project information relating to an Operator's request to conduct a water disposal project located in the South Belridge Oil Field and issued a no objection letter. Board staff previously issued a no objection letter and memorandum for the Operator's water disposal project in the McKittrick Oil Field. These two water disposal projects are being proposed so that the Operator can stop disposing of produced water into surface impoundments.

Board staff continue to review project information relating to an Operator'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 the Operator's transition plan to move its current water disposal activities from the east side to the west side of the South Belridge Oil Field. Board staff are reviewing additional information provided by CalGEM and the Operator.

Board staff received project information relating to an Operator's request to conduct a waterflood project located in the Elk Hills Oil Field. This waterflood project is being proposed as part of the Operator's transition plan to end its current water disposal activities in the upper portion of the Tulare Formation above the Amnicola Clay. In addition, Board staff received a second project related to the Operator's request to conduct waterflood injection as part of its transition plan. Board staff have reviewed the information provided and sent letters with its initial questions to CalGEM.

Board staff received project information relating to an Operator's request to conduct a water disposal project located in the Brentwood Oil Field. Board staff reviewed the information provided and sent their initial questions to CalGEM.

Board staff received project information relating to an Operator's request to conduct steamflood and cyclic steam projects located in the Kern River and Cymric Oil Fields. Staff reviewed the information provided and sent their initial questions to CalGEM.

Board staff received project information relating to an Operator's request to expand its cyclic steam project located in the Edison Oil Field. Board staff reviewed the information provided and sent an email to CalGEM stating that additional information needed to be provided for staff to conduct a review of the project.

Board staff issued three no objection letters and memorandums for UIC projects in the Cymric and Midway-Sunset Oil Fields.

Board staff received project information relating to an Operator's request to conduct a water disposal project in the Kern Front Oil Field. Staff are reviewing the information provided.

Board staff received project information relating to an Operator's request to conduct a steamflood project in the Midway-Sunset Oil Field. Staff are reviewing the information provided.

Board staff received project information relating to an Operator's request to conduct steamflood and cyclic steam projects in the Cymric and Midway-Sunset Oil Fields. Staff are reviewing the information provided.

SENATE BILL 4 (SB-4) PROGRAM

Since the last Executive Officer's Report, Board staff have not completed reviews of any Well Stimulation Treatment (WST) Application packages. Two WST Applications for Aera Energy, LLC South Belridge Oil field are under review.

Board staff reviewed a groundwater monitoring exclusion addendum for Aera Energy, LLC's South Belridge Oil field. Staff reviewed a Chevron U.S.A. Inc. report documenting the rehabilitation work at deep monitoring well TuIMW04NWSEa in the Lost Hills Oil Field. Staff reviewed a revised Aera LLC work plan for the installation of a groundwater monitoring well at the King Ellis Lease in the South Belridge Oil Field. Staff submitted written comments to the State Water Board.

Board staff reviewed groundwater monitoring reports for California Resources Corporation's stimulated wells 10H and 12H in the Rose Oil field north of Wasco and California Resources Corporation's stimulated well 203 H in the Rose Oil Field, also north of Wasco. Staff submitted written comments to the State Water Board.

IRRIGATED LANDS REGULATORY PROGRAM (ILRP)

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.

EAST SAN JOAQUIN WATER QUALITY COALITION

On 5 March 2021, the Executive Officer approved completion of 15 surface water management plans for the East San Joaquin Water Quality Coalition (Coalition) as follows:

- Toxicity: one (Ceriodaphnia dubia and one Selenastrum capricornutum)
- Pesticides: three (Chlorpyrifos)
- Specific Conductance: four
- pH: six

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 increased practices implemented by growers include: installation of micro-irrigation systems, minimization of spray drift, improving berms, maintaining filter strips, installation of tailwater return system, and avoiding sensitive sites. Water quality analyses showed that receiving water limits were met, demonstrating the effectiveness of implemented practices.

(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 latest meeting was held on April 14th and focused on implementation of the CV-SALTS Basin Plan Amendments. More information 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)

LOW-THREAT ALTERNATIVE ILRP FRAMEWORK

Board staff continues to work with UC Rangelands to gather information and evaluate regulatory options for 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.

Based on an evaluation of the considerations listed above, Staff is recommending exemption of the Goose Lake Subwatershed (Modoc County) from the Irrigated Lands Regulatory Program. The staff recommendation was released for public review and comment from February 26 – April 2, 2021. Comments will be considered in determining whether to bring a proposed resolution to the Board.

ILRP COMPLIANCE, OUTREACH & ENFORCEMENT

DRINKING WATER WELL MONITORING OUTREACH

Drinking water well monitoring continues for members in the East San Joaquin Water Quality Coalition (ESJWQC) and coalitions in the Tulare Lake Basin. ESJWQC members were required to monitor drinking water wells on enrolled parcels starting in 2019. Tulare Lake Coalition members were required to start sampling in 2020. In 2021, the San Joaquin & Delta, Grasslands and Westside San Joaquin River Coalitions started their monitoring. Board staff is continuing to work with members by providing guidance and answering questions. Within the region, there have been over 7,500 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 completed their second year of drinking water well monitoring. From January 1 through February 28, 330 samples have been submitted to GeoTracker by 190 members/landowners with about 12.1 percent of samples exceeding the drinking water standard.

Within in the first several months of the program implementation, 100 members/landowners of the San Joaquin & Delta Coalition have sampled 151 wells, with 27 percent exceeding the drinking water standard. In the Westside San Joaquin River Coalition, 27 members/landowners have sampled 40 wells, with 25 percent of the wells exceeding the standard.

Board staff are tracking notification submittals and conducting follow-up as needed to ensure that members/landowners with wells exceeding the nitrate drinking water standard are notifying users accordingly. From January 1 through February 28, staff sent 26 letters to ESJWQC members/landowners reminding them of the notification requirement. Based on our outreach we are finding many members of the Westside San Joaquin River Coalition are using bottled water. Staff continues to follow up with phone calls, emails, letters and notices of violation, as necessary.

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 December 2020, there were 1,326 wells with nitrogen exceedances in the Tulare Lake Basin, and staff have received 769 signed Drinking Water Notification Templates. From January through February staff have contacted 575 member/landowners reminding them of the notification requirement and will continue with progressive enforcement actions as needed to obtain notifications.

WATER CODE SECTION 13260 DROPPED-MEMBER DIRECTIVES

Staff also sent dropped-member directive letters during this period. These directives were sent to members dropped from the Coalitions' participant lists and may include members with unpaid dues. The directive requires the recipients to re-enroll with a third-party group within 15 days of receipt of the letter. Coalition areas not shown had no dropped-member directives mailed during the reporting period.

Coalition Area	Coalition Area
Sacramento Valley	10
Total	10

WATER CODE SECTION 13260 DIRECTIVES

Staff sends directive letters to owners of potential commercial irrigated lands identified through staff inspections of agricultural-zoned parcels. The directives require recipients to obtain permit coverage within 15 days of receipt. Coalition areas not shown had no directives mailed during the reporting period.

Coalition Area	Coalition Area
San Joaquin & Delta	33
Sacramento Valley	119
Total	152

REMINDER LETTERS FOR FAILURE TO SUBMIT NITROGEN MANAGEMENT PLAN SUMMARY REPORTS

During this sensitive time of the pandemic, Water Board staff has implemented sending out a reminder letter prior to sending a notice of violation to members who have failed to submit their Nitrogen Management Summary Reports by the Board-approved due dates. Coalition areas not shown had no reminder letters mailed during the reporting period.

Coalition Area	Coalition Area
East San Joaquin	313
Total	313

NOTICES OF VIOLATION FOR FAILURE TO SUBMIT NITROGEN MANAGEMENT PLAN SUMMARY REPORTS

Notices of Violation (NOVs) were sent to coalition members for their failure to submit Nitrogen Management Plan Summary Reports by the Board-approved deadlines. Members who did not respond to our reminder letters were issued NOVs urging them to promptly provide their reports to their respective coalitions or potentially face monetary penalties.

Coalition Area	NOVs Mailed Jan 1- Feb 28
San Joaquin & Delta	77
Total	77

SACRAMENTO RIVER WATERSHED COALITION GROUPS

CALIFORNIA RICE COMMISSION

On 12 December 2020, the California Rice Commission submitted the 2020 Annual Monitoring Report. The 2020 Annual Monitoring Report met the requirements of Order R5-2014-0032-02 and no revisions were requested prior to finalization.

On 20 January 2021, the California Rice Commission submitted the 2020 Rice Pesticide Evaluation Update as an addendum to the 2020 Annual Monitoring Report. The Rice Pesticide Evaluation is required to be updated every 5 years and is used to identify pesticides for monitoring in surface water. The 2020 Rice Pesticide Evaluation Update is currently under staff review.

On 20 January 2021, the California Rice Commission submitted a revised Pyrethroid Background and Baseline Monitoring Plan for Sacramento Valley Rice Growers. The revised Plan addressed comments from staff and was approved on 17 February 2021.

SACRAMENTO VALLEY WATER QUALITY COALITION

On 8 March 2021, Staff received a proposed Groundwater (GW) MPIR template. The GW MPIR template was a revision of the Coalition's 24 November 2020 submittal. Revisions reflect Staff comments and discussions with the Coalition. The revised GW MPIR template is currently under staff review.

On 9 March 2021, the Executive Officer approved the Coalition's Groundwater Quality Assurance Project Plan (QAPP). The Groundwater QAPP was reviewed and approved by the State Water Board QA Officer and ILRP staff.

SAN JOAQUIN RIVER WATERSHED COALITION GROUPS

EAST SAN JOAQUIN WATER QUALITY COALITION

On 27 January, the Executive Officer approved the Coalition's request to update the Quality Assurance Project Plan (QAPP). The Coalition updated its QAPP to reflect the monitoring schedule and quality objectives for the 2021 water year.

On 9 February, the Executive Officer approved the 2021 Water Year Monitoring Plan Update Addendum. The addendum was in response to staff comments on the conditional approval of the original Monitoring Plan Update, corrections made to the Pesticide Evaluation Protocol database, and evaluation of the potential for risks or threats to water quality associated with exceedances that occurred during the June through September 2020 monitoring period.

On 23 February, the Executive Officer approved the Coalition's deadline extension request. A two-month extension was approved for the Order submittals to provide growers and the Coalition with additional time to accommodate the restrictions due to COVID-19.

On 1 March, staff received the Coalition's Quarterly Monitoring Data Report for the period July 1 through September 30, 2020.

On 5 March, the Executive Officer approved the completion of Coalition's management plans for 15 site/constituent pairs; management plans will continue for two site/constituent pairs that do not meet the requirements for completion.

SAN JOAQUIN COUNTY AND DELTA WATER QUALITY COALITION

On 15 January, staff received the Coalition's 2021WY Monitoring Plan Update Addendum covering the period from June through September 2020 that was not available during the time of the August 2020 MPU. The Executive Officer approved the addendum on 9 February 2021.

On 15 January, the Executive Officer approved the 30 November Annual Management Practice Implementation and Nitrogen Application Report (AMPINAR) for the 2019 Crop Year.

On 27 January, the Executive Officer approved the Coalition's 29 September 2021 surface water QAPP updating monitoring constituents and associated Measurement Quality Objectives (MQOs) for the 2021 Water Year (WY).

On 25 February, the Executive Officer approved the 27 January 2021 Central Valley Water Board received an amendment to the Central Valley Groundwater Monitoring Collaborative's (CVGMC) Comprehensive Quality Assurance Program (CQAP).

On 1 March, the Coalition submitted its March 2021 Quarterly Monitoring Data Report for the period July through September 2020.

On 25 February, the Executive Officer approved the amendment to the Central Valley Groundwater Monitoring Collaborative's (CVGMC) Comprehensive Quality Assurance Program (CQAP) dated 27 January 2021. The CQAP contains the QA/QC standards and requirements for ten third-party groups participating in a regional effort to collect and share groundwater monitoring data. It also established requirements for a regional data management system.

WESTSIDE SAN JOAQUIN RIVER WATERSHED COALITION

On 25 November, the Coalition submitted the Monitoring Plan Update (MPU) for monitoring to be conducted 1 March 2021 through February 2022. After working through some adjustments with the Coalition and Board staff, the 2021-22 MPU was approved on 19 February.

On 30 November, the Coalition submitted the annual Summary of Management Practice Information Report (MPIR) and Irrigation and Nitrogen Management Plan (INMP) Summary Report, each covering the period 1 March 2019 through 28 February 2020. Staff review is underway.

GRASSLAND DRAINAGE AREA COALITION

On 30 November 2020, the Grassland Drainage Area Coalition submitted the Annual Management Practices Implementation and Nitrogen Application Report. The report was approved on 5 March 2021.

TULARE LAKE BASIN COALITION GROUPS

KERN RIVER WATERSHED COALITION AUTHORITY

On 2 March 2021, staff met with the Kern River Watershed Coalition Authority (KRWCA) to discuss reduced monitoring options along the South Fork of the Kern River near where the river flows into the Lake Isabella Reservoir. Staff discussed data gaps that would need to be filled for staff to make an appropriate determination on monitoring requirements, and the need for the Coalition to develop a formal reduced monitoring proposal for consideration.

On 8 March 2021, the Executive Officer approved the Management Practices Implementation Report Survey Template proposed by the Kern River Watershed Coalition Authority. The Template, which is designed specifically for the Chanac Creek Watershed, is to be filled out annually by members to track management practices used by growers in the area covered by the Coalition's Surface Water Quality Management Plan. The Template contains detailed management practice survey questions to document existing, new, or improved management practices.

KINGS RIVER WATER QUALITY COALITION

On 24 February 2021, the Kings River Water Quality Coalition provided an update to staff regarding their proposed well network for the 2021 Groundwater Quality Trend Monitoring (GQTM) sampling event. Staff concurred with the Coalition's approach in selecting the GQTM network wells. The Coalition will submit a formal proposal within 60 days prior to conducting the 2021 sampling event.

TULE BASIN WATER QUALITY COALITION

On 4 March 2021, staff provided comments on the Tule Basin Water Quality Coalition's 2019 Annual Monitoring Report. Staff requested additional information in the methodologies used in filtering Nitrogen Management Plan Summary Report data.

WESTLANDS WATER QUALITY COALITION

On 7 January 2021, staff participated in a quarterly update meeting with the Westlands Water Quality Coalition.

On 2 March 2021, staff met with the Westlands Water Quality Coalition to discuss the submittal of a compliance time schedule for their Groundwater Quality Management Plan (GQMP) and Surface Water Management Plan (SQMP) Amendments, as required by the General Order. Staff communicated that the time schedule will need to be

submitted before the GQMP and SQMP amendments can be approved by the Executive Officer.

OTHER PROJECTS

GROUNDWATER PROTECTION FORMULA

On 19 January 2021, the Executive Officer conditionally approved the joint Groundwater Protection Formula Workplan for Central Valley Coalitions. The Groundwater Protection Formula will provide the foundation for developing Groundwater Protection Values and Groundwater Protection Targets required under ILRP General Orders. Prior to approval, the Workplan was made available for public comment and staff held multiple meetings with Coalitions and interested stakeholders to identify and resolve key issues. Submittal of the Groundwater Protection Values and additional information required as a condition of approval will occur by 19 July 2021.

CENTRAL VALLEY GROUNDWATER MONITORING COLLABORATIVE

On 25 February, the Executive Officer approved the amendment to the Central Valley Groundwater Monitoring Collaborative's (CVGMC) Comprehensive Quality Assurance Program (CQAP) dated 27 January 2021. The CQAP contains the QA/QC standards and requirements for ten third-party groups participating in a regional effort to collect and share groundwater monitoring data. It also established requirements for a regional data management system.

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.

In January, Data Management Team staff submitted 8 Kings River Watershed Coalition Authority backlogged EDDs through fourth quarter 2018 to SWAMP for subsequent CEDEN loading. Staff is formatting Sacramento Valley Water Quality Coalition's 4th Quarter 2020 to SWAMP.

GRASSLAND BYPASS PROJECT

The Grassland Bypass Project Drainage Management Plan was submitted on 6 December 2020. The submittal discusses activities and measures being conducted under Order R5-2019-0077 to meet water quality objectives for selenium, molybdenum, boron, and salinity. After a public comment period and initial staff review, revisions to the Plan were requested on 2 March 2021. The revised Plan is due on 31 May 2021.

On 1 March 2021, the Grassland Bypass Project Pyrethroid Control Program Implementation plan for 2021 was submitted. Staff inquired about one of the laboratories included in the plan and that discussion resulted in the need for a revision. Staff is reviewing the revised submittal.

RICE PESTICIDES PROGRAM

On 23 December 2020, the Rice Pesticides Program 2020 Summary Memo was submitted presenting the results of monitoring during the 2020 growing season. On 4 January 2021, management practice recommendations from the California Rice Commission for the 2021 growing season were submitted. On 5 February 2021, the management practice recommendations were approved for implementation in 2021.

NON-POINT SOURCE (NPS)

CLEAR LAKE NUTRIENT CONTROL PROGRAM UPDATE

Board staff is working with TMDL-identified responsible parties to obtain information regarding compliance with phosphorus load allocations. Responsible parties include: Lake County, Lake County MS4 Permittees, US Forest Service, US Bureau of Land Management, and Lake County Farm Bureau. Board staff has sent enforcement orders to each responsible party to obtain this information. There have been delays in this process due to restrictions caused by COVID-19. To date, all responsible parties have submitted deliverables, which are being reviewed to determine compliance with specified load allocations. The Lake County Farm Bureau will be submitting an updated load assessment at the end of March 2021. Next steps will be determined following the review of all deliverables.

On 13 May 2020, Forest Service staff submitted their deliverables under the 13267 Order issued on 10 March 2020. Board staff is currently reviewing this information.

On 15 January 2020, Board 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 comply with their load allocation. On 31 January 2020, Board staff received deliverables from the MS4 permittees regarding their best management practices. Board staff is currently reviewing

this information. On 25 March 2020, Board staff received and approved a request for extended deadlines. On 24 June 2020, Board staff issued a Notice of Violation (NOV) for failing to meet the extended deadline for the second deliverable under the TSO. The permittees submitted the requested deliverables and Board staff has verified the NOV was fully addressed. Board staff has provided an extension on the third deliverable, which requires the permittees to submit a BMP effectiveness assessment. The deliverable date is now 01 February 2021. Board staff is currently reviewing the information submitted by the TSO Permittees.

On 24 September 2019, Board 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 19 May 2020, Board staff suspended the 13267 Order until restrictions are lifted for the Ukiah Field Office staff to conduct the monitoring necessary to gather information for their load allocation. On 15 September 2020 Board staff reinstated the Order with an extended deadline of 1 February 2021. Board staff is currently reviewing information submitted by USBLM.

On 10 October 2019, Board staff sent County of Lake a 13267 Order regarding their nonpoint source load allocation. On 31 January 2020, Board staff received their first deliverable from Lake County, which is a list of their management practices to reduce erosion into Clear Lake. 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 was required to be submitted by 29 May 2020 and the report was to be submitted by 31 August 2020. On 24 June 2020, Board staff issued a NOV to Lake County for failing to meet the 29 May 2020 deliverable. The County submitted the missing deliverable and the NOV was resolved. Lake County has requested an extended deadline to complete the technical report. This extension was requested by the County in order to enter into a contract with a consultant that can assess an accurate load reduction. Board staff have provided an extension for the final deliverable, which will now be due 1 February 2021. Board staff is currently reviewing information submitted by Lake County.

The Blue Ribbon Committee for the Rehabilitation of Clear Lake will next meet remotely on 1 April 2021. At the prior quarterly meeting, updates were provided by Committee members and UC Davis. The Committee also discussed funding issues for recommendations. An emergency Blue Ribbon Committee meeting was held on 1 March 2021. The purpose of the meeting was to revisit Committee recommendations associated with Proposition 68 funds.

The Blue Ribbon Committee voted to revise recommendations so funds could be directed towards UC Davis for the continuation of monitoring and modeling efforts. 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/clear-lake/) (resources.ca.gov/clear-lake/).

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)

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

CANNABIS

GENERAL ORDER ENROLLMENT AND DEVELOPMENTS

Staff are currently processing approximately 40 pending applications in Nevada County and will be focusing on increasing enrollments and enforcing upon the most egregious sites in the Targeted Priority Watersheds in Nevada County through 2021.

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	23	4	0	26	5	0	64
Colusa	2	1	0	0	1	0	0	4
Contra Costa	1	0	0	0	0	0	0	1
El Dorado	0	4	0	0	2	0	0	6
Kern	1	0	0	0	0	0	0	1
Kings	1	0	0	0	0	0	0	1
Lake	55	145	3	0	260	2	3	468
Fresno	4	0	0	0	2	0	0	6
Merced	5	0	0	0	0	0	0	5
Nevada	18	237	3	1	13	0	0	272
Sacramento	136	0	0	0	0	0	0	136
San Joaquin	2	0	0	0	1	0	0	3
Sierra	0	2	0	0	0	0	0	2
Solano	4	0	0	0	0	0	0	4

County	CE	Tier 1L	Tier 1M	Tier 1H	Tier 2L	Tier 2M	Tier 2H	Total Active Enrollments
Shasta	0	0	0	0	0	0	0	0
Siskiyou	5	0	0	0	0	0	0	5
Stanislaus	18	7	0	0	2	0	0	27
Tulare	6	0	0	0	0	0	0	6
Yolo	2	18	0	0	45	0	0	65
Yuba	2	0	0	0	0	0	0	2
Totals	277	414	9	1	340	7	4	1078

OUTREACH

Staff participated in two outreach events in Nevada County, on 21 January 2021 and 11 February 2021. During February and March, Staff from the Redding office performed direct outreach to 71 unpermitted dischargers in Nevada County who received a Notice to Enroll in December 2020. Staff participated in an interagency training outreach for CDFA staff on 2 March 2021.

COMPLIANCE AND ENFORCEMENT - ENROLLMENT ENFORCEMENT

Cannabis staff have completed the backlog reduction task, per the EOC report guidelines and developed a CIWQS entry/closeout process that is now being used statewide. Cannabis Staff have participated in 2021 enforcement season kickoff meetings with CDFW (northern and north central teams) law enforcement and scientists, Nevada County law and code enforcement, and Division of Water Rights. Targeted Priority

Compliance customer service is ongoing for Nevada and Lake Counties.

Enrollment Enforcement efforts in Nevada County will begin in April in the Squirrel Creek Watershed, just west of Grass Valley.

COMPLIANCE

None.

ENFORCEMENT

On 23 and 24 March 2021, staff performed enforcement inspections in Nevada County.

GOVERNOR'S OFFICE CANNABIS ENFORCEMENT CONVENINGS

N/A

GRANTS

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

Approximately \$4 million each year is allocated throughout the state 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.

For more information, please visit the [NPS website](#)

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

The 2021 Clean Water Act section 319(h) Grant Solicitation closed on 18 December 2020. State Water Board and the Regions are in the process of reviewing applications. Projects selected for funding will be notified after the review process is complete.

A copy of the Grant Program Solicitation Notice and the Grant Program Guidelines can be found on the [State Water Board's NPS Control Program webpage](#) at:

(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. A time extension was requested in September

2020 due to delays with subcontracting and COVID restrictions. The request was approved, and the grant was extended to February 2024. (Closing 2/28/2024)

PUBLIC/DISADVANTAGED COMMUNITY/TRIBAL OUTREACH

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

*On 25 February, 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 17 March, Alex MacDonald presented Aerojet updates to the Aerojet Community Advisory Group highlighting field activities undertaken by Aerojet. This included construction of new monitor and extraction wells, available documents, cleanup and monitoring at Area 40 and investigation status at the Boundary Operable Unit.

*On 18 and 25 March 2021, Staff planned and administered two Tribal Summits with a focus on a proposed process for Tribal Beneficial Uses designations. The meetings occurred on Zoom and hosted more than 70 Tribal members, leadership, and/or staff.

*On 1 March 2021, Robert L’Heureux met with members of the Yocha Dehe Wintun Nation. Board staff discussed how the Regional Boards work with State Water Board and the roles and responsibilities of each agency, the different types of consultations that Board staff may engage in with Tribes (e.g., general inquiries and AB 52 consultations), and the Central Valley Water Board’s engagement with Tribes with respect to Tribal Beneficial Uses. The Yocha Dehe staff requested continuing conversations as they become more comfortable and familiar working with the Central Valley Water Board.

On 4 March 2021 Ronna Bowers and Kate Sjoberg, Engineering Geologists with the Central Valley Water Board’s Redding office, participated in a Local Emergency Planning Committee (LEPC), Region III virtual meeting. LEPC Region III is comprised of Butte, Colusa, Glenn, Lassen, Modoc, Plumas, Shasta, Sierra, Siskiyou, Sutter, Tehama, Trinity, and Yuba counties. The purpose of the LEPC meetings is to provide a forum for emergency management agencies, responders, industry and the public to work together to evaluate, understand, communicate, plan and provide training for emergency response incidents resulting from chemical hazards within the Region.

This month’s meeting discussed membership recruitment for open member positions on the committee. The meeting also included discussions of upcoming regional trainings, and a presentation from the Federal Emergency Management Agency on their Interagency Modeling and Atmospheric Assessment Center (IMAAC). The IMAAC is a planning tool that for hazard predictions related to atmospheric events.

Participating agencies also provided agency reports on incidents/activities that have occurred that they were involved with that are of interest to LEPC members.

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 Work Plan (Work Plan) based on feedback from the State Water Board and Central Valley Water Board staff, which was approved by the Delta Regional Monitoring Program in July 2018.

Sampling events for sediment, fish, and clams in Year 1 of the Work Plan have been completed, and the first water sampling event of Year 1 has also been completed. Most analyses of these samples have been completed and submitted to the Aquatic Science Center (ASC) for review. ASC has mobilized to collect the first flush event for Year 1; however, due to the surge in coronavirus cases at the time, sample collection at five of the sites was not conducted due to constraints on agencies conducting in-kind fieldwork for the Work Plan. In-kind fieldwork is projected to resume for future sampling events. Current dry conditions have not triggered mobilization for subsequent spring sampling events. Adjustments to the sampling schedule and criteria for mobilization for urban runoff sampling are proposed for discussion at the CEC Subcommittee as well as planning for Year 2 of the Work Plan.

PERSONNEL AND ADMINISTRATION

STAFFING UPDATES – JANUARY 1, 2021 – FEBRUARY 28, 2021

PROMOTIONS:

Steve Meeks – SUP. WRCE

NEW HIRES:

Matthew Richter - WRCE

Mindy Maxwell - AGPA

RETIREMENT:

None

SEPARATIONS:

Monique Gaido - EG

SUMMARY OF POSITIONS:

Total Authorized Positions: 269.7

Total Vacant Positions: 27.5

Sacramento

Authorized Positions: 148

Vacancies: 20.5

Fresno

Authorized Positions: 73

Vacancies: 6

Redding

Authorized Positions: 48.7

Vacancies: 1

Temporary Positions

None

New Hires:

Natalie Bainbridge - SC

Misty Pontes - SC

Separations:

Alice Lopes - SA

My Nai - SA

TRAINING UPDATES - JANUARY 1, 2021 – FEBRUARY 28, 2021

Class Title	Number of Attendees
23rd Annual CUPA Training Conference	2
Antidegradation Training	2
AP206 - CalEPA Basic Inspector Academy	3
Bill Analysis	4

Class Title	Number of Attendees
Biosolids 101 for small California POTWs	4
CalHR Covid Effects on Mental Health	1
California Leadership Academy - Executive Development Program (20 Hour Program)	1
California Leadership Academy - Supervisor Development Program (80 Hour Program)	2
Cannabis Inspection Awareness	4
Conflict Management and Resolution Skills for the Workplace (for Supervisors/Managers)	2
Creating Accessible Adobe PDF Documents	2
Creating Accessible Word Documents	3
Critical Thinking	2
EEO: Workplace Rights and Responsibilities	7
Electronic Writing	3
Emotional Intelligence	15
Environmental Case Presentations - Portland Art Glass Investigation and Colorado Asbestos Case	1
Ergonomics: The Homemade Home Office	3
Fundamental Inspector Course	1
Highly Effective Professional Writing	5
Implicit Bias: What We Do Not Know	20
Interpersonal Communication Skills	6
Introduction to Communicating Effectively in Complex Organizations	16
Introduction to Data Visualization	3
Introduction to GIS	3
Introduction to Project Management	13
Introduction to Working and Leading in Complex Organizations	10
Microsoft Excel Level 2	1
Microsoft Excel Level 3	3
MSHA Annual Refresher	5
Quality Assurance: General Quality Assurance 101	1
The Art and Science of Motivation & Morale	1
Time Management	1
Trust and Legitimacy: Understanding implicit bias and its impact on workplace diversity and trust in the community Trust and Legitimacy	1
Water Boards 101: Training Service	7
Working and Leading in Complex Organizations	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
20-012-150	TBD	Helicopter aerial surveillance services (Consolidated Region 5 contract – SB 901 funds)	TBD	6/30/2023	\$185,000

WATER QUALITY STUDY/PLANNING

Contract Number	Contractor Name	Description	Start Date	End Date	Amount
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	07/01/2018	03/31/2021	\$400,000

Contract Number	Contractor Name	Description	Start Date	End Date	Amount
		response under current and future scenarios.			
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 in the Eastern San Joaquin (ESJ) River Watershed General Waste Discharge Requirements	4/17/2019	01/30/2021	\$249,806
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.	12/1/20	11/30/2023	\$250,000
20-034-150	University of Santa Cruz	Determine the extent of beneficial use impairments caused by cyanobacteria harmful algal blooms (HABs) and toxins produced by the cyanobacteria, called cyanotoxins.	TBD	1/31/2023	\$200,000

FUTURE BOARD ACTIVITIES

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

JUNE 2021 BOARD MEETING DATE

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISCHARGE TO LAND

- City of Modesto WWTF (Revised)
- California Concentrates (Revised)
- Jamestown WWTF (Revised)
- Kettleman City WWTF (Revised)

IRRIGATED LANDS REGULATORY PROGRAM (ILRP)

- Drinking Water Well Monitoring Information Item

NPDES PERMITS

- Sixteen-to-One Mine Renewal
- City of Live Oak WWTP Rescission
- Sierra Pacific Industries, Quincy Division Renewal

AUGUST 2021 BOARD MEETING DATE

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISCHARGE TO LAND

- City of Farmersville WWTF (Revised)
- Azteca Milling (Revised)
- Dunnigan WWTF (Revised)

IRRIGATED LANDS REGULATORY PROGRAM (ILRP)

- Goose Lake Alternative Regulatory Framework Resolution Managed Wetlands Resolution

NPDES PERMITS

- City of Grass Valley WWTP Rescission
- Sewerage Commission Oroville Region WWTP Renewal
- Sequoia/Kings Canyon National Parks Rotenone Application (New Permit)

OCTOBER 2021 BOARD MEETING DATE

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISCHARGE TO LAND

- City of Dinuba WWTF (Revised)
- Vita-Pakt Citrus Products (Revised)
- Rivermade Trading Company (Revised)

NPDES PERMITS

- Limited Threat General Order Renewal
- Sliger Mine Renewal
- Bear Valley Water District WWTF Renewal

STORM WATER AND WATER QUALITY CERTIFICATION PROGRAM

- Ranch Tier 2 & 3 Roads Project (WDR) (Angela Nguyen-Tan)
- Dredging General Order (Nicholas White)

IRRIGATED LANDS REGULATORY PROGRAM (ILRP)

- Groundwater Protection Target Information Item

PENDING ACTIONS, BUT NOT YET SCHEDULED FOR A BOARD MEETING

NPDES PROGRAM – PERMITTING

- City of Lathrop (New Permit)
- City of Colusa Renewal
- City of Auburn WWTP Renewal
- Mountain House CSD WWTP Amendment
- Bear Valley CSD WWTF Renewal
- City of Chico WPCP Renewal
- City of Nevada City WWTP Renewal
- Sterling Caviar Fish Hatchery Renewal
- North Valley Regional Recycled Water Program Renewal
- City of Modesto WQCF Renewal
- American Valley WWTP Renewal

CONFINED ANIMAL FACILITIES

- Revision of Dairy General Order, Revised WDRs

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISCHARGE TO LAND

- General Order for Large WWTF (New)
- General Order for Nut Hullers (New)

- General Order for Food Processors (New)
- Bronco Winery (Revised)
- California Olive Ranch – Artios (Revised)
- CDCR Mule Creek State Prison WWTF (Revised)
- City of Ceres WWTF (Revised)
- City of Madera WWTF (Revised)
- Degroot WTP (Revised)
- Greenville WW Ponds (Revised)
- Kern Sanitation District WWTF (Revised)
- Sierra Nevada Cheese (Revised)
- Sonora Regional WWTF (Revised)
- Sun Pacific Exeter Packinghouse (Revised)
- Walmart Distribution Center (Revised)

ATTACHMENT A

ATTACHMENT A – SANITARY SEWER OVERFLOW SUMMARY

Sanitary Sewer Overflow (SSO) Spills – 1 January 2021 through 28 February 2021

Spill Cause	Count of Spill(s)	Percent (%)
Root Intrusion	88	49%
Debris-General	35	20%
Grease Deposition (FOG)	22	12%
Pipe Structural Problem/Failure	9	5%
Debris-Rags	4	2%
Operator error	4	2%
Debris from Lateral	3	2%
Debris-Wipes/Non-Dispersables	3	2%
Pump Station Failure-Mechanical	3	2%
Pump Station Failure-Controls	2	1%
Vandalism	2	1%
Damage by Others Not Related to CS Construction/Maintenance (Specify Below)	1	1%
Other (specify below)	1	1%
Rainfall Exceeded Design, I and I (Separate CS Only)	1	1%
Total	163	100%

Sanitary Sewer Overflow (SSO) Spills (TOTAL COUNTS) – 1 January 2021 through 28 February 2021

Office	Category 1	Category 2	Category 3	Total
5F	0	0	12	12
5R	3	0	5	8
5S	28	4	126	158
Total	31	4	143	178

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 January 2021 through 28 February 2021

REGION	AGENCY	Collection System	SSO Event ID	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	871658	Sacramento	Yes	489,494	379,232	1/16/2021	Pipe Structural Problem/Failure
5R	Red Bluff City	Red Bluff CS	872582	Tehama	Yes	14,494	14,494	2/22/2021	Pipe Structural Problem/Failure
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	872673	Sacramento	Yes	20,490	9,887	2/28/2021	Grease Deposition (FOG)
5S	Jackson City	City Of Jackson CS	872224	Amador	Yes	6,156	6,156	2/6/2021	Debris-Wipes/Non-Dispersables
5S	Georgetown Divide PUD	Auburn Lk Trls Onsite WW Disp CS	872052	El Dorado	Yes	4,800	4,800	1/28/2021	Rainfall Exceeded Design, I and I (Separate CS Only)

ATTACHMENT A

REGION	AGENCY	Collection System	SSO Event ID	COUNTY	Did Spill Reach Surface Waters? (Yes/No)	Spill Volume (Gallons)	Volume that Reached Surface Waters (Gallons)	Spill Date	Spill Cause
5R	Corning City	Corning Indust/Domestic CS	871935	Tehama	Yes	4,000	4,000	1/27/2021	Debris-General
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	871825	Sacramento	Yes	3,614	3,203	1/23/2021	Debris-General
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	872043	Sacramento	Yes	1,461	1,310	1/22/2021	Root Intrusion
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	871588	Sacramento	Yes	1,482	1,085	1/6/2021	Root Intrusion
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	872299	Sacramento	Yes	1,089	887	2/8/2021	Debris-General
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	872066	Sacramento	Yes	696	687	1/21/2021	Root Intrusion
5S	Angels City	Angels Camp CS	872036	Calaveras	Yes	650	650	1/28/2021	Root Intrusion
5S	Vacaville City DPW	Easterly CS	872351	Solano	Yes	5,309	590	2/16/2021	Grease Deposition (FOG)
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	871587	Sacramento	Yes	438	424	1/11/2021	Root Intrusion
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	872162	Sacramento	Yes	624	376	1/31/2021	Root Intrusion
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	872464	Sacramento	Yes	385	360	2/22/2021	Root Intrusion
5R	Red Bluff City	Red Bluff CS	871552	Tehama	Yes	348	313	1/13/2021	Grease Deposition (FOG)
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	872078	Sacramento	Yes	251	238	1/25/2021	Grease Deposition (FOG)

ATTACHMENT A

REGION	AGENCY	Collection System	SSO Event ID	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	871806	Sacramento	Yes	232	223	1/21/2021	Root Intrusion
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	871424	Sacramento	Yes	243	216	1/1/2021	Debris-General
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	872218	Sacramento	Yes	235	213	2/8/2021	Root Intrusion
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	872344	Sacramento	Yes	362	212	2/14/2021	Root Intrusion
5S	Placerville City	Hangtown Creek CS	872429	El Dorado	Yes	185	175	2/23/2021	Root Intrusion
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	872288	Sacramento	Yes	406	97	2/9/2021	Root Intrusion
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	871425	Sacramento	Yes	55	47	1/2/2021	Debris-General
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	871440	Sacramento	Yes	45	41	1/4/2021	Debris-General
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	872069	Sacramento	Yes	33	26	1/28/2021	Debris-General
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	872068	Sacramento	Yes	30	18	1/27/2021	Grease Deposition (FOG)
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	872026	Sacramento	Yes	17	12	1/28/2021	Root Intrusion
5S	Placer Cnty Dept of Facility Services	SMD No. 1 CS	872173	Placer	Yes	109	10	1/30/2021	Pipe Structural Problem/Failure
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	871747	Sacramento	Yes	62	8	1/19/2021	Root Intrusion
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	871658	Sacramento	Yes	489,494	379,232	1/16/2021	Pipe Structural Problem/Failure

ATTACHMENT A