

**EXECUTIVE OFFICER'S REPORT
12 OCTOBER 2023**

**CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD**

CENTRAL VALLEY REGION

PATRICK PULUPA, EXECUTIVE OFFICER



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STAFF RECOGNITION

The Central Valley Water Board believes in recognizing superior employee performance via the Employee Recognition Program. This Program consists of monthly Employee Recognition Awards (ERAs) and quarterly Superior Accomplish Awards (SAAs). ERAs are presented at monthly All Staff Meetings with a certificate and announcement by the Executive Officer (EO). SAAs are presented at Board Meetings and include a certificate, monetary award, and announcement by the EO. [Employee Recognition Awards](https://www.waterboards.ca.gov/centralvalley/press_room/employee_recognition/) can be viewed on the Board's website at

(https://www.waterboards.ca.gov/centralvalley/press_room/employee_recognition/).

PROGRAM REPORTS

BASIN PLANNING

TOTAL MAXIMUM DAILY LOAD (TMDL) PROGRAMS

PESTICIDE TMDLS

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 (TMDL) 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 TMDL, are fully approved and effective.

Board staff continue to work with MS4s, wastewater, and agricultural dischargers under the program to meet the baseline monitoring and management plan requirements in the Control Program for Pyrethroid Pesticide Discharges.

On 13 July 2020, Board staff sent orders under Water Code sections 13267 and 13383 (Orders) to MS4 permittees in the Sacramento and San Joaquin River 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. Phase II MS4 permittees under the Order had the option to either 1) submit Baseline Monitoring Plans (Plans) by 28 February 2021, or 2) acknowledge the existing data are assumed to be representative of their discharge, forego baseline monitoring, and prepare a Pyrethroid Management Plan (PMP) due to the Board by 19 August 2021.

All but one (City of Modesto) of the five Phase I MS4 permittees have complied with the Orders and submitted Plans by the 1 December 2020 deadline. Four of the five Phase I MS4 permittees reported exceedances of the prohibition triggers. Two of these permittees are already implementing their required PMP, and Board staff have solicited

revisions to the PMPs submitted by the other two permittees. These revised PMPs are expected in late 2023.

Six Phase II MS4 permittees selected the baseline monitoring option and received subsequent approval of their Baseline Monitoring Plans. Three of the Phase II MS4 permittees (Cities of Davis, Los Banos, and Woodland) reported exceedances during baseline monitoring, and in accordance with the Order, submitted PMPs in September and October 2022 and all were approved. Baseline Monitoring Reports from the Cities of Redding and Chico were approved in late 2022, fulfilling the responsibilities of these cities under the Order.

Board staff received notices of intent to submit a PMP from 48 Phase II MS4 permittees. Of those 48 Phase II MS4 permittees, 44 submitted PMPs and 42 have been approved. Board staff continue to work with the Phase II MS4 permittees (2) whose PMPs require revisions and the Phase II MS4 permittees (2) that did not submit PMPs.

In July 2023, Board staff released the Draft Pyrethroid Research Plan for public comment. The Draft Pyrethroid Research Plan, which is a deliverable of the Control Program for Pyrethroid Pesticide Discharges, summarizes the current state of science, and identifies research and special studies that, once completed, may inform future iterations of pyrethroid pesticide discharge regulations (e.g., potential objectives, program refinement). The Draft Pyrethroid Research Plan can be obtained from the Central Valley Water Board's [website](#) at

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

For more information, please see the public notice available in both English and Spanish on the Board's [Public Notices website](#) that can be viewed at

(https://www.waterboards.ca.gov/centralvalley/public_notices/#TMDLs).

Board staff hosted a public meeting on 1 August 2023 to provide participants with an opportunity to discuss the Board's Draft Pyrethroid Research Plan. Board staff are available for additional meetings as requested by stakeholders, Tribes, or other interested parties. Board staff may revise the Draft Pyrethroid Research Plan to address feedback obtained through meetings and written comments provided during the public comment period. Once revisions are complete, Board staff will present the Pyrethroid Research Plan to the Board for adoption. The date for the public hearing for Board adoption will be determined by the amount of feedback obtained and will be publicly noticed.

DELTA METHYLMERCURY CONTROL PROGRAM/TMDL

The Delta Mercury Control Program and associated Methylmercury TMDL (DMCP) was adopted as a phased TMDL by the Regional Board on 22 April 2010. Final approval by the U.S. EPA was received on 20 October 2011. The TMDL was adopted as a Basin

Plan Amendment and includes a control program to reduce methylmercury and inorganic mercury in the Delta.

The first phase of the DMCP requires entities responsible for discharging methylmercury (MeHg) in the Delta to conduct source control studies and subsequently develop and evaluate MeHg management methods. The DMCP requires the studies to be reviewed by an independent scientific peer review panel (Review Panel), which was coordinated through the Delta Stewardship Council's Delta Science Program. The first Review Panel evaluated seven control study reports investigating MeHg management in municipal wastewater and urban stormwater runoff discharges and a second Review Panel reviewed the open water modeling and tidal wetlands reports. Board staff will use information from these studies and recommendations from both Panels to consider revisions to the DMCP. ADA-compliant versions of the [Review Panel's Final Reports](#) can be viewed at

(<https://deltacouncil.ca.gov/delta-science-program/independent-science-review-of-the-delta-mercury-control-program>).

Phase 2 began on 20 October 2022, and requires dischargers to implement MeHg control programs to meet allocations, continue total mercury reduction programs, and conduct compliance monitoring. Board staff are continuing to review and incorporate more recent data and methodologies, including information provided in the control and characterization studies, to determine if there are any needed modifications to the DMCP. Board Staff expects to initiate the Scientific Peer Review process (including public release) in fall 2023.

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

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

DISSOLVED OXYGEN TMDL

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. The water quality objective is 5 mg/L December through August and 6 mg/L September through November in the channel.

From 5 July through 11 September 2023, several excursions were detected exceeding the applicable water quality objective. The dissolved oxygen level dropped below 5 mg/L numerous times at the 6 meters depth in July and August and dropped below 6 mg/L in September. The aerators were operated beginning on 07 September 2023. These exceedances triggered additional water sampling by the Department of Water Resources. A summary report will be provided to the Central Valley Water Board. It was

suspected that the sondes may be clogged and in need of maintenance potentially causing an inaccurate (lower) reading at the 6 meters depth. Maintenance was performed on the sondes after which the dissolved oxygen readings were elevated to concentrations within the water quality objective. As previously reported, both aeration pumps were off-line and under repair. As of 23 August 2023, both pumps are operational.

[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 at

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

CLEAR LAKE NUTRIENT CONTROL PROGRAM/TMDL/BLUE RIBBON COMMITTEE

Board staff continued implementation of the Nutrient TMDL and considered future revisions to the Control Program and TMDL based on information currently being gathered through studies and projects in the watershed, including the Board's Environmental Drivers study, the UC Davis study, Tribal monitoring data, and other stakeholder efforts.

The County of Lake and the Cities of Clearlake and Lakeport (collectively, Permittees) submitted requests to amend Time Schedule Order (TSO) R5-2019-1005-001 to extend the compliance deadline from 30 September 2024 to 30 September 2028. The Permittees stated that the additional time would allow them to apply for grants to adequately fund, implement, and document the sediment phosphorus reduction projects in their TSO Task 4 Work Plans.

In response to the request, Board staff drafted an amended TSO and accompanying resolution, which were publicly noticed and made available for public comment. The 30-day public comment period closed on 1 September 2023. The amended TSO will be an agenda item for Board approval at the October 2023 Board meeting. For more information, contact Mason Gatti at (916) 464-4634 or mason.gatti@waterboards.ca.gov.

More information can be found on the [Clear Lake Nutrient TMDL website](#) at

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

Board staff participated in the Blue Ribbon Committee meetings which have focused on funding proposals for projects in Clear Lake. The next Blue Ribbon Committee meeting is scheduled for 14 September 2023.

More information regarding the Blue Ribbon Committee can be found on the Natural Resources Agency's [Blue Ribbon Committee website](#) at

(<https://resources.ca.gov/Initiatives/Blue-Ribbon-Committee-for-the-Rehabilitation-of-Clear-Lake>).

LOWER SAN JOAQUIN RIVER SALT AND BORON TMDL

On 9 August 2023, the United States Bureau of Reclamation (USBR) finalized their 2024 Management Agency Agreement Annual Workplan. The Annual Workplan describes activities to be conducted by USBR in fiscal year 2024 under the Management Agency Agreement to meet obligations assigned to it by the Salt and Boron TMDL for the lower San Joaquin River. The Workplan is available on the [USBR website](#) for the Program to Meet Standards at

([maa-2024-annual-work-plan.pdf](#) ([usbr.gov](#))).

CV-SALTS/SALT CONTROL PROGRAM

SALT PRIORITIZATION AND OPTIMIZATION (P&O) STUDY

The first of three phases of the Salt Control Program, the P&O Study, is a ten- to fifteen-year project to characterize the status of salinity in the Central Valley and evaluate salinity management solutions to inform Phases 2 and 3 of the Salt Control Program.

Monthly meetings of the Executive Committee of interested parties are conducted as well as two subcommittees of the Executive Committee that meet regularly to discuss modeling and regulatory/policy topics. There is a suite of modeling and analytical tools that have been selected for this project and multiple models are currently being integrated, calibrated, and validated. These models are being applied to each of the three Central Valley hydrologic basins (Sacramento River watershed, San Joaquin River watershed, and the Tulare Lake watershed). The initial model outputs will provide information on characterizing the current salinity conditions in each basin of the Central Valley. The modeling of current salinity conditions will inform the Baseline Characterization Report (Part 2, which includes the salt loading).

EVALUATION OF MUNICIPAL AND DOMESTIC SUPPLY (MUN) BENEFICIAL USE IN AG DOMINATED SURFACE WATER BODIES

On 11 August 2017, the Board adopted a Basin Plan Amendment to develop a region wide MUN evaluation process in Ag dominated surface water bodies. A State Board Meeting to consider approval of the Basin Plan Amendment was held on 10 July 2018. State Board members deferred their decision on the amendments to a future date. Board staff continue

to work with State Board staff to address questions and concerns that were raised during the 10 July 2018 Board Meeting.

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/).

OIL FIELD SALINITY BASIN PLANNING ACTIONS

Groundwater within the Tulare Lake Basin is designated to have both Municipal and Domestic (MUN) and Agricultural Supply (AGR) beneficial uses, unless specifically de-designated by a Basin Plan Amendment. The need for evaluating appropriate beneficial uses, specifically for MUN and AGR, has been recognized by stakeholders and the Central Valley Water Board through the 2011, 2013, 2018 and 2021 Triennial Reviews. In addition, the Central Valley Salinity Alternatives for Long-Term Sustainability (CV-SALTS) initiative also identified the need to evaluate the level of protection of MUN and AGR beneficial uses as an essential activity of the CV-SALTS initiative to find solutions to the salt problem in the Central Valley. There are several basin planning evaluation efforts underway.

Southern Lost Hills Basin Plan Amendment

The Central Valley Water Board adopted a Basin Plan Amendment to de-designate MUN and AGR use in groundwater within a portion of the Southern Lost Hills Oil field in June 2022. The State Water Board approval hearing was originally scheduled for 6 December 2022 but has been postponed due to concerns regarding the AGR salinity threshold utilized to de-designate AGR beneficial use, peer review, groundwater characterization and AB 2108 outreach. A meeting with State Board staff was held and all concerns have been addressed. This project is now scheduled to be considered for approval by State Board at the 7 November 2023 State Board Meeting.

Outreach for AB 2108 for Disadvantaged Communities downgradient from the project area will be conducted before the State Board meeting. For this outreach, Central Valley Water Board staff will post hard copies, in both English and Spanish, of the Notice of the State Board approval consideration and a project information sheet at key community locations in the community of Lost Hills.

McKittrick Oil Fields Area Basin Plan Amendment Evaluation

Valley Water Management Company (Valley Water) operates oil field-produced wastewater disposal facilities in Kern County. The facilities receive produced wastewater from oil and gas producers in adjacent oil fields. Valley Water has requested to have MUN and AGR beneficial uses removed from portions of the groundwater adjacent to, and within, the administrative boundaries of the South Belridge, Monument Junction, and Cymric oil fields. Central Valley Water Board staff have initiated a beneficial use designation evaluation to determine if the removal of MUN and AGR beneficial use designations from the subject groundwater is appropriate

and have completed AB-52 and B10-11 tribal consultation opportunity letters. Central Valley Water Board staff held a CEQA Scoping Meeting on 25 May 2023 in Buttonwillow, CA. Central Valley Water Board staff are currently developing a staff report for the project.

California Independent Petroleum Association (CIPA) Basin Plan Amendment

CIPA submitted information relevant to evaluate MUN and AGR designations on the southwestern portion of the Tulare Lake Basin in western Kern County. Both Central Valley Water Board staff and the Central Valley Salinity Coalition have reviewed the information and provided feedback to CIPA's consultant. CIPA recently submitted a technical report for this project to provide information for a beneficial use evaluation. This report is currently being reviewed by Central Valley Water Board staff.

TRIBAL BENEFICIAL USES DESIGNATIONS

On 2 May 2017, the State Water Board 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 (Resolution 2017-0027). This Resolution established three new beneficial use definitions: Tribal Tradition and Culture (CUL), Tribal Subsistence Fishing (T-SUB), and Subsistence Fishing (SUB). 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 TBU designations as a priority project. At the 18 February 2022 Board Meeting, the Central Valley Water Board adopted the proposed basin plan amendment (BPA) to add the TBU definitions to the Water Quality Control Plans for the Sacramento River and San Joaquin River Basins and Tulare Lake Basin. On 7 September 2022, the State Water Board approved the BPA. Board staff continue to usher the BPA through the Office of Administrative Law and United States Environmental Protection Agency as the final components of the approval process.

Board staff continued participation in the 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 Council, Office of Public Participation, Division of Water Quality).

In response to requested clarification on the Basin Plan Amendment Process and the TBU approach, Board staff developed a Frequently Asked Questions document as well as a TBU Basin Planning Primer describing and illustrating the steps needed to successfully designate a waterway with a TBU. Both documents are posted on the project's website (see below).

As a commitment to providing government-to-government meetings, Board staff host semi-annual hybrid meetings to provide project updates to tribes and their

representatives as well as to solicit input to incorporate into the Board's approach. Tribes and their representatives are polled to determine the best timeframes that consider tribal cultural activities and traditional tribal practices to ensure maximum participation. Board staff hosted meetings on 28 April 2022, 10 November 2022, 20 April 2023, and the next meeting is scheduled for 2 November 2023.

Board staff continued meeting with tribes who submitted TBU designation requests to review their request, discuss evidence submitted, and provide an opportunity to establish continued collaboration. Meetings will continue to be held and offered throughout the TBU designation process.

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/).

BIOSTIMULATORY/BIOINTEGRITY POLICY DEVELOPMENT

The State Water Board is developing a statewide plan for controlling bio stimulatory substances and cyanotoxins under the Bio stimulation, Cyanotoxins, and Biological Condition Provisions (Provisions). Bio stimulatory substances are excess nutrients, primarily nitrogen and phosphorus, that cause harmful aquatic plant and algal growth. Biological condition refers to using indices of species diversity and abundance to assess ecological health of a waterbody. The Provisions may include numeric or narrative water quality objective(s) for bio stimulatory substances and controls for point and non-point sources applicable statewide to streams, rivers, lakes, and reservoirs.

Board staff are managing a contract with the Southern California Coastal Water Research Project (SCCWRP) to develop technical analyses that are focused on Central Valley streams, lakes, and reservoirs. Streams analyses are focused on physically modified and constructed channels, particularly in the Central Valley and Modoc Plateau and Northern California intermittent streams. These types of channels are not well represented in statewide streams data sets. SCCWRP examined fitness of the statewide bio stimulatory models and has identified candidate numeric thresholds for bio integrity (benthic macroinvertebrate and algae indices) and indicators of bio stimulation (total nitrogen and phosphorus concentrations and benthic algae growth) for these streams. For lakes and reservoirs, Board staff worked closely with SCCWRP staff to compile lakes and reservoirs data and develop a dashboard-type tool for identifying bio stimulatory condition in single lakes and reservoirs.

More information on [State Water Board's Provisions](#) can be found on the website at

(https://www.waterboards.ca.gov/water_issues/programs/biostimulatory_substances_biointegrity/).

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PROGRAM (NPDES)

PROJECTS

At the 22 June 2023 Board Meeting, the Central Valley Water Board adopted the NPDES General Order for Municipal Wastewater Dischargers That Meet Objectives/Criteria at the Point of Discharge to Surface Water (Municipal General Order) with Order R5-2023-0025. Originally adopted in 2017, the Municipal General Order allows advanced facilities to be grouped under a single general order to streamline the NPDES permit renewal process. Discharger-specific effluent limitations and monitoring requirements are issued through a Notice of Applicability approved by the Executive Officer. Nineteen facilities are currently permitted under this general order, with plans to add two more this next fiscal year.

GENERAL ORDER ENROLLMENTS

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. The NPDES Tables below, summarize the Notices of Applicability that have been issued for Fiscal Year 2023/2024 for the period of 14 July 2023 to 14 September 2023 for the General Waste Discharge Requirements/NPDES Permit for Limited Threat Discharges to Surface Water (Limited Threat General Order). No new Notices of Applicability were issued during this period for the Waste Discharge Requirements for Municipal Waste Dischargers that Meet Objectives/Criteria at the Point of Discharge to Surface Water (Municipal General Order), and Waste Discharge Requirements for Cold Water Concentrated Aquatic Animal Production Facility Discharges to Surface Water (CAAP General Order).

**NPDES PERMIT Table 1 – Limited Threat Discharges to Surface Waters
R5-2022-0006-01**

Facility	General Order Permit Number
Signature Homes, Delta Shores Project	R5-2022-0006-024
Lehigh Southwest Cement Company, Calaveras Cement Plant Project	R5-2022-0006-025

IRRIGATED LANDS REGULATORY PROGRAM

ILRP QUARTERLY STAKEHOLDER MEETINGS

The last ILRP stakeholder meeting was held on 26 July 2023, as a hybrid meeting on Zoom and at the Stanislaus County Farm Bureau. The primary topics of discussion were the conditional approval of the Groundwater Protection Targets and the update of the Groundwater Quality Management Plans.

More information regarding the stakeholder meetings can be found on the Central Valley Water Boards' [ILRP – Stakeholder Meetings and Workgroups web page](#) at

(https://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_lands/regulatory_information/stakeholder_advisory_workgroup/).

ILRP COMPLIANCE, OUTREACH & ENFORCEMENT

DRINKING WATER WELL MONITORING OUTREACH

All ILRP enrollees are required to monitor drinking water wells on enrolled parcels for nitrate plus nitrite as nitrogen. This started with members of the East San Joaquin Water Quality Coalition and Tulare Lake Basin Coalitions in 2019 and 2020, respectively. Members of the San Joaquin & Delta, Grasslands and Westside San Joaquin River Coalitions started monitoring in 2021, and members of the Rice Commission and Sacramento Valley and Westlands Water Quality Coalitions in 2022.

Board staff is 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 of the impacted wells. Between 1 July and 31 August, 153 samples were submitted to GeoTracker by 79 members/landowners from ESJWQC, San Joaquin Delta, the Western San Joaquin River, the Sacramento Valley, and the Tulare Lake Basin Water Quality Coalitions. Approximately 13 percent of samples exceeded the drinking water standard. During the same time, staff sent emails/phone calls to members reminding them of the notification requirement. Out of 4,152 drinking water well exceedances staff has received 4,106 notification responses. Staff continues to follow up with phone calls, emails, letters and notices of violation, as necessary, for inadequate notification action.

Region-wide, this effort has resulted in 20,154 nitrogen samples being collected and entered GeoTracker for over 13,055 wells, with approximately 31% of the wells exceeding the nitrate drinking water standard (as of 31 August 2023).

REMINDER LETTERS FOR MEMBER REPORTS

Water Board staff sent reminder letters prior to notices of violation to members who have failed to submit their member report(s) by the Board-approved due dates. Coalition areas not shown had no reminder letters mailed during the reporting period.

Coalition Area	Reminder Letters sent 1 July – 31 August 2023
San Joaquin County & Delta Water Quality Coalition	273
Total	273

ON-FARM INSPECTIONS FOR GENERAL ORDER COMPLIANCE

The purpose of on-farm inspections is for Board staff to visit coalition-enrolled farms and discuss water quality-related issues with growers. These inspections include staff review of the farm evaluations, irrigation and nitrogen management plans and sediment and erosion control plans. Board staff inspects the site conditions, including potential discharge points to surface waters, pollution management practices, chemical storage and handling areas, and wellhead protection practices. Coalition areas not shown had no on-farm inspections during the reporting period.

Coalition Area	On-Farm Inspections 1 July – 31 August 2023
San Joaquin County & Delta Water Quality Coalition	1
Total	1

WATER CODE SECTION 13260 DIRECTIVES

Staff sent 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	Directive Letters sent 1 July – 31 August 2023
East San Joaquin Water Quality Coalition	94
Sacramento Valley Water Quality Coalition	4
San Joaquin County & Delta Water Quality Coalition	61
Tule Basin Water Quality Coalition	1
Total	160

NOTICES OF VIOLATION FOR FAILURE TO RESPOND TO SECTION 13260 DIRECTIVES

Notices of Violation (NOVs) were sent to those who did not respond to a Directive letter. Failure to respond to the NOV subjects the discharger to further enforcement actions which may include an administrative civil liability order. Coalition areas not shown had no directives mailed during the reporting period.

Coalition Area	NOVs sent 1 July – 31 August 2023
Sacramento Valley Water Quality Coalition	3
Total	3

NOTICES OF VIOLATION FOR FAILURE TO SUBMIT A MEMBER REPORT

Notices of Violation (NOVs) were sent to coalition members for failure to submit their member report(s) by the Board-approved deadlines. Members who did not respond to our reminder letters were issued NOVs urging them to promptly provide their report(s) to their respective coalitions or potentially face monetary penalties. Coalition areas not shown had no directives mailed during the reporting period.

Coalition Area	NOVs sent 1 July – 31 August 2023
Sacramento Valley Water Quality Coalition	265
Total	265

ENFORCEMENT FOLLOW-UP

ILRP staff continues to conduct significant compliance and outreach efforts associated with obtaining appropriate enrollment in the program and ensuring late member reports are submitted to the coalitions. During this reporting period we received the participant list from coalitions providing information on member non-compliance with their reporting requirements. Staff were primarily focused on contacting members for late reporting by issuing Reminder Letters and Notices of Violation (NOVs). We have also sent outreach to those identified by our mapping efforts as non-filers to the program and have issued Directive letters to those who have not responded. NOVs were sent to those who did not respond to the Directive letters. There is no enforcement occurring beyond NOVs currently. Staff works closely with the agricultural water quality coalitions throughout the compliance and enforcement process.

SACRAMENTO RIVER WATERSHED COALITION GROUPS

ILRP Acronyms

Acronyms	Meaning
AMR	Annual Monitoring Report
GQTM	Groundwater Quality Trend Monitoring
TMDL	Total Maximum Daily Load
MPU	Monitoring Plan Update

CALIFORNIA RICE COMMISSION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
No updates			

SACRAMENTO VALLEY WATER QUALITY COALITION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
5/1/2023	5-Year GQTM	Under review	
5/1/2023	TMDL Report	Under review	
6/23/2023	2023 GQTM Update	Under review	
8/1/2023	2024 Surface Water MPU	Under review	

SAN JOAQUIN RIVER WATERSHED COALITION GROUPS

ILRP Acronyms

Acronyms	Meaning
AMR	Annual Monitoring Report
AMPINAR	Annual Management Practice Implementation and Nitrogen Application Report
GW	Groundwater
GQTM	Groundwater Quality Trend Monitoring
MPIR	Management Practice Implementation Report
QAPP	Quality Assurance Project Plan
SQMP	Surface Water Quality Management Plan
SW	Surface Water

EAST SAN JOAQUIN WATER QUALITY COALITION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
3/15/23	QAPP amendment	Approved 7/14/23	
5/1/23	GQTM AMR	Under review	
5/18/23	Pyrethroid MPIR Template	Approved 8/25/23	
5/18/23	Pyrethroid Focused Outreach Addendum	Approved 9/8/23	
6/9/2023	GQTM Network Update	Approved 7/26/23	
7/1/23	AMPINAR	Under review	
8/1/23	2023 Monitoring Plan Update	Under review	

SAN JOAQUIN COUNTY AND DELTA WATER QUALITY COALITION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
3/21/23	QAPP amendment	Approved 7/15/23	
5/1/23	Annual Monitoring Report	Approved 6/22/23	SW approved. Groundwater and Norman's Nursery under review.
5/1/23	Annual Monitoring Report: Groundwater and Norman's Nursery	Under review	
8/1/23	2023 Monitoring Plan Update	Under review	

WESTSIDE SAN JOAQUIN RIVER WATERSHED COALITION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
5/1/2023	GQTM AMR	Review sent 7/31	
6/1/23	GQTM Network Update	Review sent 7/20	

Submittal Date	Item	Review Status	Notes
8/10	Quarterly Meeting	n/a	Revisions needed to pyrethroid mgt plan
8/29	AMR due date change request	Under review	

GRASSLAND DRAINAGE AREA COALITION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
6/7/2023	2023 GQTM Update	Approved (7/17)	

TULARE LAKE BASIN COALITION GROUPS

ILRP Acronyms

Acronyms	Meaning
AMR	Annual Monitoring Report
CGQMP	Comprehensive Groundwater Quality Management Plan
GQTM	Groundwater Quality Trend Monitoring
PEP	Pesticide Evaluation Protocol
SQMP	Surface Water Quality Management Plan

BUENA VISTA COALITION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
5/1/2023	GQTM Report - 2022 Water Year	Pending Review	
8/1/2023	PEP 2024 Update	Under Review	
8/31/2023	2022 AMR	Under Review	

CAWELO WATER DISTRICT COALITION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
5/1/2023	GQTM Report - 2022 Water Year	Pending Review	
8/30/2023	2022 AMR	Under Review	

KAWEAH BASIN WATER QUALITY ASSOCIATION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
8/1/2023	PEP 2024 Update	Under Review	
8/31/2023	2022 AMR	Pending Review	
8/31/2023	2022 CGQMP Annual Status Report	Pending Review	

KERN RIVER WATERSHED COALITION AUTHORITY

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
2/8/2023	Kern River Arsenic Source Identification Study	Approved 9/7/2023	
5/1/2023	GQTM Report - 2022 Water Year	In Progress	
7/31/2023	PEP 2024 Update	Under Review	
8/31/2023	2022 AMR	Under Review	
8/31/2023	2022 CGQMP Annual Status Report	Pending Review	
8/31/2023	2022 Chanac Creek SQMP Annual Status Report	Pending Review	

KINGS RIVER WATER QUALITY COALITION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
5/1/2023	GQTM Report - 2022 Water Year	Pending Review	
7/18/2023	2023 GQTM Well Network Update	In Progress	

TULE BASIN WATER QUALITY COALITION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
8/31/2023	2022 AMR	Pending Review	

WESTLANDS WATER QUALITY COALITION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
5/11/2023	Draft Updated QAPP	Under Review	
6/13/2023	2023 GQTM Network Status Update	Under Review	
8/1/2023	2024 Surface Water Monitoring Update & PEP	Under Review	

WESTSIDE WATER QUALITY COALITION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
5/1/2023	GQTM Report - 2022 Water Year	Review Issued 9/8/2023	
7/31/2023	PEP 2024 Update	Under Review	
8/30/2023	2022 AMR	Under Review	
8/31/2023	2022 CGQMP Annual Update	Pending Review	

OTHER PROJECTS

DATA MANAGEMENT

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

Staff observed that there are several EDD data sets that have not been fully uploaded to CEDEN. Since March, staff and OIMA have been working to reconcile those missing records.

GROUNDWATER PROTECTION TARGETS

On 15 December 2022, third-party Coalitions within the Central Valley Region jointly submitted a report proposing Groundwater Protection (GWP) Targets for townships designated as highly vulnerable to nitrate impacts from irrigated agricultural activities. The purpose of the GWP Target development effort is to establish township-level nitrogen loading rates from irrigated agricultural operations that are estimated to achieve compliance with Receiving Water Limitations for groundwater within the time schedules specified in applicable ILRP Waste Discharge Requirements. After input from stakeholders and review by staff, the Executive Officer conditionally Approved the GWP Targets on 30 June 2023.

GRASSLAND BYPASS PROJECT

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
12/20/2022	QAPP Update	Comments provided, waiting for revision	

RICE PESTICIDES PROGRAM

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
No updates			

DAIRIES/CONFINED ANIMAL FACILITIES

ANNUAL INSPECTION PROGRESS

The number of confined animal facility inspections conducted since the last meeting of the board is typically reported in the enforcement report below. Regarding progress on the annual number of inspections conducted, as of 1 July 2023, the Rancho Confined Animals Unit has conducted 11 inspections and the Fresno Confined Animals Unit has conducted 16 inspections, for a total of 27. The annual performance target for fiscal year 2023/2024 is 275 inspections.

DAIRY DIGESTERS/DAIRY POND LINER DESIGN REPORTS

Dairy digester projects usually begin as a double lined pond that once constructed is covered and converted to a digester. Staff has taken active role as Technical Advisory Committee members in the review of several dairy digester project proposals submitted to the California Department of Food and Agriculture (CDFA) under a competitive grant application process. CDFA's Dairy Digester Research and Development Program (DDRDP) provides financial assistance for the installation of dairy digesters, which will result in reduced greenhouse gas emissions from manure generated on California dairy farms. Financial assistance for the installation of dairy digesters comes from California Climate Investments, a statewide initiative that uses Cap-and-Trade program funds to support the state's climate goals. CDFA and other state agencies are investing these proceeds in projects that reduce greenhouse gas emissions and provide additional benefits to California communities. Twenty-seven (27) applications were received last year and were reviewed for a total funding request of approximately \$35.4 million. Grant recipients were announced in October 2022, awarding 14 projects totaling \$18.7 million in grant funding. The application period for 2023 closed August 28th and awarded grants are anticipated to be announced in December 2023.

Information about the [Dairy Digester Research and Development Program](#) projects is available at

(<https://www.cdfa.ca.gov/oefi/ddrdp/>)

Staff reviews design reports related to the digester pond double-liners at dairies to ensure they are protective of water quality.

ANNUAL REPORTS

The bovine and dairy annual reports are due by 1 July of each year. Poultry reports are due 1 August of each year. Rancho Cordova office has received their dairy, bovine, and poultry reports. Lists of dairy and bovine non-filers are complete and NOV's are being mailed out. Poultry non-filer NOV's will be mailed out the end of September 2023.

The Fresno office has received most of their annual dairy and bovine reports and are in the process of identifying any non-filers and reviewing the reports.

ALTERNATIVE MANURE MANAGEMENT

CDFA assembled a Manure Recycling and Innovation Product Task Force to help address the overloading of manure on crop land associated with dairies. Board Management participated in the Task Force. The Task Force released its [final report](#) on 10 March 2023. It can be found at

(https://www.cdfa.ca.gov/oefi/research/docs/MRIP_FinalReport.pdf)

PONDS INTERSECTING GROUNDWATER

Directives were issued to about 70 dairies in the spring of 2019 requiring them to determine whether there is separation between the bottoms of their ponds and the highest anticipated level of groundwater. As a result, approximately 30 dairies were subsequently required to submit workplans for remediating ponds because they did not have separation. An additional 30 directives were issued to dairies that had indicated they had adequate separation, but the determination was based on regional data. These directives required installation of piezometers to monitor depth to groundwater. The requirement to implement both the pond remediation and piezometer directives remains hold pending State Board's response to the Dairy General Order petition.

There are approximately 100 additional dairies around the Region where shallow groundwater may be present.

OIL FIELDS PROGRAM

WASTEWATER SURFACE PONDS

Central Valley Water Board staff continues to work on enrolling oil field operators (operators or dischargers) under the Oil Field General Orders for Discharges to Land or individual waste discharge requirements (WDRs) and evaluating operator compliance with those that have been issued. Staff also continue to work on closure plans for oil field produced wastewater (produced wastewater or discharge) disposal ponds. Major items completed by staff are identified below:

- Staff received a Notice of Intent (NOI) for the General Order for Oil Field Waste Discharge to Land, General Order Three (General Order Three), for a set of surface impoundments in the Asphalto Oil Field. Staff's review of the NOI found that it was complete and that the proposed discharge is appropriate for coverage. Staff are preparing a Notice of Applicability for General Order Three for this facility.
- Staff sent a letter to an operator in the Carneros Creek Oil Field requiring submittal of a water balance and hydrogeological investigation results for active ponds regulated by General Order Three.

- Notices of Violation (NOVs) were issued for the following:
 - Three facilities in the Midway-Sunset Oil Field operated by 25 Hill Properties, Inc. The operator, who disposes of produced wastewater at facilities regulated by General Order Three, has not submitted any monitoring reports, or facility inspection reports, as required by the monitoring and reporting program which is part of General Order Three. In addition, the operator has not satisfied Provision E.4 of General Order Three.
 - One facility in the Coalinga Oil Field operated by First Oil & Gas. The operator has a facility where produced wastewater is disposed of under WDRs. During an inspection, staff observed a pond with damaged netting and oil on the fluid surface.
 - Three facilities in the Poso Creek Oil Field operated by Berry Corporation. The facilities have ponds historically used for produced wastewater disposal which are under a Cleanup and Abatement Order. Under that order, the operator must submit monitoring reports and facility inspection reports, which have not been submitted since the Cleanup and Abatement Order was issued. The Notice of Violation also served as a reminder that the operator needs to either submit a revised report of waste discharge to update their waste discharge requirements or close the ponds.
 - One facility in the Mount Poso Oil Field that reuses produced wastewater for irrigation. The operators, Little Creek Properties, Inc. and Daybreak Oil and Gas, were notified that they are in violation of a Cleanup and Abatement Order because they have not submitted the required monitoring reports or facility inspection reports per the monitoring and reporting program which is part of the Cleanup and Abatement Order.
- Staff sent conditional approval letters pertaining to four facilities with ponds historically used for produced wastewater disposal. The letters informed operators with several ponds in the Midway-Sunset Oil Field that they could commence closure work but needed to provide additional information in subsequent closure reports.
- Staff conducted 2 inspections for facilities where produced wastewater is disposed of in surface ponds. This includes facilities in the following oil fields: Cymric, and Chico Martinez. Most of the facilities inspected are regulated under WDRs, or in the process of closure.
- Staff continue to review applications and 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 Low Threat WDRs).

SPILL RESPONSE

Staff respond to oil field spills reported to the Office of Emergency Services (OES). Staff were notified of 11 new oil field related spill events from 6 July 2023 to 8 September 2023. Major events are summarized below.

On 13 July 2023, staff conducted a post-cleanup inspection for OES Spill Report # 23-3966 that indicated that approximately 0.5 barrels of crude oil and 3.6 barrels of produced wastewater were discharged into a dry stream bed in the Cymric Oil Field due to the failure of a Chevron flow line on 19 June 2023. During the 13 July 2023 inspection, staff observed that the spill had been cleaned up. Chevron indicated that 90 yards of impacted material associated with the cleanup was taken to a Chevron “road mix” facility in the Cymric Oil Field. Chevron has submitted to the Central Valley Water Board a Report of Waste Discharge for the “road mix” facility. The Report of Waste Discharge is under review. Staff sent a letter to Chevron dated 31 August 2023. The letter stated that while no further action at the spill location was needed at this time, Chevron is required to submit a written response by 24 October 2023 that identifies the location where Chevron stockpiled or applied the waste generated from the spill cleanup, and that includes any available sample results collected from the waste.

On 19 July 2023, staff received OES Spill Report # 23-4643 that indicated that 2 barrels of crude oil were released from an underground pipeline between two oil wells under a paved alley behind a strip mall in the Fruitvale Oil Field. On the same date, staff contacted Griffin Resources, LLC (Griffin) by phone and email, and Griffin indicated that the spill was contained and stopped, and the cleanup was underway. On 20 July 2023, Griffin informed staff that the surface spill cleanup was completed using a vacuum truck and steam cleaner. Staff visited the site on 30 August 2023 and observed the beginning of a pressure test on the repaired pipeline. During the site visit, staff asked Griffin staff where the waste generated from the spill cleanup was disposed. Griffin staff indicated in an email dated 31 August 2023 that the waste generated from the subsurface cleanup was taken to the Griffin’s yard and Griffin planned to dispose of the waste at a disposal site. Staff plan to follow up with Griffin to confirm that the material removed was disposed of at a permitted disposal facility.

On 19 July 2023, staff received OES Spill Report # 23-4651 that indicated that due to “unknown reasons” 48 gallons of water and an “oil mix” was spilled on the ground, and that 27 gallons of produced water and oil mixture were released into an unknown dry creek near oil well API# 0403017868 in the Cymric Oil Field. Later, staff received an update for the OES Report that the API number of the oil well was API# 0403054375. On 20 July 2023, SPR staff provided pre- and post-cleanup photos of the spill with a location map. On 3 August 2023, staff conducted a post-cleanup inspection. SPR staff indicated that they had applied the waste generated from the cleanup on a road. Staff required SPR to remove the waste from the area it was applied to and to dispose of the recovered waste at a permitted facility. On 4 August 2023, SPR staff in an email indicated that they would start working on removing the waste that had been applied on a road. SPR staff provided photos of pre- and post- cleanup work in an email dated 24

August 2023. SPR indicated that the waste was disposed of at a permitted disposal facility and provided the waste manifests. No further action or follow-up is needed.

On 20 July 2023, staff conducted a post-cleanup inspection with the California Department of Fish and Wildlife's (CDFW) Office of Spill Prevention and Response (OSPR) staff for OES Spill Report # 23-4322. The spill report indicated that approximately 0.5 barrels of crude oil were discharged into Los Gatos Creek bed in the Coalinga Oil Field on 5 July 2023 due to a pinhole leak from the abandoned Crimson Midstream, LLC (Crimson) pipeline. Staff observed that the immediate area of the spill was clean of crude oil. Crimson generated 20 to 25 yards of spill impacted material and placed the material in two 20-yard roll-off bins on site. Crimson staff indicated that the material would be disposed of at a permitted disposal facility. In an email on 24 July 2023, Crimson staff indicated that they had completed the cleanup work. No further action or follow-up is needed.

On 27 July 2023, staff inspected the site associated with OES Spill Report # 23-4038 that indicated that an "unknown oily product" was identified in a dry stream bed in the Mount Poso Oil Field on 22 June 2023. Available aerial images for the location indicated that reoccurring discharges have occurred for several years. A leaky valve on an above ground tank on the Pace Diversified (Pace) property was identified at the source of the current discharge. BPR Consulting staff, Pace's consultant, indicated during the inspection that they would submit a technical report that describes the cleanup after their cleanup work was completed. Staff received the technical report dated 7 August 2023 and are reviewing it.

On 8 August 2023, staff received OES Spill Report #23-5064 that indicated that a pipeline line leak, at a Sentinel Peak Resources facility in the Midway-Sunset Oil Field, resulted in a spill of 2 barrels of crude oil into a dry wash (blue line stream). On 16 August 2023, following cleanup operations, staff inspected the streambed and observed that crude oil impacted soil had been removed from the stream bed. No further action regarding this incident is needed.

On 14 August 2023, staff received OES Spill Report #23-5177 indicating that crude oil leaked from a California Resources Corporation (CRC) pipeline in the Kern Front Oil Field, and that approximately three barrels of crude oil were released to a dry streambed. A 15 August 2023 update to the spill report indicated that the spill volume was approximately 11 barrels, consisting of 0.5 barrels of crude oil and 10.5 barrels of produced wastewater. An 18 August 2023 update to the spill report indicated that the spill volume was increased to approximately 100 barrels consisting of 2 barrels of crude oil and 98 barrels of produced wastewater. Staff contacted CRC staff by phone and email and received pictures of the stream bed impacts prior to cleanup. Staff conducted a post cleanup inspection on 28 August 2023. During the inspection, staff determined that additional cleanup was needed because staff still observed residues of the spill in the area that CRC excavated, especially around the edges. CRC indicated that they would excavate the remaining spill residues and schedule another post-cleanup inspection. On 7 September 2023 staff again inspected the streambed and observed that the crude oil impacted soil had been removed. CRC staff indicated that the

estimated volume of material removed was 30 cubic yards and temporally stockpiled on site pending analytical results for disposal at a permitted disposal facility. No further action is needed.

On 16 August 2023, staff received OES Spill Report #23-5232 that indicated that oil and produced water mixture had leaked from a Chevron pipeline connected to a group of oil wells in the McKittrick Oil Field, and that approximately ten barrels of crude oil and produced wastewater was released into a dry stream bed. Subsequent updates to the spill report indicated that the total spill volume was approximately 39 barrels, consisting of 4.6 barrels of crude oil and 33.8 barrels of produced wastewater, and approximately 8 barrels of the total spill volume were released into the dry stream bed. Staff contacted Chevron staff by email and received pictures of the stream bed impacts prior to cleanup. On 7 September 2023, staff inspected the streambed and found that crude oil and oil impacted soil had been removed from the streambed. Chevron staff indicated that 60 cubic yards of removed material had been taken to a Chevron operated "road mix" facility in the Cymric Oil Field. Chevron has submitted to the Central Valley Water Board a Report of Waste Discharge for the "road mix" facility. The Report of Waste Discharge is under review. For the spill cleanup location, no further action is needed.

On 16 August 2023, staff received OES Spill Report #23-5224 that indicated that a flow line at Chevron well 1034R leaked, resulting in a release of 0.2 barrels of crude oil and 1.5 barrels of produced water into a dry stream bed in the Midway-Sunset Oil Field. staff contacted Chevron staff by phone and email and received pictures of the stream bed impacts prior to cleanup. On 7 September 2023, staff inspected the streambed and found that crude oil and oil impacted soil had been removed from the stream bed. Chevron staff indicated that five cubic yards of removed material had been taken to a Chevron operated "road mix" facility in the Cymric Oil Field. Chevron has submitted to the Central Valley Water Board a Report of Waste Discharge for the "road mix" facility. The Report of Waste Discharge is under review. For the spill cleanup location, no further action is needed.

On 21 August 2023, staff received OES Spill Report #23-5325 that indicated that a flow line leak, at a Sentinel Peak Resources (SPR) facility in the Cymric Oil Field resulted in a spill of 6 barrels of crude oil mixed with produced wastewater into a dry wash (blue line stream). The report indicated that a contractor is handling the containment and clean up. Staff inspected the site of the spill on 30 August 2023 and observed that cleanup work had been completed. No further action or follow-up is needed.

On 26 August 2023 staff received OES Spill Report #23-5465 that indicated a crude oil and produced wastewater mixture leaked from a stuffing box of Chevron U.S.A. (Chevron) well 4175 in the McKittrick Oil Field. As a result, 0.2 barrels of crude oil and 2.3 barrels of produced water were released into a dry stream bed. Staff contacted Chevron staff who then provided photos before and after cleanup. On 7 September 2023, staff inspected the streambed and found that crude oil and oil impacted soil had been removed from the stream bed. Chevron staff indicated that 14 cubic yards of removed material had been taken to a Chevron operated "road mix" facility in the Cymric Oil Field. Chevron has submitted to the Central Valley Water Board a Report of

Waste Discharge for the "road mix" facility. The Report of Waste Discharge is under review. For the spill cleanup location, no further action or follow-up is needed.

UIC PROGRAM

During the period from 8 July 2023 to 11 September 2023, staff of the Underground Injection Control Unit (UIC) performed the following activities:

AQUIFER EXEMPTIONS

Midway-Sunset Tulare Formation Aquifer Exemption – Staff and State Water Board staff met with CalGEM to discuss the conduit analysis. The conduit analysis has been completed. Staff met with State Water Board and CalGEM to discuss expectations and requirements for remediation and monitoring of potential conduits. Staff continues to provide State Water Board staff and CalGEM feedback on a draft Remediation and Monitoring Plan guidance document for operators.

Kern River Kern River Formation Aquifer Exemption – Staff and State Water Board staff met with CalGEM to discuss the conduit analysis. The conduit analysis has been completed. Staff met with State Water Board and CalGEM to discuss expectations and requirements for remediation and monitoring of potential conduits. Staff continues to provide State Water Board staff and CalGEM feedback on a draft Remediation and Monitoring Plan guidance document for operators.

Round Mountain, South Area, Olcese Formation Aquifer Exemption – Staff continues to provide comments to the State Water Board regarding the proposed aquifer exemption application.

Deer Creek Santa Margarita Formation Aquifer Exemption –Staff continues to provide comments to the State Water Board regarding the proposed aquifer exemption application.

Mount Poso, Dorsey Area, Vedder Formation Aquifer Exemption – Staff and State Water Board staff met with CalGEM and the Operators to discuss the conduit analysis. The conduit analysis has been completed. Staff continue to provide comments to the State Water Board regarding the operator's revised aquifer exemption application.

UIC PROJECT REVIEWS

Staff issued seven no objection letters and memorandums for UIC projects in Cymric, South Belridge, North Belridge, Kern River, Kern Front, and Mount Poso Oil Fields.

Staff sent five letters and memorandums requesting information for UIC projects in the Edison, Monument Junction, Mountain View, and South Belridge Oil Fields.

Staff received four responses to reviews performed for proposed steam flood and cyclic steam projects in the Kern Front, McKittrick, Cymric, and Coalinga Oil Fields. Staff is reviewing the information provided.

Staff received project information relating to three cyclic steam and steam flood injection projects, one water disposal project, and two waterflood projects in the South Belridge, Kern Front, Greeley, Coalinga, Jacalitos, and McKittrick Oil Fields. Staff is reviewing the information provided.

SENATE BILL 4 (SB-4) PROGRAM

Since the last Executive Officer's Report, Staff have not received nor reviewed Well Stimulation Treatment Applications, as none have been forwarded from CalGEM.

Staff completed review of one Groundwater Monitoring Report and conveyed comments to State Water Board staff. Staff are currently reviewing six groundwater monitoring reports submitted by Operators that previously conducted well stimulations.

FOREST ACTIVITIES PROGRAM

DEVELOPMENT OF A FEDERAL NPS PERMIT FOR USFS AND BLM ACTIVITIES

Staff continues to evaluate and refine the draft permit and draft EIR produced by contracted CEQA consultants.

A contractor has been selected to create the training modules that will accompany the permit, once adopted, with the expectation that the finished product will be ready in the summer of 2024.

INSPECTIONS

Inspections Conducted	Inspections Target	% Completed
65	288	23

Staff have completed 65 of the 288 inspections targeted for FY 23/24 on commercial timber harvesting, utility vegetation management and federal forest management activities.

CANNABIS PROGRAM

CANNABIS GENERAL ORDER ENROLLMENT AND DEVELOPMENTS

Staff continue to enroll dischargers into our General Order and process terminations, which have increased in the past several months. Division of Water Quality (DWQ) has taken over responsibilities for issuing Notices of Applicability (NOAs). Fees were increased again for FY22/23 and dischargers received invoices reflecting those increases. Staff are responding to questions from dischargers related to invoices and possible termination of their permits.

Cannabis 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	Tier 1H	Tier 1L	Tier 1M	Tier 2H	Tier 2L	Tier 2M	CE	Total Active Enrollments
Calaveras		22	2		65	3	3	95
Colusa		1			2		5	8
Contra Costa					1		6	7
El Dorado		5			2			7
Kern							3	3
Kings					3		2	5
Lake		121	1	7	234	2	52	417
Fresno					6		10	16
Merced							10	10
Nevada	2	257	5		36		22	322
Sacramento							170	170
San Joaquin							7	7
Sierra								
Solano							5	5
Shasta							25	25
Siskiyou							5	5
Stanislaus		5			1		38	44
Tulare							9	9
Yolo		8			35		3	46
Yuba							2	2
Totals	2	419	8	7	385	5	377	1203

COMPLIANCE AND ENFORCEMENT – ENROLLMENT ENFORCEMENT

- 7/19/2023 Redding staff have issued 10 NOVs in response to 13260 Orders issued to Nevada County cultivators in May 2023.

COMPLIANCE

- Site termination inspections, Lake County, 08/23/2023

ENFORCEMENT

- On 5 July 2023, one warrant inspection, Solano County
- On 11 July 2023, Follow-up inspection on an enforcement site, Nevada County
- On 17 2023, three warrant inspections, Yuba County
- On 18 August 2023, three warrant inspections, Nevada County

INSPECTION REPORTS ISSUED

Rancho Office

Ceja Cesar, IR issued 07/20/2023

Sulay Tapia, IR issued 07/21/2023

Minnie Elbow, IR issued 07/25/2023

Matt Jensen, IR issued 07/24/2023

Jennifer Manabat, IR issued 07/25/2023

Gabriel Villagomez, IR issued 07/18/2023

Lopez Perez, IR issued 08/28/2023

Johnny Cabrera, IR issued 08/28/2023

Redding Office

White and Leone, IR issued 07/20/2023

Milanez and Chavez, IR issued 07/20/2023

Southwick Construction, IR issued 08/08/2023

Romero, IR issued 9/11/2023

ENFORCEMENT REPORT

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 the 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, COMPLAINTS, AND INSPECTIONS

Enforcement Table 1, included below, provides a summary of all 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) issued by the Central Valley Regional Board or staff since the previous EO Report that are recorded in the California Integrated Water Quality System (CIWQS) database. For this reporting period, 1 May 2023 through 31 August 2023, one formal enforcement was issued.

**Enforcement Table 1 – Central Valley Enforcement Orders
1 July 2023 through 31 August 2023**

Action Date	Agency	County	Notes
8/11/23	Joe Xavier, Barcelos Dairy	Merced	CAO R5-2023-0702 for Joe Xavier Dairy - Barcelos Dairy. Order requires the immediate cessation of discharge from the dairy's primary wastewater storage lagoon to the adjacent land (Keith Moss Dairy).

ENFORCEMENT ACTIONS AND ABBREVIATIONS

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

**Enforcement Table 2 – Enforcement Actions in CIWQS
1 July 2023 through 31 August 2023**

Region	13267	NNC	ACL	CAO	CDO	EPL	NOV	SEL	UNK	VER	Total
5F	0	0	0	0	0	0	7	2	0	0	9
5R	0	0	1	0	0	0	11	0	0	2	14
5S	0	0	12	1	0	0	67	1	0	1	82
Total	0	0	13	1	0	0	85	3	0	3	105

**Enforcement Table 3 – Enforcement Actions in GeoTracker
1 July 2023 through 31 August 2023**

Region	13267	CAO	Letter – Notice	NOV	Staff Letter	VER	Total
5F	0	0	7	13	63	15	98
5R	0	0	0	0	12	2	14
5S	1	1	4	5	348	12	371
Total	1	1	11	18	423	29	483

**Enforcement Tables 4 and 5 – ILRP Enforcement Actions
1 July 2023 through 31 August 2023**

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 July 2023 through 31 August 2023, a summary of those enforcement actions is included in Tables 4 and 5, below.

Enforcement Table 4 – Region 5 ILRP Enforcement Actions

Region	Reminder Letter for Failure to Submit Annual Member Report (Irrigation and Nitrogen Management Plan Summary Report)	NOVs for Failure to Submit Annual Member Report (Irrigation and Nitrogen Management Plan Summary Report)	Total
5F	0	0	0
5S	273	265	538
5R	0	0	0
Total	273	265	538

Enforcement Table 5 – Region 5 ILRP Enforcement Actions cont.

Region	Reminder Letter for Failure to Enroll in ILRP	Water Code Section 13260 Letters/ Directives for Failure to Enroll in ILRP	NOVs for Failure to Respond to Directive	Total
5F	0	1	0	1
5S	0	159	3	162
5R	0	0	0	0
Total	0	160	3	163

NITRATE CONTROL PROGRAM ENFORCEMENT INITIATIVE

It has been a year since compliance and enforcement staff started working on enrollment of nonflier dischargers in the Priority 1 basins for the nitrate initiative. There have been positive results with the outreach efforts by staff. At the request of management, staff have moved to the next phase of the enrollment process by pursuing nonpermitted dischargers, not only to get them under the proper regulatory requirements but enrolled into the program. Staff met with attorneys from the Office of Enforcement as well as the Office of Chief Counsel to receive guidance on how to move ahead with enforcement. Like the Original number of 52, outreach and communication will be the first part of the process. Currently, there are 14 new sites that meet this category.

CONFINED ANIMAL ENFORCEMENT

**Enforcement Table 6 – CAF Inspections
1 July 2023 through 31 August 2023**

Confined Animal Facility Inspections	
5S Sacramento	11
5R Redding	(included with Sacramento)
5F Fresno	16
Total	27

SIGNIFICANT ENFORCEMENT ACTIONS

SANITARY SEWER OVERFLOWS (SSOS)

Statewide General Waste Discharge Requirements for Sanitary Sewer Systems (SSS General Order) 2006-003-DWQ requires enrollees to submit an 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 July 2023 through 31 August 2023, there were 0 reported SSO incidents in which 50,000 gallons or greater spilled reached surface water.

SSO SUMMARY DATA

For the reporting period between 1 July 2023 through 31 August 2023, there were 0 total SSO spills: 0 Category 1, 0 Category 2, and 0 Category 3 spills.

ADDITIONAL INFORMATION ON SSOS

Additional information regarding SSOs including the current Monitoring and Reporting Program (MRP) can be found at the [State Water Board's Sanitary Overflow Reduction Program](https://www.waterboards.ca.gov/water_issues/programs/sso/index.html)

(https://www.waterboards.ca.gov/water_issues/programs/sso/index.html).

Sewage Collection Agencies report SSOs on-line at the State Water Board's CIWQS database pursuant to the requirements of State Water Board Order No. 2006-0003-DWQ (General Statewide Waste Discharge Requirements for Sewage Collection Agencies).

COMPLAINT RESPONSE TRACKING

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 July 2023 through 31 August 2023, Central Valley Water Board staff have received a total of **26 complaints** from phone calls, emails, and from the CalEPA Complaint database. To date, **24 (92%) complaints** have been investigated and closed or referred to other environmental enforcement agency. Investigations into **four** complaints remain ongoing.

[CalEPA Complaint database](https://calepacomplaints.secure.force.com/complaints/)

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

ADMINISTRATIVE CIVIL LIABILITY ACCOUNTING

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

COMPLIANCE PROJECT (CP)

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

SUPPLEMENTAL ENVIRONMENTAL PROJECT (SEP)

A settling party may offset a portion of the monetary liability of an ACL penalty by voluntarily choosing to fund SEP that enhance the beneficial uses of the waters of the State, provide a benefit to the public at large, and that, at the time they are included in an ACL action, are not otherwise required of the discharger. State provides 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 2023 to 31 August 2023, the chart below summarizes total monetary penalties that were issued by the Central Valley Water Board. A total of \$357,231 in monetary penalties (Liability payable to CAA, CP and SEP) were issued during this period, of which \$0 was allocated for CPs.

CLEANUP SUCCESSES

**Enforcement Table 7 – Region 5 Cleanup Action Summary
1 July 2023 through 31 August 2023**

Programs	Actuals: Permits or Issued	% Complete = Actuals/ Original Target	Revised Target	Total # of Permits Issued
New DoD Sites into Active Remediation	0	0%	NA	NA
New SCP Sites into Active Remediation	2	13%	NA	NA
Cleanup Program Sites Closed	2	7%	NA	NA
New UST Sites into Active Remediation	0	0	NA	NA
Underground Storage Tank Sites Closed	0	0	NA	NA

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 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

E-J AUTOMOTIVE, SHASTA LAKE CITY, SHASTA COUNTY

A UST case associated with this former automotive center was closed in 2009. Following a complaint of a sheen observed in the adjacent creek, staff reopened the UST case in 2020. Since then, the case was added to the Stalled Case Initiative, and in 2023 was added to the Expedited Claim Account Program and re-enrolled into the UST Cleanup Fund. Presently, staff are reviewing a workplan for site investigation activities.

SITE CLEANUP PROGRAM SUCCESSES

REDDING

UNION PACIFIC RAILROAD, DUNSMUIR, SISKIYOU COUNTY

The Discharger is under a 2019 Central Valley Water Board CAO and a 2021 USEPA Clean Water Act Order to address unauthorized petroleum releases from the historic operations of their North Dunsmuir Railyard to the adjacent Upper Sacramento River. The first phase of the remedial action is excavation of an estimated 92,000 cubic yards of contaminated soil along 1,600 linear feet of shoreline. Excavation began in 2022, resumed in mid-June 2023, and is expected to continue until the end of the 2024 construction season. Challenges include dewatering to excavate below the water table, managing resulting petroleum seeps from the walls of the excavation and protection of wildlife, shoreline restoration, and worker safety. Staff perform regular field inspections and are active in decisions made by Unified Command, which consists of Union Pacific Railroad Company, California Department of Fish and Wildlife, USEPA, and the Regional Board.

HARTNELL CLEANERS, REDDING, SHASTA COUNTY

Staff responded to an anonymous complaint of PCE discovered during the sale of a dry cleaner by providing guidance during follow-up soil gas and indoor air sampling. The results of this sampling showed only low level concentrations that did not warrant opening a site cleanup case.

EMERGENCY RESPONSE ACTIVITIES

The Central Valley Water Board routinely receives and responds to the Governor's Office of Emergency Services (OES) Hazardous Material Spill Reports (Spill Reports). The Redding office has tasked four staff in our office in receiving and if necessary, responding to these OES spill reports. Table 1 provides a summary of spill reports

received by the Central Valley Water Board’s Redding office between 1 July 2023 and 13 September 2023.

**Emergency Response Activities Table 1
Spill Reports Received by the Central Valley Water Board’s Offices
Between 1 July 2023 and 13 September 2023**

	Total Spill Reports Received	Total Spill Reports that Required No Action	Total Spill Reports that Required Follow up	Total Spill Reports that Required Further Actions	Total
Sacramento	211	163	48	1	423
Redding	36	32	4	1	73
Fresno	143	113	20	1	277
Total	390	308	72	3	773

SPECIAL FOCUS AREAS

DELTA ACTIVITIES

DELTA REGIONAL MONITORING PROGRAM (DELTA RMP)

Board staff continued to attend Steering Committee and other Delta RMP meetings to provide support for the program and implementation and for Board Resolution R5-2021-0054.

The Central Valley Water Board reviewed the FY23/24 Monitoring Workplan submitted to the Central Valley Water Board on 1 May 2023, requested revisions and reviewed the revised workplan submitted on 08 September 2023. The Monitoring Workplan is an annual deliverable required by Board Resolution R5-2021-0054. Board staff and the State Water Board Quality Assurance Officer reviewed the FY23/24 Quality Assurance Project Plans and Amendments and provided feedback to the Delta RMP.

The Central Valley Water Board provided the list of relevant water quality metrics to the Delta RMP based on monitoring projects identified in the FY23/24 Monitoring Workplan.

Board staff continued participation in the Delta RMP’s Nutrients Technical Advisory Committee (TAC) to assist in the development of a multi-year nutrient study plan based on needs identified in the Delta Nutrient Research Plan (modeling future nutrient scenarios, controlled nutrient and phytoplankton growth studies and harmful algal bloom monitoring).

DELTA NUTRIENT RESEARCH PLAN

Board staff are implementing the Delta Nutrient Research Plan (Resolution R5 2018-0059) through special studies and coordination with the Delta Regional Monitoring Program’s focus on nutrients.

- Board staff continued work on a Proposition 1 grant-funded project monitoring cyanotoxins in clams and water in the Delta. Sampling for the 2023 bloom season began in July and will be complete in October. Staff is also preparing all project data for submission to the CEDEN database.

NITRATE CONTROL PROGRAM – EARLY ACTION PLAN DRINKING WATER IMPLEMENTATION

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). [Adoption Resolution with Final Staff Report and Basin Plan Amendment language](#) can be found on the following CV-SALTS webpage at

(https://www.waterboards.ca.gov/cvsalts/salt_nitrate_bpa/).

As required by the Nitrate Control Program, Early Action Plan (EAP) implementation to provide safe drinking water to impacted communities began on 07 May 2021. As of 8 September 2023, Priority 1 Management Zones have collectively reported the following metrics:

Table 1. Priority 1 Management Zone (MZ) Program EAP Implementation Totals (as of 8 September 2023)

EAP Metric	Total (all MZs)	Turlock/ Modesto	Kings	Kaweah	Tule	Chow-chilla
Initial Estimate of Impacted Wells	~13,000	>5,000	>5,000	<1,000	<1,000	<1,000
Inquiries/Interest/calls	11,116	2,171	2,499	3,206	3,110	130
Testing Applications Submitted	4,128	1,065	2,298	310	378	77
Referred to Other Programs	862	194	419	81	159	9
Eligible Applications	3,116	871	1,729	229	219	68
Not Yet Responded	838	123	638	21	36	20
Wells Tested/ Scheduled/ Known	1,891	614	833	220	172	52
Above 10 mg/L	1,021	398	364	182	65	12
Average Percent over 10 mg/L	54%	65%	44%	83%	38%	23%

EAP Metric	Total (all MZs)	Turlock/ Modesto	Kings	Kaweah	Tule	Chow- chilla
Households receiving bottled water	1,175	446	453	181	77	18
Fill Station (FS) Locations	8	0	3	2	3	0
FS Average Gallons per Day	1,998	0	442	126	763	0
Total Households/ equivalents	2,174	446	674	244	459	18

Management Zones in the Priority 1 basins submitted Management Zone Implementation Plans (MZIPs) to the Central Valley Water Board on 5 September 2023. Staff are reviewing these documents to determine if they meet the Basin Plan requirements. [Management Zone Implementation Plans](#) can be found at

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

SURFACE WATER AMBIENT MONITORING PROGRAM (SWAMP)

LOWER AMERICAN RIVER BENEFICIAL USE ASSESSMENT

The Lower American River has been listed as impaired due to fecal indicator bacteria on California’s 303(d) List. SWAMP is conducting monitoring to investigate the elevated indicator bacteria. To keep the public and local agency partners informed about current conditions, SWAMP monitors swimming beaches and recreation areas along the Lower American River and mouth of Steelhead Creek. New *E. coli* results are posted to an interactive [online map](#) each week which can be viewed at

(<https://arcg.is/1LXHmf0>).

SWAMP also coordinated with local agencies on a study to identify the sources of fecal pollution to the Lower American River. To make the most of limited resources and collect a high-resolution dataset, the study was conducted in two phases. Phase 1 of the study was completed in 2020 and targeted the 3-mile reach from Paradise Beach to Sutter’s Landing Regional Park. Monitoring for Phase 2 was completed in 2022 and focused on dry weather sources in the river reach from Sutter’s Landing Regional Park to the confluence with the Sacramento River.

Microbial source tracking (MST) analysis of samples with elevated *E. coli* indicated that birds are the largest and most consistent source of contamination in this section of the river. Dogs are also a source of contamination in some areas, while humans were not a significant or consistent source during the study period. More information is available in the [Phase 1 Data Summary](#) at

(https://www.waterboards.ca.gov/centralvalley/water_issues/swamp/report_summary_sheet/lar_ph1_ds.pdf).

and [Phase 2 Data Summary](#) at

(https://www.waterboards.ca.gov/centralvalley/water_issues/swamp/report_summary_sheet/lar_ph2_21.pdf).

SUMMER 2023 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. Staff are developing plans for the Summer 2023 assessments, although monitoring has been delayed due to high river levels and unsafe conditions. Staff will also conduct a microbial source tracking study next year in the Squirrel and Wolf Creek watersheds in Nevada County.

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

(https://www.waterboards.ca.gov/centralvalley/water_issues/swamp/r5_activities/2021_r_bua/).

CYANOBACTERIA AND HARMFUL ALGAL 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. In 2021, the FHAB program released the California Water Boards' Framework and Strategy for Freshwater Harmful Algal Bloom Monitoring (FHAB Monitoring Strategy). Board staff have begun implementing the FHAB Monitoring Strategy in the Central Valley through the development of partner monitoring efforts.

As part of the FHAB program, a [California Harmful Algal Blooms Portal](#) at

(<https://mywaterquality.ca.gov/habs/>).

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

(<https://mywaterquality.ca.gov/index.html>).

The [FHAB Monitoring Strategy](#) full report can be found at

(https://ftp.sccwrp.org/pub/download/DOCUMENTS/TechnicalReports/1141_FHABStrategy_FullReport.pdf).

And the FHAB Monitoring Strategy [Executive Synthesis](#) and [Factsheet](#) can be found at (https://ftp.sccwrp.org/pub/download/DOCUMENTS/TechnicalReports/1141_FHABStrategy_Synthesis.pdf) and

(https://ftp.sccwrp.org/pub/download/DOCUMENTS/FactSheets/1141_FHABStrategy_FactSheet.pdf).

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.

When human or animal illnesses or deaths are reported, an interagency HAB illness team investigates each case. The team is comprised of the California Department of Public Health, the Office of Environmental Health and Hazard Assessment, the State Water Board, and the California Department of Fish and Wildlife. Using case specific information, the team determines whether each case may have been caused by HABs or whether the incident was due to other causes. Cases that are suspected to be HAB related are reported to the Centers for Disease Control and Prevention (CDC) [One Health Harmful Algal Bloom System](#) at

(<https://www.cdc.gov/habs/ohhabs.html>).

More information on how freshwater [HAB related illness](#) tracking in California can be found at

(https://mywaterquality.ca.gov/habs/hab-related_illness.html).

CENTRAL VALLEY CYANOBACTERIA AND HARMFUL ALGAL BLOOMS

Cyanobacteria and HABs 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.

A summary of HABs reported as of 11 September 2023 is provided in Cyanobacteria Table 1 below.

HABs Table 1. Bloom Summary of active advisories (as of 11 September 2023)

Category	Count
Number of locations with active caution advisories ¹	14
Number of locations with active warning advisories ¹	9
Number of locations with active danger advisories ¹	7

Table Notes:

¹ The FHAB Program defines an active advisory as one with a confirmed observation within the last 30 days, in this case, all observations since 10 August 2023. Advisory levels are based on the FHAB Trigger levels for signage posting. This [guidance for planktonic blooms](#) is found at

(https://mywaterquality.ca.gov/habs/resources/habs_response.html#posting_guidance)

and for [benthic blooms](#) at

(https://mywaterquality.ca.gov/habs/resources/benthic_posting_guidance.html).

GRANT OVERSIGHT

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

Approximately \$4 million each year is awarded to the Water Boards 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](#) at

(www.waterboards.ca.gov/water_issues/programs/nps/319grants.shtml).

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

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

The Delta Conservancy will develop, certify, and implement Farm Water Quality Improvement Plans through the Fish Friendly Farming Program to reduce the generation and transport to waterbodies of agricultural chemicals, sediment, and nutrients from sites within the Sacramento-San Joaquin Delta. (Closing 2/28/2024)

BUTTE CREEK CAMP FIRE POST-FIRE RECOVERY PROJECT (\$785,524)

The Butte County Resources Conservation District (BCRCD) will implement erosion and controls measures for a 2.4-mile section of Centerville Road in central Butte County, north of Butte Creek within the perimeter of the Camp Fire. The project will implement road upgrades at twenty-four erosion sites which will reduce discharges of sediment to Butte Creek. (Closing 8/31/2024).

TIMBER REGULATION AND FOREST RESTORATION FUND ON-GOING GRANTS

TITLE OF GRANT AND AMOUNT

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

The purpose of the project is to fix select priority Significant Existing and Potential Erosion Sites (SEPES) on the Eldorado National Forest (ENF) that were identified on haul routes associated with timber sales implemented under the King Fire Restoration Project (KFRP). Stream crossing structure replacement, road drainage improvements, road reconditioning, armoring of structures, rebuilding of fill slopes, and landslide removal are among the work expected. Funding will be used to replace multiple large failed and at-risk stream crossing structures with an emphasis on designing crossings to accommodate a 100-year event, plus associated sediment, and debris. CEQA has been completed. A Notice of Exemption was approved and concurred by State Board in July and filed with the Clearinghouse on August 26, 2020.

Due to delays in the project the grantee has requested grant amendment and time extension which was submitted on 4 April 2020. The grant amendment also requested a reduction in minimum treatment sites from 12 to 6. The grant extension was approved on 2 November 2022. In September 2022 a contract was awarded, however mobilization to the site was delayed towards the end of the month due to the Mosquito Fire that was burning within the drainage. As of December 2022, proposed site work has been completed. The grantee is currently preparing a Final Project Summary Report. (Closing 2/28/2024)

OUTREACH

*Denotes "Outreach to Disadvantaged Communities" or "Outreach to Tribes."

On 11 July 2023, Central Valley Water Board Members Denise Kadara and Elena Reeder, Central Valley Water Board Executives Patrick Pulupa and Adam Laputz, and Central Valley Water Board staff Angela Llaban, Jennie Fuller, True Khang, Cindy Au-Yeung, and Hannah Dailey attended a Nitrate Control Program Implementation Drinking Water Program meeting. Topics included outreach and public engagement for the

Drinking Water Program and the anticipated Central Valley Water Board review process for the Management Zone Implementation Plans.

*On 13 July 2023, Adriana Ross conducted outreach with the Pit River Tribe concerning water quality. A planned tour with the Water Board will take place on 11 October 2023.

On 17 July 2023 and 8 August 2023, staff sent an outreach letter to the property owner and occupant of a residence to notify them of the PCE impacts in groundwater observed in a monitoring well on their property. In the letter, staff asked if they would like staff to sample the indoor air of the residence. The property owner and occupant did not respond. The monitoring well is associated with a UST case on the 3100 block of E. Main Street, Stockton, San Joaquin County. Staff has not identified a source or a responsible party for the PCE release.,

*On 18 July 2023, Dania Jimmerson delivered a presentation to representatives from Butte County and Magalia CSD regarding the Wastewater Consolidation Program and available funding. Magalia CSD's situation is unique, as it is part of the 2018 Town of Paradise disaster recovery efforts. During this meeting, the county explored the eligibility of the project for grant funding, specifically for new development rather than infill development, considering the fire-related impacts. After subsequent communications with DFA, it was determined that neither new development nor infill development is currently eligible for funding (grant or loan) according to DFA's CWSRF IUP. Grant funds are intended to benefit residents currently residing in residential homes, and DFA does not have disaster relief funding (ASADRA) available for Clean Water projects.

*On 20/21 July 2023, Adriana Ross attended (in person) a Water Boards staff meeting between the Environmental Justice Roundtable representatives, Tribal Coordinators, and Office of Public Participation. The meeting included a panel presentation from Clear Lake tribal representatives, Water Boards water rights staff, and others who shared about their current work to save the chi as well as the lessons learned from their collaboration. The meeting also included a grounding on tribal affairs, an opportunity to hear from Tribal Coordinators, and an open space for EJ Roundtable participants who shared the work they are leading with the Big Valley Band of Pomo Indians.

In August 2023, staff in the Federal Cleanup Unit worked with the Office of Public Participation to translate a letter to the Gurdwara Prabh Milne Ka Chao Institute of Divine Studies into Punjabi. The letter was previously prepared in English and the recipients did not respond. The submittal requests the property owner to allow the United States Air Force to collect a groundwater sample from their domestic drinking water well for per- and polyfluoroalkyl substances (PFAS) analysis at no charge. The letter also includes applicable background information regarding PFAS and two Fact Sheets from the United States Environmental Protection Agency.

On 7 August 2023, Central Valley Water Board Executives Patrick Pulupa and Adam Laputz, and Central Valley Water Board staff Angela Llaban, Scott Hatton, Jennie Fuller, True Khang, Cindy Au-Yeung, Bethany Soto, and Hannah Dailey attended a

meeting regarding Management Zone Implementation Plans. Topics included a summary of Management Zone Implementation Plan approaches.

On 9 August 2023, Central Valley Water Board Executive Adam Laputz and Central Valley Water Board staff Angela Llaban, Jennie Fuller, and Hannah Dailey attended a meeting for the Regulatory and Policy subcommittee of the CV-SALTS Executive Committee for the Salt Control Program Prioritization and Optimization Study. Topics included discussion of the draft Guidance for Salinity Threshold Setting and the future draft Anti-degradation Guidance document.

On 10 August 2023, Central Valley Water Board Executive staff Adam Laputz and Central Valley Water Board staff Jennie Fuller and Hannah Dailey attended a meeting for the Modeling Subcommittee of the CV-SALTS Executive Committee for the Salt Control Program Prioritization and Optimization. Topics included discussion of status and results of the current modeling of the three Central Valley Basins.

*On 15 August 2023, Adriana Ross attended (virtually) the monthly IVAN Fresno Task Force Meeting.

*On 15 August 2023, Adriana Ross attended (virtually) the EPA National Environmental Justice Community Engagement call. EPA environmental justice work enhances the opportunity to maintain an open dialogue with environmental justice advocates.

On 15 August 2023, Griffin Perea, Senior Engineering Geologist with the Central Valley Water Board's Redding office, participated in a Greater Battle Creek Watershed Working Group (GBCWWG) meeting. The GBCWWG is generally comprised of various stakeholders such as landowners, Federal and State agencies, regional resource conservation districts and other non-governmental organizations. The purpose of the GBCWWG is to aid in facilitating, identifying, reviewing, and coordinating restoration activities within the watershed. The GBCWWG meets quarterly to discuss items of interest related to activities within the Battle Creek watershed. In efforts to track and prioritize issues of concern to the group they have developed an Issues Tracking Spreadsheet. This spreadsheet is used to highlight concerns that members of the group have and is used to prioritize, track status and resolutions of any issues identified within the group. This quarter's meeting the working group members and stakeholders provided updates on projects their organizations were working on within the watershed. Additionally the working group also discussed the issue tracking document and voted on ranking the priorities of issues within the watershed.

*On 15 August 2023, Dania Jimmerson participated in the monthly IVAN Fresno Task Force Meeting, which was organized by the Central California Environmental Justice Network. Attendees included various state, federal, and local agencies, such as Cal Recycle, CDP, DTSC, CalEPA, and Fresno County. The primary focus of this Working Group is to coordinate compliance assistance and enforcement efforts in California's most disadvantaged communities, where multiple pollution sources pose a disproportionate risk to residents. For its initial initiative, the Working Group chose the City of Fresno and its surrounding unincorporated areas, aiming to reduce pollution's

impact on the local population. During this meeting, Dania Jimmerson provided an update on the wastewater consolidation projects in the Lanare CSD and West Park communities, collaborating with Riverdale PUD and the City of Fresno, respectively.

*On 17 August 2023, Adriana Ross attended (virtually) and participated in the Tribal Beneficial Workgroup (TBUWG) which is a quarterly conference where each region reports on the integration of Tribal Beneficial Uses (TBUs) into Regions and DWQ's respective Basin Plans.

*On 24 August 2023, Adriana Ross attended (virtually) the monthly IVAN Tulare Task Force Meeting.

On 31 August 2023, Cannabis staff hosted the first outreach event of FY 2023/24. Staff presented on the Cannabis General Order geared towards New Enrollees.

On 8 September, Janis Cooke participated in a quarterly meeting of the Interagency Ecological Program Phytoplankton and Water Quality Project Work Team. Topics included progress on standardizing phytoplankton datasets collected over decades and updates by participants of their current projects.

On 11 September 2023, Central Valley Water Board Member Elena Reeder, Central Valley Water Board Executives, manager and staff, Patrick Pulupa, Adam Laputz, Meredith Howard, and Alisha Wenzel met with members of the Save the American River Association and staff from Sacramento Area Sewer District/Regional San. The discussion focused on recreational water quality on the Lower American River and findings from the bacteria source identification study.

*On 11/12 September 2023, Adriana Ross attended (virtually) the Environmental Justice Symposium. The conference's overarching focus is on environmental justice issues (and actions), conversations to include watersheds, environmental justice communities, and empowering community stakeholders, etc.

*On 12 September 2023, Adriana Ross participated (virtually) in the monthly IVAN Fresno.

PERSONNEL AND ADMINISTRATION

STAFFING UPDATES – 1 JULY 2023 – 31 AUGUST 2023

PROMOTIONS

Jameela Zaghmouri – WRCE

George Low – SR ENGRG GEOLOGIST (SPEC.)

Erin Jonasson – ENVIRONMENTAL SCIENTIST

NEW HIRES

Alessandra Arif – SCIENTIFIC AID
Michael Fenner – SEASONAL CLERK
Bret Sample – ENGINEERING GEOLOGIST
Jesse Milliken-Callan – WRC ENGINEER
Virat Kang – WRC ENGINEER
Emma McCluskey – SCIENTIFIC AID
Guranand Singh Nahal – SCIENTIFIC AID
Johnathan Reyes – SCIENTIFIC AID
Marco Rodriguez Castro – SCIENTIFIC AID
Satori Wilkinson – SCIENTIFIC AID

RETIREMENT

William Brattain – WRC ENGINEER
Ron Falkowski – ENGINEERING GEOLOGIST

SEPARATIONS

Paige Pearson – SCIENTIFIC AID
Abraham Aghazeynali– SCIENTIFIC AID
Michelle Snapp – WRC ENGINEER
Maria Lovato – STAFF SERVICES MANAGER I
Harihar Nepal – ENVIRONMENTAL SCIENTIST

SUMMARY OF POSITIONS

Total Authorized Positions: 304.2
Total Temporary Positions: 23.0
Total Vacant Positions: 30.0

Sacramento

Authorized Positions: 154
Temporary Positions: 13.0
Vacant Positions: 17.0

Fresno

Authorized Positions: 79.0

Temporary Positions: 3.0

Vacant Position: 6.0

Redding

Authorized Positions: 49.7

Temporary Positions: 6.0

Vacancies: 9.0

TRAINING UPDATES – 1 JULY 2023 – 31 AUGUST 2023

Class Title	Number of Attendees
2023 ESRI User Conference	1
Accessing Cornerstone Training	1
Adobe Acrobat DC Essentials	1
'An Ode to Spot' - by Data	16
Art of Assertiveness (Part 1 of 9): The Meaning of Being Assertive	1
Ask Effective Questions	2
Being a Great Mentor or Mentee	1
Big Data for Beginners	1
Brain Bites: Time Management	6
Build a Visual Schedule	2
Change One Habit That Will Change Everything	1
Communication Toolkit: Transparency	1
Computer and Text Neck Stretching Exercises	1
Conflict Resolution	1
Contaminants of Emerging Concern in California: Toxicity, Transport, Fate, Remediation, and Regulation	3
Cornerstone Academy 101 for Non-Supervisory Staff	31
COVID-19 Awareness	3
Critical Thinking 101	1
Customer Service 101: Assisting Upset Customers	1
Customer Service 101: Connecting with Customers	1
Customer Service 101: Defining Your Customers	1
Customer Service 101: Do You Have What It Takes?	1
Customer Service 101: Factors of the Customer Experience	1
Customer Service 101: Steps for Success	1
Customer Service: A Playful Way to Annoy Your Customers	2
Customer Service: Dealing with Irate Customers	2
Customer Service: Follow Every Rule	2

Class Title	Number of Attendees
Customer Service: Little Things Matter	2
Customer Service: Pay Attention to Your Environment	2
Customer Service: Sound Excited Already!	2
Customer Service: The Basics of Bad Customer Service	2
Customer Service: Using Proper English and Grammar Can Only Hurt Your Career	2
Customer Service: Your Wait Time is Approximately...Forever	2
Dealing With Difficult People and Situations: Principles of De-Escalation	2
Effective Writing Skills	1
Effective Writing Skills: Getting Started on Your Writing Project	1
Email Etiquette for Using To, Cc and Bcc	1
Equal Employment Opportunity SB1343: Workplace Rights and Responsibilities	2
Essential Analytical Skills	1
Excel - Creating Dashboards	1
Excel 2016 Spotlight - Analyzing Data with Lookup Functions	1
Excel 365 Advanced	1
Excel 365 Beginner	1
Excel 365 Intermediate	1
Field Safety Training	1
Get People Excited to Help You on Your Career Plan	1
Give Effective Feedback to Colleagues	1
Handling Difficult Conversations: Micro-course	1
How Conversations Work	1
How to Ask for Remote Flexibility	1
How To Attend a Conference as a Water Boards Employee	4
How To Listen	1
How to Start and End a Professional Email	1
How Your Job Can Lead to Your Ideal Career	1
Job Interview Practicals - Complete Interview Skill Training	1
Keep Emails Clear and Focused	1
Make Your Emails Easy to Read	1
Microsoft 365 Forms - Beginner	1
Microsoft 365 Outlook Web App - Beginner	1
Microsoft 365 Teams - Beginner	1
Microsoft Excel 2016 - Dummies	1
Microsoft Office 2016 - Dummies	1
Microsoft Teams in 30 Minutes (2021)	2
Nonverbal Communication	3
Nudge: Influencing Others to Take Action	2

Class Title	Number of Attendees
Outlook 365 - Beginner	2
Phone Etiquette: Take and Leave Phone Messages Like a Pro	1
Practice Clear Writing	2
Practice: Solve a Problem with Design Thinking	1
Presentational Speaking Crash Course: Content	1
Professional Engineer and Geologist License Examination Preparatory Course Request Overview	12
Project Management Fundamentals	1
Proofread Your Writing	1
Public Speaking Mastery - 10 Tips for Effective Speaking for Business Owners	1
Respect Others' Time	1
Respond to Emails On-time	1
Review Processes to Reduce Complexity	1
Self-Assess Your Mental Wellness	1
Structure a Meaningful Presentation	1
The Difference Between Writing at Work and Writing Outside of Work	1
The Five Most Common Diversity Gaps	1
The Impact of Disability Inclusion on Workplace Productivity	1
The Right Way to Check Your Email	1
The Rules Have Changed: Confronting Systemic Racism	1
The Science of Bias	4
Three Important Rules for Stress Relief	1
Time Management Overview	1
Tips for Working Remotely Across Cultures	1
Unconscious Bias in Leadership Theories	1
Uncover the Story Hiding in Your Diversity Data	1
Understanding the Scars of Diversity	1
Use Inclusive Communication as a Manager	1
What Does It Mean to Have an Inclusive Team?	1
What to Do if You Spot a Microaggression	1
What's Your Communication Style?	1
Why Patience Matters on Your First Job	1
Why Your Group's Diversity Is an Asset	1
Word 365 - Beginner	1
Write Valuable Email Subject Lines	1
Your Guide to Office Small Talk	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
22-025-150-1	Pitney Bowes	Postage Machine Maintenance and Service (Rancho, Redding & Fresno)	7/1/2022	6/30/2024	\$11,815.40
22-026-150	Department of Water Resources	Drone Aerial Surveillance (Rancho Cordova Office)	7/1/2022	6/30/2025	\$59,999.60
23-025-150	Air Shasta Rotor & Wing, Inc.	Helicopter aerial surveillance services (Rancho Cordova office – SB 901 funds)	7/1/2023	6/30/2024	\$20,000
23-026-150	Air Shasta Rotor & Wing, Inc.	Helicopter aerial surveillance services (Redding office – SB 901 funds)	7/1/2023	6/30/2026	\$85,000

Water Quality Study/Planning

Contract Number	Contractor Name	Description	Start Date	End Date	Amount
20-005-150	United States Geological Survey	Development of a three-dimensional model of hydrodynamic mixing within Keswick Reservoir.	12/1/2020	11/30/2023	\$250,000

Contract Number	Contractor Name	Description	Start Date	End Date	Amount
21-026-150-1	United States Geological Survey	To study the occurrence, distribution, and sources of Sacramento Splittail deformities believed to be caused by selenium in the San Joaquin River, Sacramento River, and Delta system.	9/20/2021	3/31/2024	\$100,000
22-028-150	Department of Water Resources	Support for Sacramento Water Coordinated Monitoring	10/1/2022	9/30/2027	\$875,000
23-005-150	66 Training Service, LLC	NPS Training Module Development	7/26/2023	6/30/2026	\$195,150
23-007-150	Regents of UCCE Fresno	Assist small-scale, diversified, and socially disadvantaged farmers in Fresno County with compliance for the Irrigated Lands Regulatory Program (ILRP)	7/1/2023	6/30/2026	\$149,998

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.

DECEMBER 2023 BOARD MEETING

NPDES PERMITTING

- American Valley CSD WWTP Permit Renewal
- Bear Valley Community Services District WWTF Permit Rescission (placed under WDRs)
- City of Colfax WWTP Permit Rescission (placed under Municipal General Order)
- City of Jackson WWTP Permit Rescission (placed under Municipal General Order)

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISCHARGE TO LAND

- Bronco Winery (Revised WDRs)
- Low Threat Waiver Renewal (R5-2018-0085)
- City of Lemoore and Leprino Foods Co., Stone Ranch Property (Revised WDRs)

FEBRUARY 2024 BOARD MEETING

NPDES PERMITTING

- San Andreas Sanitary District WWTP Permit Renewal
- City of Lincoln WWTF Permit Renewal
- Ironhouse Sanitary District WWTF Permit Renewal
- City of Clovis WWTF Permit Renewal
- City of Dunsmuir WWTP Permit Renewal
- Yuba City WWTF Permit Renewal

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISCHARGE TO LAND

- Bogle Delta Winery (Revised WDRs)
- Sandridge Cattle Processing (New WDRs)
- Sierra Nevada Cheese (Revised WDRs)

APRIL 2024 BOARD MEETING

NPDES PERMITTING

- Shasta CSA #17 Cottonwood WWTP Permit Renewal
- City of Rio Vista Beach WWTF Permit Renewal
- City of Portola WWTP Permit Renewal
- City of Brentwood WWTP Permit Renewal

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISCHARGE TO LAND

- Boundary Bend Olives (Revised WDRs)
- Vulcan Austin Quarry (New WDRs)

- Pacific Coast Producers (Revised WDRs)

PENDING ACTIONS BUT NOT YET SCHEDULED FOR A BOARD MEETING

NPDES PERMITTING

- SPX Marley Cooling Technologies Permit Renewal
- City of Davis WWTP Permit Renewal
- City of Vacaville Easterly WWTP Permit Renewal

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISCHARGE TO LAND

- Bear Valley CSD WWTF (Revised)
- Boundary Bend Olives (Revised)
- CDCR Mule Creek State Prison (Revised)
- City of Lone Tertiary Treatment Plant (Revised)
- California Dairies Inc., Tipton Milk Processing Facility (Revised)
- City of Arvin WWTF (Revised)
- Fowler Packing (Revised)
- General Order for Medium to Large Domestic Wastewater Treatment Facilities (New)
- General Order for Fruit and Vegetable Packing (New)
- General Order for Nut Hulling & Processing (New)
- Morning Star Packing Company (Revised)
- Rabbo Bros. (Revised)
- Teichert Hallwood (Revised)
- Teichert Vernalis (Revised)
- Teichert Woodland (Revised)
- Turner Road Vintners (Revised)
- Tucson Ridge Development WWTF (New)
- Ventura Coastal Corporation (Revised)
- Woodbridge Winery (Revised)

ATTACHMENT A

ATTACHMENT A – SANITARY SEWER OVERFLOW SUMMARY

Sanitary Sewer Overflow (SSO) Spills – July and August 2023

Spill Cause	Count of Spill(s)	Percent (%)
No spills reported during July and August 2023	0	0%

Sanitary Sewer Overflow (SSO) Spills (TOTAL COUNTS) – July and August 2023

Office	Category 1	Category 2	Category 3	Total
5F	0	0	0	0
5R	0	0	0	0
5S	0	0	0	0
Total	0	0	0	0

- Category 1:** Discharges of untreated or partially treated wastewater of any volume resulting from an enrollee’s sanitary sewer system failure or flow condition that:
- Reach surface water and/or reach a drainage channel tributary to a surface water; or
 - Reach a Municipal Separate Storm Sewer System (MS4) and are not fully captured and returned to the sanitary sewer system or not otherwise captured and disposed of properly. Any volume of wastewater not recovered from the MS4 is considered to have reached surface water unless the storm drain system discharges to a dedicated storm water or groundwater infiltration basin (e.g., infiltration pit, percolation pond).
- Category 2:** Discharges of untreated or partially treated wastewater of 1,000 gallons or greater resulting from an enrollee’s sanitary sewer system failure or flow condition that do not reach surface water, a drainage channel, or a MS4 unless the entire SSO discharged to the storm drain system is fully recovered and disposed of properly.
- Category 3:** All other discharges of untreated or partially treated wastewater resulting from an enrollee’s sanitary sewer system failure or flow condition.

ATTACHMENT A

Sanitary Sewer Overflow (SSO) Spills (DETAILS) – July and August 2023

REGION	AGENCY	Collection System	Spill Event ID	Spill Category	Spill Location	COUNTY	Did Spill Reach Surface Waters? (Yes/No)	Spill Volume (Gallons)	Volume that Reached Surface Waters (Gallons)	Spill Date	Spill Cause
	None reported										