

EXECUTIVE OFFICER'S REPORT
19 APRIL 2024

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 Superior Accomplishment 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](#) can be viewed on the Board's website at

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

PROGRAM REPORTS

BASIN PLANNING

TRIENNIAL REVIEW

Pursuant to the Federal Clean Water Act and section 303(c) and Water Code section 13240, the Board reviews the water quality standards contained in the Water Quality Control Plan for the Sacramento River and San Joaquin River Basins and in the Water Quality Control Plan for the Tulare Lake Basin (Basin Plans) every three years. The process of soliciting information pertinent to this review and the review itself is referred to as the "Triennial Review."

The Triennial Review consists of 1) solicitation for public comments on water quality issues in the Central Valley that may need to be addressed through basin plan amendments, and 2) preparing a workplan for each Basin Plan which describes the actions the Board may take over the next three years to investigate and respond to the issues. After public input is received, the Board develops and adopts a prioritized workplan that is used to direct basin planning efforts over the next three years. Implementation of the workplan depends upon the Board's program priorities, resources, and other mandates and commitments.

The reviews of both Basin Plans are occurring concurrently. **Board staff issued the solicitation for public comments on 5 January 2024. The 45-day solicitation period ended on 21 February 2024.** Board staff are reviewing the comment letters received during and using them to inform the development of the draft 2024 Triennial Review Workplan.

More information on the Triennial Review process, including the 2021 Workplan, can be accessed at the [Central Valley Water Board's Basin Plan Webpage](#) at:

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

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 (TMDLs) for pyrethroid pesticides in certain impaired water bodies. The State Water Board approved the BPA on 10 July 2018. The Office of Administrative Law (OAL) approved the BPA on 19 February 2019. On 22 April 2019, USEPA approved the BPA. The BPA, including the 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 five Phase I MS4 permittees have complied with the Orders and submitted Plans. Four of the five Phase I MS4 permittees reported exceedances of the prohibition triggers and are implementing their approved PMPs. In March 2024, the City of Modesto reported an exceedance of the prohibition triggers in the January monitoring event, and, per the Order, has committed to submit the required PMP by January 2025.

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, developed and received approval for PMPs. The joint baseline monitoring for County of Lake and the Cities of Clearlake and Lakeport is expected to end in early 2024. 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, 46 submitted PMPs and all have been approved. Board staff continue to work with 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).

Board staff hosted a workshop on 01 August 2023 to provide participants with an opportunity to discuss the Board's Draft Pyrethroid Research Plan. Board staff met with MS4 Phase II entities on 16 August.

Board staff hosted a second hybrid workshop on 12 March 2024 to discuss the proposed revisions based on feedback obtained through meetings and written comments provided during the public comment period. Board staff are available for additional meetings as requested by the regulated community, Tribes, or other interested parties.

The public comment period closed on 18 September 2023, and Board staff are developing a Response to Comments and revising the Draft Pyrethroid Research Plan. Once revisions are complete, Board staff will present the Pyrethroid Research Plan to the Board for adoption. Once determined, the date for the public hearing for Board adoption will be publicly noticed.

DELTA METHYLMERCURY CONTROL PROGRAM/TMDL

The Delta Methylmercury TMDL and associated program of implementation, collectively referred to as the Delta Mercury Control Program (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. Board staff will use information from these studies and recommendations from both Panels to consider revisions to the DMCP, referred to as the DMCP Review. ADA-compliant versions of the [Review Panel's Final Reports](#) can be viewed here:

(<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 modifications to the DMCP.

Board staff prepared a staff report, the DMCP Review Draft Staff Report for Scientific Peer Review (Staff Report), detailing the proposed modifications to the scientific portions of the regulations and subsequently plan to initiate the Scientific Peer Review process (including public release of the Staff Report) in 2024.

In anticipation of the submittal to Scientific Peer Review, on 04 December 2023, Board staff hosted a hybrid meeting for entities who are currently subject to Waste Load Allocations pursuant to the Delta Mercury Control Program. Board Staff presented DMCP modifications proposed within the Staff Report. Board staff plan to host a hybrid public meeting after the public release of the Staff Report.

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 17 January to 11 March 2024, no excursions were detected exceeding the applicable water quality objective.

[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.

Board staff participate in the Blue Ribbon Committee meetings. The next Blue Ribbon Committee meeting is scheduled for 16 May 2024.

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 19 December 2023 the United States Bureau of Reclamation (USBR) submitted their Annual Report summarizing activities completed by USBR in fiscal year 2023 under the Management Agency Agreement to meet obligations assigned to it by the Salt and Boron TMDL for the lower San Joaquin River. The Annual Report is available on the [USBR website](#) at

(<https://www.usbr.gov/mp/ptms/>).

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 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 have been completed and provide information on characterizing the current salinity conditions in each basin of the Central Valley.

The initial modeling outputs of current salinity conditions have also informed the Baseline Characterization Report (Part 2 that includes the salt loading). A draft of Part 2 of the Baseline Characterization Report has been reviewed and is being finalized. Next steps for the P&O Study are future modeling scenarios being conducted, evaluation of Salt Management Regions (each Region will have a specific, tailored salinity management plan), a pilot study for Salt Management Region evaluation, evaluation of Salt Management Areas (areas that may serve as salt depositories), evaluation of archetype areas, evaluation of salinity target setting, and data gathering of Groundwater Sustainability Plans.

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 (BPA) 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 approved the BPA on 7 November 2023. Board staff are preparing to submit the Administrative Record for the BPA to the Office of Administrative Law for approval. Once approval is received from the Office of Administrative Law, this BPA will become effective.

Information on the [Southern Lost Hills BPA](#) can be found at

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

McKittrick Oil Fields Area Basin Plan Amendment Evaluation

Valley Water Management Company (Valley Water) operates 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. 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. Board staff held a CEQA Scoping Meeting on 25 May 2023 in Buttonwillow, CA. Board staff are currently developing a staff report for the project.

Information on the [McKittrick Oil Fields BPA Evaluation](#) can be found at

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

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 was reviewed by Board staff and on 24 October 2023 a meeting was held to discuss the report. Board staff requested more information and CIPA agreed to provide a revised technical report to the Central Valley Water Board.

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. The administrative record package was submitted for review to the Office of Administrative Law on 30 October 2023 and approved the administrative record package on 14 December 2023 (corrected Notice of Approval issued 11 January 2024). The administrative record package was submitted for review and approval to United States Environmental Protection Agency for final approval on 29 February 2024.

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, and the Division of Water Rights).

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. Board staff hosted the most recent meeting on 2 November 2023 and are preparing to host the next meeting on 13 May 2024.

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 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 small invertebrates and algal diversity and abundance to indicate ecological health. 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. SCCWRP's streams work is focused on physically modified and constructed channels, and Northern California intermittent streams. SCCWRP's final deliverable for the streams analyses was provided to the State Water Board staff to support their policy preparation. For lakes and reservoirs, Board staff is working with SCCWRP staff to develop a data dashboard depicting eutrophic condition of lakes and reservoirs.

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

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

PERMITTING INITIATIVES

COMPOSTING FACILITIES EVALUATION

The Land Disposal Program is currently assessing the amount of effort by staff and number of sites where composting is occurring or in development. The shift to composting organic waste in California (Senate Bill 1383) has created an additional burden on staff that needs to be fully assessed. It is anticipated most composting operations will enroll under the General Order No. WQ 2020-0012-DWQ. One composting General Order has been issued for Forward Landfill in Fiscal Year 2023-2024.

GENERAL ORDERS UNDER DEVELOPMENT

Three general groups of discharges have been identified that are similar in nature and include a significant number of backlogged permits that need to be updated. The three groups include: domestic wastewater treatment plants that treat more than 100,000 gpd (mid-sized domestic), nut processing (walnut, pistachios, and almonds) operations, and fruit and vegetable packing operations. Each of our offices will take the lead in developing one of these General Orders. Redding staff will draft the mid-sized domestic general order, Rancho Cordova staff will draft the nut processing general orders, and Fresno staff draft the fruit and vegetable packing general order.

The adoption of the new General Orders will not only result in increased regulatory consistency, but it will also significantly reduce our permitting backlog within the WDR Program.

IRRIGATED LANDS REGULATORY PROGRAM (ILRP)

(ILRP) QUARTERLY STAKEHOLDER MEETINGS

The last ILRP stakeholder meeting was held on 31 January 2024, as a Zoom meeting. The primary topics of discussion were a draft workplan for acceptable AR ranges and the preliminary correlation of nitrogen efficiency to management practice implementation.

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/index.html).

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 and notify users if the drinking water standard is exceeded. 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 January and 29 February 1344 samples were submitted to GeoTracker by 689 agricultural coalition members/landowners. Approximately 11 percent of the

samples exceeded the drinking water standard. During the same period, staff sent emails/phone calls to members reminding them of the notification requirement. Out of 4339 drinking water well exceedances since the beginning of the program, staff have received 4243 notification responses. Staff continue 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 22,932 nitrogen samples being collected and entered into GeoTracker for over 13,594 wells, with approximately 32% of the wells exceeding the nitrate drinking water standard (as of 29 February 2024).

REMINDER LETTERS FOR ENROLLMENT

Water Board staff sent out reminder letters prior to 13260 directives to owners of potential commercial irrigated lands. Reminder letters are sent to potential non-filers to provide them with information on the ILRP and steps for enrolling in the program. Staff then follow up with directives as needed. Coalition areas not shown had no reminder letters mailed during the reporting period.

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 January – 29 February
San Joaquin County & Delta Water Quality Coalition	39
Total	39

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 January – 29 February
East San Joaquin Water Quality Coalition	1
Sacramento Valley Water Quality Coalition	2
Kings River Watershed Coalition Authority	1
Total	4

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 January – 29 February
East San Joaquin Water Quality Coalition	32
Total	32

NOTICES OF VIOLATION FOR FAILURE TO RESPOND TO 13260 DIRECTIVES

Notices of Violation (NOVs) were sent to those who did not respond to a 13260 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 January – 29 February
Sacramento Valley Water Quality Coalition	26
San Joaquin County & Delta Water Quality Coalition	13
Total	39

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, NOVs were issued to those who did not respond to the Directive letters. Staff sent reminder letters to owners of parcels who have been identified as potential commercial irrigated lands. Staff also completed several on-farm inspections to evaluate compliance with program requirements. There is no enforcement occurring beyond NOVs currently. Staff work closely with the agricultural water quality coalitions throughout the compliance and enforcement process.

SACRAMENTO RIVER WATERSHED COALITION GROUPS

ILRP Acronyms

Acronyms	Meaning
AMPINAR	Annual Management Practice Implementation and Nitrogen Management Report
AMR	Annual Monitoring Report
GQTM	Groundwater Quality Trend Monitoring
HVA	High Vulnerability Area
INMP	Irrigation Nitrogen Management Plan
TMDL	Total Maximum Daily Load

CALIFORNIA RICE COMMISSION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
12/20/2023	AMR	Approved 2/1/24	

SACRAMENTO VALLEY WATER QUALITY COALITION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
10/24/23	2023 HVA Update	Under review	
12/1/23	2022 AMPINAR	Approved 1/26/24	
12/21/23	5-Year GQTM	Approved 1/26/24	

Submittal Date	Item	Review Status	Notes
7/24/23	Sac Valley TMDL Chlorpyrifos Monitoring Reduction	Approved 2/20/24	Unsure of submittal date
12/13/23	5-Year INMP Reporting Change Request	Approved 2/20/24	

SAN JOAQUIN RIVER WATERSHED COALITION GROUPS

ILRP Acronyms

Acronyms	Meaning
AMR	Annual Monitoring Report
AMPINAR	Annual Management Practice Implementation and Nitrogen Application Report
MPU	Monitoring Plan Update

EAST SAN JOAQUIN WATER QUALITY COALITION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
12/18/23	Mgt Plan Completion Request	Approved 1/26/24	
1/15/24	MPU Addendum	Under review	
2/29/24	Chlorpyrifos sediment monitoring reduction	Under review	

SAN JOAQUIN COUNTY AND DELTA WATER QUALITY COALITION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
12/17/23	Mgt Plan Completion Request	Approved 1/26/24	
1/16/24	MPU Addendum	Approved 2/6/24	
1/11/24	Monitoring sediment chlorpyrifos cessation	Approved 1/26/24	

WESTSIDE SAN JOAQUIN RIVER WATERSHED COALITION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
11/30	AMPINAR	Approved 2/23	
12/15	MPU 2024-25	Approved 1/26	

GRASSLAND DRAINAGE AREA COALITION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
No updates			

TULARE LAKE BASIN COALITION GROUPS

ILRP Acronyms

Acronyms	Meaning
SQMP	Surface Water Quality Management Plan
CGQMP	Comprehensive Groundwater Quality Management Plan
WY	Water Year

BUENA VISTA COALITION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
No updates			

CAWELO WATER DISTRICT COALITION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
11/10/2023	Pesticide Evaluation Protocol 2024 Update	Conditionally Approved 1/9/2024	

KAWEAH BASIN WATER QUALITY ASSOCIATION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
08/31/2023	2022 CGQMP Annual Status Report	Review issued 1/23/2024	

KERN RIVER WATERSHED COALITION AUTHORITY

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
08/31/2023	SQMP 2022 Annual Status Report	Review issued 2/13/2024	
10/05/2023	Pesticide Evaluation Protocol 2024 Update	Conditionally approved on 01/26/2024	
10/30/2023	2024 Surface Water Monitoring Plan Update	Approved 1/18/2024	

Submittal Date	Item	Review Status	Notes
2/9/2024	Chanac Creek SQMP pH Addendum	Pending review	

KINGS RIVER WATER QUALITY COALITION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
05/01/2023	Groundwater Quality Trend Monitoring Workplan Update	Additional information requested by 5/1/2024	
08/01/2023	Comprehensive SQMP	Conditionally approved on 1/19/2024	
01/25/2024	Surface Water Quality Management Plan Completion Request	Approved 2/1/2024	

TULE BASIN WATER QUALITY COALITION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
No updates			

WESTLANDS WATER QUALITY COALITION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
10/2/2023	2022 WY Annual Monitoring Report	Review issued 2/13/2024	
5/01/2024	2022 CGQMP/SQMP Annual Status Report	Review issued 2/6/2024	

WESTSIDE WATER QUALITY COALITION

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
08/31/2023	2022 Annual Monitoring Report	Review issued 1/19/2024	

OTHER PROJECTS

A/R ACCEPTABLE RANGES DEVELOPMENT

Central Valley Water Board staff are currently working to develop acceptable ranges for the multi-year ratio of nitrogen applied to nitrogen removed via harvest (A/R) for Central Valley crops. On 26 January 2024, Central Valley Water Quality Coalitions submitted a collaborative workplan describing a proposed methodology for determining the acceptable ranges. The workplan was posted for a 30-day public comment period, which ended 1 March 2024, and is currently under staff review.

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. Staff and OIMA are working to reconcile those missing records. As of this EO report date, 40 in arrears data sets are pending upload to CEDEN.

CENTRAL VALLEY GROUNDWATER MONITORING COLLABORATIVE

On 17 July 2023, the Central Valley Groundwater Monitoring Collaborative (CVGMC) submitted a revision to the Comprehensive Quality Assurance Plan (CQAP) for groundwater monitoring completed by 10 Irrigated Lands Regulatory Program Coalitions. The CQAP was reviewed by staff and comments were provided to the CVGMC, which were addressed in a revised draft submittal received on 5 February 2024. The revised draft is currently being circulated for participant signatures before it can be recommended for approval by the Executive Officer.

PESTICIDE EVALUATION PROTOCOL

The Pesticide Evaluation Protocol (PEP) was updated by staff and approved on 25 February 2024. The updates were sent to the coalitions in late February 2024.

GRASSLAND BYPASS PROJECT

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
12/20/2022	QAPP Update	Comments provided, waiting for revision	
10/31/2023	Technical Report for 13267 Order	Approved 3/18/24	

RICE PESTICIDES PROGRAM

Deliverables and Activities

Submittal Date	Item	Review Status	Notes
12/19/2023	Annual Monitoring Report	Approved 2/15/24	

NORMAN’S NURSERY

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 completed recently is typically reported in the enforcement report below. Since the start of the 2023 fiscal year, the Sacramento Confined Animals Unit has conducted 82 inspections, and the Fresno Confined Animals Unit has conducted 88 inspections, for a total of 170. 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 is covered and converted to a digester. Staff have 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 [CDFA - OEFI - Dairy Digester \(ca.gov\)](https://www.cdffa.ca.gov/oefi/ddrdp/)

(<https://www.cdffa.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. Since the start of the 2023/2024 fiscal year, staff has reviewed and issued approvals letters for 39 double-lined pond related reports.

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. The Sacramento office has received their dairy, bovine, and poultry reports. Notices of Violation (NOVs) were mailed out in September 2023, October 2023, and January 2024 for dairies, bovine, and poultry facilities, respectively.

The Fresno office has received their annual dairy, bovine, and poultry reports. NOVs were mailed out in October 2023 and December 2023, for dairies, and bovine facilities, respectively.

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 [Final Report](#) on 10 March 2023 at

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

CDFA also administers grant funding for manure management through its Alternative Manure Management Program (AMMP). Board staff participate in the program as Technical Advisory Committee members assisting in the review of grant applications. Information on the [AMMP Program](#) at

(<https://www.cdffa.ca.gov/oefi/AMMP/>).

Additionally, the Dairy Plus Program, managed by CDFA, will award \$75 million from FY 23/24 to 28/29 to producers to incentivize the adoption of advanced climate-smart manure management practices that reduce both methane emissions and nutrient surplus from dairy farms in California. Board staff were part of the Technical Advisory Committee that completed review of the applications in November 2023.

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 held pending the 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 FIELD PROGRAM

WASTEWATER SURFACE PONDS

Central Valley Water Board staff (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 water or discharge) disposal ponds. Major items completed by Staff are identified below.

- Staff reviewed a Notice of Intent (NOI) for regulatory coverage under Waste Discharge Requirements, General Order for Oil Field Waste Discharge to Land, General Order Three (General Order Three). Staff's review of the NOI found that the discharge was appropriate for regulatory coverage under General Order Three and issued a Notice of Applicability (NOA) on 29 February 2024.
- Staff issued a Notice of Termination for coverage under General Order Three to a former Operator in the Cymric Oil Field. Staff issued an NOA to the new Operator.
- Staff sent a letter to an Operator in the Carneros Creek Oil Field requiring that a Basin Plan Amendment be obtained as required by the NOA issued for coverage under General Order Three.
- Staff sent closure report reviews and workplan review letters pertaining to six facilities with ponds used for produced wastewater storage and disposal. The letters informed operators with ponds in the Midway-Sunset, Kern River, North Antelope Hills, and Round Mountain Oil Fields that they could commence closure work but need to provide additional information or commit to additional tasks.
- Staff sent a sampling and closure plan approval letter for a facility in the McDonald Anticline Oil Field.
- Staff continue to review applications for recycling produced wastewater and produced solids at oil field production facilities. Thus far the applications have requested to use produced wastewater for dust control and solids as berm and road material. In February, Staff reviewed two related reports of waste discharge (RWD). One for an operator looking to obtain WDRs for a project that proposes to reuse wastewater for dust control in the Kern River Oil Field, and one for a project that proposes to reuse solids processed in the Cymric, Midway-Sunset, and Coalinga Oil Fields.
- Staff conveyed comments on a RWD for a facility in the South Belridge Oil Field, that accepts, and processes waste from various sources, including oil field waste.
- Staff sent a letter to an Operator in the Carneros Creek Oil Field requiring that monitoring report violations be addressed in future monitoring reports.
- Staff sent a letter and inspection report requiring that an Operator in the Cymric Oil Field provide pond netting repair documentation.
- Staff conducted 23 inspections for facilities in the Lost Hills, Midway-Sunset, and Round Mountain Oil Fields. The ponds at some of the facilities contained wastewater. Other facilities have ponds that are in the process of closure. Violations were observed during some of the inspections, and Staff are working on drafting related notices of violations.
- Staff continue to review monitoring reports for drilling mud sumps regulated under the Statewide General Waste Discharge Requirements for Discharges to Land with a Low Threat to Water Quality (General Low Threat WDRs).
- Staff issued a Notice of Termination to Chevron U.S.A., Inc. for regulatory coverage under the General Low Threat WDRs. The General Low Threat WDRs allowed Chevron U.S.A., Inc., to

discharge wastes related to drilling muds in the Cymric, Midway-Sunset, and Coalinga Oil Fields.

SPILL RESPONSE

Staff respond to oil field spills reported to the Office of Emergency Services (OES). Between 11 January 2024 and 14 March 2024, Staff were notified of nine new oil field related spill events and completed five field inspections. Major events are summarized below.

SPILL EVENTS

On 23 January 2024, Staff received OES Spill Report #24-0406 indicating that approximately 1 barrel of crude oil and 17 barrels of produced wastewater were released onto soil and that an unknown amount of it may have been released into a dry streambed on the California Resource Corporation's (CRC) United A Lease in the Buena Vista Oil Field. The indicated cause was a leak from a three-inch flowline. On 29 January 2024, Staff inspected the area impacted by the spill and the streambed and observed that impacted soil had been removed from the streambed. During the inspection, CRC staff indicated that the waste generated during the spill cleanup was being stored at a staging area, that they were waiting for analytical results needed for waste disposal, and that they will provide waste manifests when available. No further action is needed currently.

On 31 January 2024, Staff received OES Spill Report #24-0553 that indicated approximately 25 barrels of crude oil and 30 barrels of produced wastewater were released onto soil due to vandalism at Zynergy, LLC's (Zynergy) tank farm on the Bestian Lease in the Deer Creek Oil Field. The report indicated that the spill had been halted and contained within an area by a berm. On 31 January 2024, CalGEM staff inspected the spill and informed Zynergy representatives that additional cleanup was needed. Petrotech Resources (Petrotech) staff, a consultant for Zynergy, and Patriot Environmental (Patriot), were assisting with the cleanup. On 20 February 2024, PetroTECH staff notified CalGEM and Staff that the cleanup was complete and ready for a reinspection. On 22 February 2024, Staff inspected the spill site with CalGEM staff and determined that the cleanup was still not complete. Cleanup activities are on-going.

On 8 February 2024, Staff received OES Spill Report #24-0827 that indicated approximately 0.07 barrels of crude oil and 1.33 barrels of produced wastewater had been released into an ephemeral stream due to a two-inch carbon steel flowline leak near a California Resource Corporation's (CRC) well 36A-6D in the Buena Vista Oil Field. On 13 February 2024, CRC staff informed Staff that CRC completed the spill cleanup on 12 February 2024. On 15 February 2024, Staff inspected the spill site with the California Department of Fish and Wildlife's, Office of Spill Prevention and Response (OSPR) and CalGEM staff. Staff, OSPR, and CalGEM staff informed CRC representatives that the spill cleanup was incomplete. CRC staff indicated that they would complete additional cleanup work and that they would contact Staff for a follow-up inspection.

On 16 February 2024, Staff received OES Spill Report #24-0999 that indicated approximately 5 gallons of crude oil and 20 barrels of produced wastewater were released onto soil due to a casing failure at SPR wastewater disposal well WD-1 in the Midway-Sunset Oil Field. On the same day, Staff contacted SPR staff, who indicated that most of the fluid initially discharged flowed back into the well casing after SPR shut down the well. SPR staff indicated that they would investigate the cause of the casing failure and clean up the spill affected area after it was determined that it was safe to conduct work near the well. On 5 March 2024, SPR staff provided updates on the spill during a virtual meeting between Staff and SPR. During the meeting, SPR staff indicated that SPR is still determining if the spill area around well was safe to enter. Staff indicated that SPR needed to provide more information about the cause and location of the casing failure. SPR agreed to collect a representative produced wastewater sample from a nearby aboveground storage tank and analyze the sample for constituents of concern identified by Staff. Cleanup activities are on-going.

On 26 February 2024, Staff received OES Spill Report #24-1185 that indicated an unknown amount of oil was released onto soil due to an underground pipeline leak on the Jameson Trust Lease operated by 25 Hill Properties, Inc (25 Hill Properties) in the Midway-Sunset Oil Field. California Geologic Energy Management Division (CalGEM) staff reported the spill and indicated that the leak appeared to be stopped and contained, but that the pipe was submerged with oil and that oil was observed on a nearby dirt road. On 27 February 2024 during a phone call, CalGEM staff indicated that the operator had not completed spill cleanup activities and that they would provide photos and videos taken during a facility inspection. On 28 February 2024, a 25 Hill Properties representative contacted Staff, and indicated that the spill was small and below their

reporting threshold volume. During the phone call, Staff indicated that 25 Hill Properties needed to remove oil impacted material and dispose of it at a permitted waste disposal facility. Staff inspected the spill site on 14 March 2024 and observed violations of discharges to land. Cleanup activities are on-going.

On 3 March 2024, Staff received OES Spill Report #24-1301 that indicated approximately 5.5 barrels of “mixture - mud/crude oil” were released onto the ground surface due to “natural seepage” on the Sentinel Peak Resources (SPR) Reardon Lease in the Midway-Sunset Oil Field. The Spill Report indicated that the spill was contained by newly constructed berms and that fluids were being recovered using vacuum trucks. On 5 March 2024, SPR staff provided some updates on the spill during a virtual meeting between Staff and SPR. SPR staff indicated that the spill was from a surface expression that may have been induced by SPR steam injection activities in the area and that SPR needed to investigate conditions around a nearby well to determine if it is safe to conduct work near the well. During the meeting, SPR staff indicated that they would provide updates regarding the spill cause and cleanup activities.

NO FURTHER ACTION LETTERS

On 5 February 2024, Staff sent a No Further Action letter to Chevron U.S.A. Inc. for OES spill 23-5224 in the Midway-Sunset Oil Field. Required cleanup work was completed.

On 8 February 2024, Staff sent a No Further Action letter to Chevron U.S.A. Inc. for OES spill 23-5465 in the McKittrick Oil Field. Required cleanup work was completed.

On 14 February 2024, Staff sent a No Further Action letter to Chevron U.S.A. Inc. for OES spill 23-5232 in the McKittrick Oil Field. Required cleanup work was completed.

UIC PROGRAM

During the period from 13 January 2024 to 14 March 2024, Staff of the Underground Injection Control Unit (UIC) performed the following activities:

AQUIFER EXEMPTIONS

Midway-Sunset Oil Field, 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. CalGEM requested a remediation and monitoring plan from the operators to address the conduit analysis. CalGEM provided the operators with the final Remediation and Monitoring Plan guidance document based on feedback from staff and State Water Board staff.

Kern River Oil Field, 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. CalGEM requested a remediation and monitoring plan from the operators to address the conduit analysis. CalGEM provided the operators with the final Remediation and Monitoring Plan guidance document based on feedback from staff and State Water Board staff.

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

Mount Poso Oil Field, 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.

North Antelope Hills Oil Field, Tulare Formation Aquifer Exemption - CalGEM provided Staff and State Water Board staff an AE application for the Tulare Formation in the North Antelope Hills Oil Field. Staff and State Water Board staff provided its preliminary technical review to CalGEM.

UIC PROJECT REVIEWS

Staff issued four no objection letters and memorandums for UIC projects in Cymric, McKittrick, and Midway-Sunset Oil Fields.

Staff sent three letters and memorandums requesting information about a UIC project in the South Belridge Oil Field and the Sutter City Gas Field.

Staff received four responses to reviews performed for proposed steam flood, cyclic steam, and water disposal projects in the South Belridge, Edison, Cymric, and Mountain View Oil Fields. Staff are reviewing the information provided.

Staff received project information relating to one cyclic steam and steam flood injection projects in the Midway-Sunset Oil Field. Staff are 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 five Groundwater Monitoring Reports and conveyed comments to State Water Board staff. Staff are currently reviewing three groundwater monitoring reports submitted by operators that previously conducted well stimulations.

Staff received and are reviewing two reports submitted in response to a California Water Code section 13267 Order issued on 13 September 2023. The Order was issued because of the identification of an anomalous groundwater mound.

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 FY23/24 and dischargers received invoices reflecting those increases in December 2023. Staff are responding to questions from dischargers related to invoices and possible termination of their permits. On 15 December 2023 DWQ issued 197 administrative terminations for failure to pay the previous two years of invoices.

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		19	2		62	3	4	90
Colusa		1			2		5	8
Contra Costa					1		6	7
El Dorado		3			3			6
Kern							3	3
Kings					1		2	3
Lake		101	1	7	178	1	47	335
Fresno					5		9	14
Merced							7	7
Nevada	1	231	4		33		21	290
Sacramento							138	138
San Joaquin							6	6
Sierra								
Solano							5	5
Shasta							25	25
Siskiyou							6	6
Stanislaus		3			1		38	42
Tulare							10	10

County	Tier 1H	Tier 1L	Tier 1M	Tier 2H	Tier 2L	Tier 2M	CE	Total Active Enrollments
Yolo		5			28		3	36
Yuba							1	1
Totals	1	363	7	7	314	4	335	1032

COMPLIANCE AND ENFORCEMENT – ENROLLMENT ENFORCEMENT

- Enrollment enforcement efforts in the Ophir-Silver Road are complete. Staff are evaluating additional watersheds for future enrollment efforts.
- Enrollment enforcement efforts initiated in Stanislaus and Tuolumne Counties are complete, with sites being issued search warrants in Tuolumne County.

ENFORCEMENT

- On 2 February 2024, Redding staff were issued five subpoenas for a case in Shasta County.
- On 29 February 2024, staff attended two warrant inspections in Shasta County.
- On 18 March 2024, staff attended two warrant inspections in Shasta County.

13267S ISSUED

- On 18 January 2024, staff issued a 13267 Order for Maglaras in Nevada County.

CLEANUP AND ABATEMENT ORDERS

- Staff issued the Draft CAO for Carlile/Moffit/Barajas/Herrera in Shasta County on 6 December 2023. After failure of three of four responsible parties to accept certified mail, a second delivery was attempted via Federal Express to all parties on 5 February 2024. Electronic receipts indicate receipt by all parties. No comments were received within the 30 day comment period and the CAO has been sent to the advisory team to be finalized and issued.
- On 8 March 2024, staff issued the Draft CAO to Cameron Amiri in Nevada County.

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) that have been issued by the Central Valley Regional Board or staff since the previous EO Report and that are recorded in the California Integrated Water Quality System (CIWQS) database. For the period 1 January 2024 through 29 February 2024, 2 Orders were issued.

**Enforcement Table 1 – Central Valley Enforcement Orders
1 January 2024 through 29 February 2024**

Action Date	Agency	County	Notes
1/3/24	Dunsmuir WWTP	Siskiyou	ACLO Stipulated Order, MMPs with Compliance Project, Order No. R5-2024-0500
1/2/24	Paradise WTP	Butte	EPL R5-2023-0530 for Paradise ID

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 January 2024 through 29 February 2024**

Region	13383	ACL	EPL	NNC	NOV	NTC	SEL	UNK	VER	Total
5F	0	0	0	0	8	0	3	0	0	11
5R	0	2	0	0	4	0	0	0	1	7
5S	0	0	0	0	22	1	0	0	6	29
Total	0	2	0	0	34	1	3	0	7	47

**Enforcement Table 3 – Enforcement Actions in GeoTracker
1 January 2024 through 29 February 2024**

Region	13267	CAO	Letter – Notice	NOV	Staff Letter	VER	Total
5F	1	0	1	7	46	22	77
5R	0	0	0	0	3	3	6
5S	28	0	5	11	381	15	440
Total	29	0	6	18	430	40	523

**Enforcement Table 4 – ILRP Enforcement Actions
1 January 2024 through 29 February 2024**

The Board’s Irrigated Lands Regulatory Program (ILRP) does not upload enforcement actions into either the CIWQS or GeoTracker databases. For the period between 1 January 2024 through 29 February 2024, a summary of those enforcement actions is included in Tables 4 and 5, below.

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	0	0	0

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
5R	0	0	0
Total	0	0	0

**Enforcement Table 5 – Region 5 ILRP Enforcement Actions
1 January 2024 through 29 February 2024**

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	0	0	0
5S	39	32	39	110
5R	0	0	0	0
Total	39	32	39	110

CONFINED ANIMAL ENFORCEMENT

**Enforcement Table 6 – CAF Inspections
1 January 2024 through 29 February 2024**

Confined Animal Facility Inspections	
5S (Sacramento)	14
5R (Redding)	(included with Sacramento)
5F (Fresno)	18
Total	32

SIGNIFICANT ENFORCEMENT ACTIONS

SANITARY SEWER OVERFLOWS (SSOS)

Statewide General Waste Discharge Requirements for Sanitary Sewer Systems (SSS General Order) 2022-0103-DWQ requires enrollees to submit SSO technical report for any Category 1 SSO in which 1,000 gallons or greater are spilled to surface waters to the State of California’s Office of Emergency Services. For the period between 1 January 2024 through 29 February 2024, there were **five** reported SSO incidents in which 1,000 gallons or greater spilled reached surface water. Compliance and Enforcement staff follow up with all spills where 1,000 gallons or more reached surface water to ensure compliance with the spill reporting and/or monitoring requirements established in the SSS General Order.

SSO SUMMARY DATA

**Enforcement Table 7 – SSO Incidents in which 1,000 Gallons or Greater Spilled and Reached Surface Water
1 January 2024 through 29 February 2024**

Volume Reached Surface Water (gallons)	Responsible Agency
11,625	Calaveras Cnty Water District
859,494	City of Redding
58,000	Georgetown Divide PUD
74,804	Lake County
11,650	Sacramento Area Sewer District (merged)

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](#) at

(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. 2022-0103-DWQ (Statewide Waste Discharge Requirements, General Order for Sanitary Sewer Systems).

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 January 2024 through 29 February 2024, Central Valley Water Board staff have received a total of **34 complaints** from phone calls, emails, and from the CalEPA Complaint database. To date, **31 (91%) complaints** have been investigated and closed or referred to other environmental enforcement agency. Investigations into **three** complaints remain ongoing.

[CalEPA Complaint database](#)

(<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)

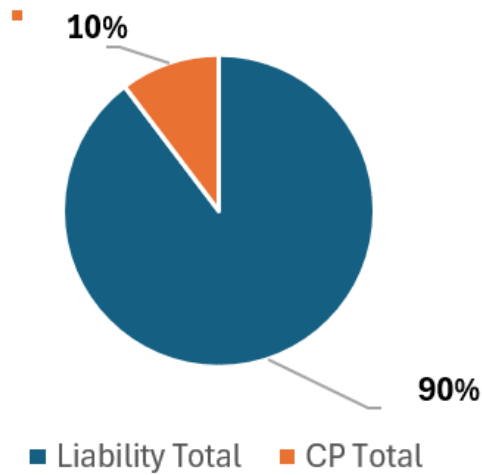
A settling party may offset a portion of the monetary liability of an ACL penalty by voluntary choosing to fund SEP that enhance the beneficial uses of the waters of the State, provide a benefit to the public at large, and that, at the time they are included in an ACL action, are not otherwise required 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 and 29 February 2024, the chart below summarizes total monetary penalties that were issued by the Central Valley Water Board. A total of \$573,231 in monetary penalties (Liability payable to CAA, CP and SEP) were issued during this period, of which \$66,000 was allocated for CPs and \$23,357 was allocated for SEPs (see Enforcement Figure 1 below).

Monetary Penalties Issued Between 1 July 2023 and February 2024



Enforcement Figure 1: Region 5 – Sum of Total Monetary Penalties Issued during the fiscal year July 2023 through February 2024

CLEANUP SUCCESSES

Enforcement Table 8 Summary of Cleanup Successes for the period covering 1 January 2024 through 29 February 2024

Programs	Actuals: Permits or Issued	% Complete = Actuals/ Original Target	Revised Target	Total # of Permits Issued
New DoD Sites into Active Remediation	1	25	NA	NA
New SCP Sites into Active Remediation	3	68	NA	NA
Cleanup Program Sites Closed	6	67	NA	NA
New UST Sites into Active Remediation	14	357	NA	NA
Underground Storage Tank Sites Closed	1	55	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.

SACRAMENTO

4TH STREET RESIDENTIAL UST, 410 4TH STREET, LOYALTON, SIERRA COUNTY

The Site is a private residential property at which a release of heating oil from an underground storage tank (UST) occurred. The Responsible Party (RP) removed the UST and approximately 5 tons of petroleum-impacted soil from the Site. In 2022, McGinley & Associates, Inc. detected petroleum constituents in soil and groundwater near the UST cavity and attributed the soil impacts to the release and the groundwater impacts to an off-Site source. McGinley concluded that the case was eligible for closure and Central Valley Water Board staff concurred. Staff closed the case on 17 January 2024. (Lopez)

DOPACO AREA CASE 3, 800 WEST CHURCH STREET, STOCKTON, SAN JOAQUIN COUNTY

Sometime between 1981 and 1986, when the eight USTs were removed, a release of pure toluene occurred from UST C. In 2014, approximately 320 cubic feet of impacted soil was over-excavated to remove secondary source material. Between 2011 and 2022, various consultants installed eight groundwater monitoring wells, advanced eight soil gas probes and five sub-slab soil gas probes, and advanced 47 soil and groundwater borings to assess the nature and extent of the Site releases. While no active remediation has been performed beyond excavation of impacted source-area soil, the remaining petroleum constituents are unlikely to pose a threat to human health or further impact waters of the state as they attenuate. Central Valley Water Board staff concurred with AECOM's recommendation that the case be considered for closure. Staff closed the case on 21 February 2024. (AMB)

FORMER KNOWLES STATION, 1120 WEST HAMMER LANE, STOCKTON; SAN JOAQUIN COUNTY

The Site historically operated as a service station, utilizing two 12,000-gallon and four 6,000-gallon gasoline USTs, which were removed in March 1987, along with the associated product piping and fuel dispensers. Between 1987 and 2022, Knowles retained various consultants to assess petroleum hydrocarbon impacts in soil and groundwater beneath the Site, by collecting samples and performing routine groundwater sampling and monitoring. Remediation at the Site has included excavating approximately 3,000 cubic yards of petroleum impacted soil and ozone sparging between 2012 and 2015, and again between 2020 and 2021. As a result of those activities, Stratus estimated 354 pounds of petroleum hydrocarbon as gasoline and 46 pounds of benzene, were removed from the Site subsurface. Staff closed the case on 19 January 2024. (KEJ)

GUSTINE HIGH SCHOOL, 501 NORTH AVENUE GUSTINE, MERCED COUNTY

In 2022, one UST was discovered during construction grading activities. Central Valley Water Board staff requested additional soil and groundwater samples and opened a leaking UST case. The school completed an additional investigation and sample results were below the *Low-Threat Closure Policy*. Staff completed a case closure public notice in November 2023 and closed the case on 21 February 2024. (MSP)

HILMAR ROCKET SS, 8220 LANDER AVENUE HILMAR, MERCED COUNTY

Subsurface petroleum impacts were observed during the removal of five USTs, the fuel dispenser island, and the associated piping network between 1993 and 2004. In 2011, the remaining infrastructure on Site was demolished and impacted soil was excavated to a depth of 9 feet. Condor conducted active remediation with an SVE system from 2019 to 2021. In November 2021, Condor began operating a groundwater extraction system on Site. In 2023, Condor evaluated petroleum impacts on Site and concluded that the residual concentrations meet closure criteria and represent a low risk to human health and the environment. Central Valley Water Board staff concurs with Condor's evaluation that Site conditions satisfy the general criteria and media-specific criteria for closure of the *Low-Threat Closure Policy*. Staff closed the case on 21 February 2024. (MWM)

HOME RANCH PROPERTY, 13018 COUNTY ROAD 117, WEST SACRAMENTO, YOLO COUNTY

The Site is a rural agricultural property at which a release of petroleum fuel from an underground storage tank (UST) occurred. The Responsible Party (RP) removed the UST and approximately 18

cubic yards of petroleum-impacted soil from the Site. Between 2021 and 2023, Brusca Associates, Inc. detected petroleum constituents in soil, soil vapor, and groundwater within a limited area near the former UST cavity. Brusca concluded that the case was eligible for closure and Central Valley Water Board staff concurred. Staff closed the case on 17 January 2024. (Lopez)

RALPH'S SQUARE, 2122 SOUTH AIRPORT WAY, STOCKTON, SAN JOAQUIN COUNTY

In October 1997, Jim Thorpe Oil Inc., on behalf of Mr. Ralph White, removed three USTs and associated dispenser and piping from the western portion of the Site. Between 1997 and 2023, consultants investigated the extent of the petroleum impacts in soil and groundwater. No active remediation was performed or warranted. In 2022, the consultant evaluated the case according to the *Low-Threat Closure Policy* and concluded that the remaining petroleum is not a risk to human health and the environment. Staff closed the case on 21 February 2024. (AMB)

SHAIBI MARKET, 17017 BRANNON AVENUE, DOS PALOS, MERCED COUNTY

On 3 October 2001, LC Services of Fresno (LC) removed four singled walled USTs from the Site. Upon exhumation, Technicon Engineering Services (Technicon) noted that the USTs showed signs of metal degradation and the soil surrounding the USTs was stained and smelled strongly of petroleum hydrocarbons. LC over-excavated the UST pit, stockpiled the impacted soil onsite, and later aerated the soil at the Site. Between 2001 and 2022, consultants investigated the extent of the petroleum release in soil and groundwater. The consultant evaluated the case for closure in 2021 and 2022, concluding that the case met the criteria in the *Low-Threat Closure Policy*. Central Valley Water Board staff concurred with the consultant's recommendation for case closure. Staff closed the case on 21 February 2024. (MSP)

WILLOWS MOTOR SUPPLY, 112 WEST WOOD STREET, WILLOWS; GLENN COUNTY

Between approximately 1930 and 1985, the Site operated as a service station. In 1986, the service station closed and five USTs, the dispenser islands and Site building were removed. In December 2018, Basics' Phase II identified petroleum hydrocarbon impacted soil and groundwater at the Site. Between 2020 and 2022, Equilon evaluated petroleum hydrocarbon impacts to soil, groundwater, and soil vapor beneath the Site by completing the following: routinely sampling and gauging 5 groundwater monitoring wells; collecting approximately 50 soil samples; and collecting four soil vapor samples. WPI has concluded that the extent of petroleum hydrocarbons remaining in soil and groundwater beneath the Site has been defined and concentrations thereof are generally stable. Central Valley Water Board staff concurred with WPI's recommendation for case closure, closing the associated environmental case on 17 January 2024. (KEJ)

FRESNO

D&G LIQUORS #2233, 2732 BRUNDAGE LANE, BAKERSFIELD, KERN COUNTY

D & G Liquors #2233 is currently a convenience store with retail motor fuel sales. In January 2023, two 12,000-gallon gasoline USTs were removed. Analytical results of soil samples collected beneath the UST system indicated release of gasoline. Investigations indicated that the release extended to a depth of approximately 85 feet bgs, with groundwater estimated to be more than 220 feet bgs and not affected by the release. Remaining petroleum constituents are expected to naturally attenuate human health and safety and the environment should not be threatened. Central Valley Water Board Staff concluded that the case satisfies the criteria contained in the *Low-Threat Closure Policy* and closed the case on 31 January 2024. (MLE)

E-Z GO MINI MART, 518 WEST SHIELDS AVENUE, FRESNO, FRESNO COUNTY

The Site is currently a convenience store with retail motor fuel sales that has four 5,000-gallon single-wall USTs with unleaded gasoline. In 1994 an unauthorized release of petroleum product was detected in soil samples collected from beneath the USTs with elevated concentrations of gasoline and diesel constituents. After acceptance into the Cleanup Fund in September 2021, soil borings were advanced, sampled and converted into groundwater monitoring wells. Sample results indicated low concentrations of petroleum constituents in two borings to 40 feet bgs. Four groundwater monitoring events were conducted from November 2021 through August 2022. Petroleum constituents were not detected in groundwater samples from three of the four monitoring wells. Central Valley Water Board staff closed the case on 2 February 2024. (KPD)

KETTLEMAN CITY SHELL, 25712 WARD DRIVE, KETTLEMAN CITY, KINGS COUNTY

The Site is currently a commercial fueling station and convenience store. In August 2013 a second release of gasoline was identified as the UST was removed. Gasoline constituents extended to a depth of 80 feet bgs and laterally approximately 100 feet. Groundwater is reportedly 350 feet bgs and not expected to be affected. Central Valley Water Board staff closed the case on 31 January 2024. (MLE)

NORTH KERN STATE PRISON, 2737 WEST CECIL AVENUE, DELANO, KERN COUNTY

During 1993, unleaded gasoline reportedly leaked from the fuel dispenser of the UST system near the facility's garage. In 2006 during removal of the USTs, gasoline constituents were detected in soil samples and the local agency requested evaluation of the release. Soil investigation and groundwater monitoring were conducted in 2009 and 2010. Additional investigation conducted during 2014 defined the extent of the release in soil. Gasoline constituent concentrations to a maximum of 2,700 milligrams per kilogram (mg/kg) as TPHg were detected to a depth of 55 feet bgs but the fuel oxygenate methyl tertiary butyl ether (MTBE) had migrated to groundwater. Gasoline constituent mass was reduced in soil vapor extraction (SVE) from November 2019 to July 2021. MTBE was detected at less than Water Quality Objectives. Central Valley Water Board staff closed the case on 11 January 2024. (JDW)

PIXLEY SHELL, 1010 SOUTH MAIN STREET, PIXLEY, TULARE COUNTY

In 1986, three gasoline USTs, dispensers and associated piping were removed. Analytical results of soil samples indicated a release of petroleum constituents. In October 1986, a volume of soil approximately 15 by 15 feet by 30 feet in depth containing an undetermined hydrocarbon mass was excavated and backfilled with clean soil. Multiple phases of soil sampling to evaluate the vertical and lateral extent were conducted from July 1986 through March 2023. Low to moderate concentrations of gasoline constituents were detected near the former UST/pump island location, from approximately 30 through 80 feet bgs. The depth to groundwater in the Pixley area is approximately 270 feet bgs. Analytical results of soil samples indicated only trace gasoline constituent concentrations below 150 feet bgs, indicating a clean soil buffer zone between contamination and groundwater. Central Valley Water Board staff closed the case on 5 February 2024. (KPD)

REDDING

None.

SITE CLEANUP PROGRAM SUCCESSES

Following are sites where Board staff concluded that the residual contaminants in soil, soil gas, or groundwater no longer pose a threat to human health or the environment. Where necessary, a land use covenant was recorded with the relevant County Agency to ensure site conditions remain protective of beneficial uses.

SACRAMENTO

NO FURTHER ACTION DETERMINATION, BEAR RIVER SUPPLY INC, 2659 LINCOLN ROAD, YUBA CITY, SUTTER COUNTY

On 10 June 2020, a storage tank ruptured resulting in approximately 2,000 gallons of Urea Ammonium Nitrate Solution 32 (UAN-32) being released onto a gravel pad staging area at 2659 Lincoln Road in Yuba City, Sutter County. Approximately 593 cubic yards of impacted soil was excavated from the spill area and backfilled. Remaining nitrogen impacted soil is within established target clean-up concentrations and does not pose a significant threat to human health, the environment, or waters of the State. A No Further Action Determination letter was issued on 26 January 2024.

NO FURTHER ACTION DETERMINATION, YUBA CITY UNIFIED SCHOOL DISTRICT TRANSPORTATION YARD, 1512 STEWART ROAD, YUBA CITY, SUTTER COUNTY

In 2018, 1,2,3-trichloropropane (1,2,3-TCP) was identified in the Yuba City Unified School District (YCUSD) transportation yard water supply well and in surrounding area domestic supply wells. YCUSD investigated and determined that the source of 1,2,3-TCP contamination is likely located

upgradient of the YCUSD site. Staff concurs that the 1,2,3-TCP does not originate from a release at the YCUSD site and has recently requested investigation at a nearby property that may be a source of 1,2,3-TCP contamination. A No Further Action Determination letter was issued for the YCUSD site on 26 January 2024.

FRESNO

NO FURTHER ACTION, PHILLIPS 66, ANTELOPE SITE, HIGHWAY 46, 1.5 MILES WEST OF KECKS ROAD, LOST HILLS, KERN COUNTY

A release of crude oil from one of two active eight-inch diameter petroleum transmission pipelines was discovered at the site in 1991. The pipelines historically transported crude oil and semi-refined petroleum products from the central valley to the central coast refining facilities. Following discovery the release, the pipeline was repaired and approximately 2,000 cubic yards of oily soil was excavated and transported off-site for bioremediation. Additional pipeline leaks were not identified. Other remediation included manual bailing of free product from several groundwater monitoring wells. Site assessment from 1992 to 2020 delineated the extent of petroleum hydrocarbon impacts to soil and groundwater. Remaining petroleum hydrocarbons in site soil and groundwater will continue to degrade naturally and are not likely to pose a threat to human health and safety, groundwater, or the environment. No comments were received regarding the proposed case closure. Groundwater monitoring wells were destroyed and a No Further Action Designation was issued on 5 January 2024.

REDDING

None.

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 January and 29 February 2024.

**Emergency Response Activities Table 1
Spill Reports Received by the Central Valley Water Board’s Offices
Between 1 January and 29 February 2024**

	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
Sacramento	165	142	23	1
Redding	27	16	11	6
Fresno	104	85	19	2

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.

Board staff continued participation in the Delta RMP’s Technical Advisory Committees (TAC). Board staff participated 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). The draft Annual Monitoring Workplan and the Data Management Plan is currently under review.

DELTA NUTRIENT RESEARCH PLAN

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

- Board staff completed work on a project monitoring cyanotoxins in clams and water in the Delta. Board staff and external team members submitted the final report to the California Department of Fish and Wildlife, which administered the Proposition 1 grant funds for the project.
- Board staff are collaborating with the State Board Division of Water Rights, the Department of Water Resources (DWR), and Bend Genetics LLC to compare abundance and type of cyanobacteria cells that overwinter in sediment at different locations in the Delta. Board staff assists with monthly sampling and providing boat use. The purpose is to better understand cyanobacteria overwintering to inform management and mitigation strategies.
- The Delta Science Program is leading the development of a monitoring strategy for cyanobacteria in the Delta. Board staff continues to support this effort by providing information and reviewing materials.

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:

(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 11 January 2024, Priority 1 Management Zones have collectively reported the following metrics:

Table 1. Priority 1 Management Zone (MZ) Program EAP Implementation Totals (as of 8 March 2024)

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	12,540	2,451	2,802	3,600	3,544	143
Testing Applications Submitted	4,670	1,177	2,556	414	444	79
Referred to Other Programs	782	219	277	99	177	10
Eligible Applications	3,739	958	2,129	315	267	69
Not Yet Responded	1,040	134	792	44	44	26
Wells Tested/ Scheduled/ Known	2,159	684	956	256	208	55
Above 10 mg/L	1,168	449	413	218	76	12
Average Percent over 10 mg/L	54%	66%	43%	85%	37%	22%
Households receiving bottled water	1,383	496	532	244	93	18
Fill Station (FS) Locations	8	0	3	2	3	0
FS Average Gallons per Day	1,193	0	298	554	341	0
Total Households/ equivalents	1,979	496	681	521	264	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 reviewed these documents to determine if they meet the Basin Plan requirements and the Executive Officer issued a letter finding that all six Priority 1 MZIPs are complete. [Management Zone Implementation Plans](#) can be found at

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

On 29 December 2023, Notices to Comply were sent to dischargers in Priority 2 subbasins to begin Nitrate Control Program implementation. Notices of Intent, indicating compliance pathway selection, are due to the Central Valley Water Board no later than 26 February 2025. For permittees that select to participate in a Management Zone, a Preliminary Management Zone Proposal and Early Action Plan are due to the Central Valley Water Board no later than 28 December 2024.

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/lar_ph1_ds.pdf)

and [Phase 2 Data Summary](#) at

(https://www.waterboards.ca.gov/centralvalley/water_issues/swamp/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. Limited monitoring was conducted in 2023 due to high river levels and unsafe conditions. Staff will also conduct a microbial source tracking study next summer 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_rbu/).

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](https://mywaterquality.ca.gov/habs/) at

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

was developed and is located on the California Water Quality Monitoring Council’s [My Water Quality webpage](https://mywaterquality.ca.gov/index.html) at

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

The [FHAB Monitoring Strategy](https://ftp.sccwrp.org/pub/download/DOCUMENTS/TechnicalReports/1141_FHABStrategy_FullReport.pdf) 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](https://ftp.sccwrp.org/pub/download/DOCUMENTS/TechnicalReports/1141_FHABStrategy_Synthesis.pdf) and [Factsheet](https://ftp.sccwrp.org/pub/download/DOCUMENTS/FactSheets/1141_FHABStrategy_FactSheet.pdf) can be found at

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

(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](https://www.cdc.gov/habs/ohhabs.html) at

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

More information on how freshwater [HAB related illness](https://mywaterquality.ca.gov/habs/hab-related_illness.html) tracking in California can be found at

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

The FHAB staff have begun planning for the 2024 bloom season by meeting with monitoring partners and identifying available resources.

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 from rainfall runoff.

A summary of HABs reported as of 14 March 2024 is provided in Cyanobacteria Table 1 below.

HABs Table 1. Bloom Summary of active advisories (as of 14 March 2024)

Category	Count
Number of locations with active caution advisories ¹	0
Number of locations with active warning advisories ¹	0

Category	Count
Number of locations with active danger advisories ¹	1

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 14 February 2024. 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](#) is found 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).

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).

LAKE COUNTY WATERSHED-BASED NONPOINT SOURCE MANAGEMENT PLAN (\$145,098)

The County of Lake is developing the Lake County Watershed-Based Nonpoint Source Management Plan (Watershed Plan) to identify and prioritize management practices that will capture, retain, and limit nonpoint source pollutant loads from stormwater runoff in Lake County to improve the water quality of tributaries to Clear Lake and other waterbodies within Lake County. (Closing 1/31/2025).

OUTREACH

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

On 25 January 2024, Adam Laputz, Angela Llaban, and Jennie Fuller attended the P&O Small Group – Regulatory and Policy Meeting. Topics included discussing the background of Salt Management Areas, developing a Salt Management Area Pilot Study, and discussed future meeting topics.

*On 31 January 2024, Jennie Fuller attended an ILRP Stakeholder Meeting. Topics included updates from the Central Valley Water Board, State Water Board, California Department of Food and Agriculture, FREP, Central Valley Agricultural Water Quality Coalitions, Environmental Justice Representatives, and CV-SALTS, the draft workplan on “Crop-Specific Acceptable Ranges of Applied Nitrogen Relative to Nitrogen Removed”, the draft manuscript “Do Nutrient Management Practices Change Nitrogen Outcomes”, and Next Steps for ILRP.

On 2 February 2024, Cannabis staff presented on indoor cultivation requirements and application process via a virtual outreach to multiple counties.

*On 2 February 2024, Adriana Ross participated in the virtual meeting with the United States Environmental Protection Agency concerning the Afterthought Mine in Shasta County. The topics of the meeting included the Superfund Program and the National Priorities List to begin the reaching out process to tribes and disadvantaged communities.

*On 6 February 2024, Adriana Ross virtually attended a meeting with the State Board Site Cleanup Program and the California Environmental Justice Alliance (CEJA) with interest parties discussing an improve processes and in doing outreach work concerning EJ issues.

On 7 February 2024, Land Disposal Program and Site Cleanup Program staff conducted a joint site inspection at the J.R. Simplot facility in Lathrop, CA. Staff were also joined by the Assistant Executive Officer J.J. Baum. After the site inspection, staff participated in a meeting to discuss near-term actions that J.R. Simplot will need to conduct because of planned facility closure activities this year.

*On 13 February 2024, Adriana Ross attended the virtual monthly Environmental Justice meeting. Adriana Ross discussed with Cal Recycle the opportunity to work together with disadvantage communities Lanare and Perry Colony concerning dry wells.

*On 21 February 2024, Adriana Ross virtually participated on an update meeting with United States Environmental Protection Agency concerning the Afterthought Mine outreach pre-National Priorities List proposal.

On 21 February 2024, Wastewater Water Consolidation staff Scott Perrou and State Water Board Division of Water Quality staff Dania Jimmerson, Laurel Warddrip, and Stephanie Torres participated in a regionalization project site tour with the Rural Community Assistance Corporation (RCAC), City of Chico staff, Chico WWTP staff, and representatives from three mobile home parks (Chico Creek MHP, Rancho Chico MHE, and Mountain View Acres MHP). The meeting provided an overview of project sites, WWTP facilities (improvements, capacities, potential needs), MHP infrastructure and accessibility, and next steps to apply for grant funding.

On 21 February 2024, the Cannabis Program Manager attended/assisted with a presentation on Water Code 13260, 13264 and 11358(d)(3)(B) to support felony enhancements in criminal cannabis cases in Siskiyou County to District Attorneys and Law Enforcement.

Cannabis staff have also worked with the Office of Public Participation to create recordings of the Introduction to the General Order presentation in Hmong and Spanish. Staff have uploaded English, Hmong, and Spanish presentation videos to YouTube and linked them to the R5 Cannabis webpage.

*On 22 February 2024, Adriana Ross participated virtually in the IVAN Tulare task force monthly meeting. A community-based meeting focusing on environmental justice issues experienced by underserved communities in the Central Valley.

*On 22 February 2024, Patrick Pulupa, Adam Laputz, Angela Llaban, Jennie Fuller, Cindy Au-Yeung, True Khang, and Bethany Soto attended the CV-SALTS Executive Committee Meeting regarding implementation of the Salt and Nitrate Control Programs. Topics included updates for the Nitrate Control Program, with updates on Management Zones and SAFER funding of co-contaminants. Topics also included updates for the Salt Control Program, with updates on response to comments received on the Baseline Characterization Report, Salt Management Regions evaluations, Salt Management Areas pilot study, the Groundwater Sustainability Plan data gathering pilot study, and the Regulatory and Policy Small Group.

On 27 February 2024, Wastewater Water Consolidation staff Scott Perrou participated in a meeting for the Stanislaus Elementary School drinking water and sanitary wastewater consolidation project. Attendees at the meeting included representatives from Self Help Enterprises, Stanislaus County, City of Modesto, and State Board staff.

On 29 February 2024, Patrick Pulupa presented and participated in a webinar hosted by the Central Valley Salinity Coalition on the Nitrate Control Program – Priority 2 Groundwater Basins. Adam Laputz, Angela Llaban, True Khang, Cindy Au-Yeung, and many other Board staff also attended. The webinar provided an overview of the Nitrate Control Program and the regulatory structure and timeline, and discussed permittee responsibilities and lessons learned from existing Management Zones.

On 29 February 2024, Adam Laputz, Angela Llaban, and Jennie Fuller attended the P&O Small Group – Regulatory and Policy Meeting. Topics included a review of the Salt Management Areas and the development of a Salt Management Pilot Study, a conceptual design of Salt Management Areas, a discussion of initial key regulatory and policy questions associated with permitting Salt Management Areas, and a review of the terminology used in the P&O Study.

*On 5 March 2024, Adriana Ross participated in a virtual meeting discussing tribal outreach for the Lava Cap Mine on the National Historic Preservation Act (NHPA) with the United States Environmental Protection Agency and the Department of Toxics Substances Control.

On 5 March 2024, the Environmental Protection Agency (EPA) publicly noticed the proposed listing of the Afterthought Mine in Shasta County to the National Priorities List (NPL). The mine operated between 1862 and 1952 and produced various amounts of copper, zinc, lead, silver, and gold. Historical impacts from mining activities includes waste rock and tailings and Acid Mine Drainage (AMD) into Little Cow Creek, a tributary of the Sacramento River. Discharges from the mine flow to a segment of Little Cow Creek being listed as impaired under Clean Water Act (CWA) Section 303(d). The Central Valley Water Board has been working with the EPA since 2015 to assess hazardous materials and AMD discharges associated with the abandoned mine site. The EPA is currently soliciting comments through May 2024 on its proposed listing of the site. Once the site has been formally listed in the NPL it will officially become a formal Comprehensive Environmental Response, Compensation, and Liability Act (CERLA) site and will make it eligible for additional resources to clean up the site.

*On 6 March 2024, Adriana Ross virtually attended the Tribal Beneficial Uses Strategic Planning Caucus Meeting with the California Indian Environmental Alliance (CIEA). The meeting is a continuing open dialogue on the challenges Tribes are experiencing with the Tribal Beneficial Use (TBU) designation process and potentially providing the regions with statewide guidance.

On 6 March 2024, David Durette and Joshua Smith gave a presentation to the Butte County Wastewater Advisory Committee (WAC). The objective was to give a brief history and update on the Chico Urban Area Nitrate Control Program. The WAC is comprised of wastewater professionals and members of the public. This was the first in-person meeting of the WAC since 2020.

*On 7 March 2024, Adriana Ross virtually participated with the Fresno County Illegal Dumping Working Group discussing working with disadvantage communities in the Central Valley.

*On 8 March 2024 Adriana Ross virtually attended the Statewide Tribal Beneficial Use Planning Tribal Caucus, a tribal-led group. The caucus meets monthly to support inter-tribal engagement on tribal beneficial uses, and tribal concerns.

On 8 March 2024, Janis Cooke attended a quarterly meeting of the San Francisco Bay Nutrient Management Strategy's Steering Committee. The committee discussed research and monitoring for the next fiscal year, including further study of conditions that promote harmful algal blooms.

On 11 March 2024, Wastewater Water Consolidation staff Scott Perrou participated in a project meeting for the community of Sunset Vista Estates in Kings County. Attendees at the meeting included representatives from the City of Lemoore, Kings County, Self Help Enterprises (SHE), QK engineering, Grainger Water, and the State Water Board Division of Water Quality staff.

*On 12 March 2024, Meredith Howard, Jessica Rader, Sajleen Phagura, Mason Gatti, and Ryan Brown held a hybrid public workshop (via Teams and at the Rancho Cordova office) on the Draft Pyrethroid Research Plan (Research Plan). Topics included public comments received and corresponding proposed revisions to the Research Plan.

*On 12 March 2024, the Redding office hosted a community meeting with residents of the Friendly Acres Mobile Home Park (MHP) in Red Bluff, Tehama County to inform them about pollutants detected in the MHP's water supply well at unsafe levels, and how to access free, replacement drinking water. The pollutants are called Per- and Polyfluoroalkyl Substances (PFAS). The MHP is in an economically disadvantaged community, and includes 47 occupied spaces. Water from their sole groundwater supply well contains PFAS above the State response level for PFOA and above the USEPA proposed MCL for PFOA and PFOS. PFOA and PFOS are two specific chemicals in the PFAS family. During the community meeting, the well testing results and the process to obtain free replacement bottled water were discussed. The meeting was held in the Red Bluff Community Center and attended by residents, a County supervisor, a member of the City council, and

representatives of Tehama County and the Division of Drinking Water. With support from the Office of Public Participation, bilingual outreach was performed and translation services were provided and received during the meeting. Bottled water deliveries began on 14 March 2024 with delivery to 21 homes. Additional outreach was performed to encourage more residents to sign up for bottled water delivery and by 21 March 2024 almost all the homes were receiving bottled water.

On 18 March 2024, Wastewater Water Consolidation staff Scott Perrou and Wastewater Water Consolidation Unit Manager Scott Armstrong participated in a kickoff meeting for the City of Chico regionalization project along with representatives from the Rural Community Assistance Corporation (RCAC), City of Chico staff, Chico WWTP staff, and representatives from 3 mobile home parks (Chico Creek MHP, Rancho Chico MHE, and Mountain View Acres MHP). State Water Board Division of Water Quality staff Dania Jimmerson also participated in the meeting.

*On 19 March 2024, Meredith Howard and Janis Cooke attended the Delta Plan Interagency Implementation Committee Delta Agency Science Workgroup meeting to discuss the draft Delta Cyanobacteria Harmful Algal Bloom Strategy.

On 21 March 2024, Alex Mushegan (Supervising Engineer) presented on the Salt and Nitrate Control Programs at the American Society of Civil Engineers (ASCE) Fresno Branch Meeting.

*On 22 March 2024, Meredith Howard, Lauren Leles, and Sajleen Phagura met with Tuolumne Band of Mi-Wuk Indians to discuss their Tribal Beneficial Use designation request.

PERSONNEL AND ADMINISTRATION

STAFFING UPDATES – 1 JANUARY 2024 – 29 FEBRUARY 2024

PROMOTIONS

None

NEW HIRES

Jeremy Mota - WRCE

John Murphy – SUP EG

Katie Gilman - EG

Aidan Berlin – SCI AID

Broderick Whitford – SCI AID

Vicky Thao – OT (GEN)

Matthew Buffleben – SUP WRCE

Cory Drenon – SR ES (SUP)

Kyle Shiffer – SCI AID

Christy Gilbreath -EG

RETIREMENT

None.

SEPARATIONS

Nicole Damin - ES

Hannah Dailey - EG

Joey Sisk - SR WRCE

Alex Watkins - SCI AID

Janae Bonnell - ES

Ronna Bowers - EG

SUMMARY OF POSITIONS

Total Authorized Positions: 310.7
 Total Temporary Positions: 28.0
 Total Vacant Positions: 23.0

Sacramento

Authorized Positions: 168.0
 Temporary Positions: 13.0
 Vacant Positions: 16.0

Fresno

Authorized Positions: 87.0
 Temporary Positions: 8.0
 Vacant Position: 3.0

Redding

Authorized Positions: 55.7
 Temporary Positions: 7.0
 Vacancies: 4.0

TRAINING UPDATES – 1 JANUARY 2024 – 29 FEBRUARY 2024

Class Title	Number of Attendees
24 Hour OSHA HAZWOPER - Online Training	1
8 Keys to a More Respectful Workplace	1
8-Hour HAZWOPER Refresher	36
Accessing Cornerstone Training	1
Adobe Illustrator CC Beginner	1
Advancing Racial Equity at the Waterboards Pre-Work	5
Anti-Harassment Training (SB1343) for Board Members, Supervisors, Managers, and C.E.A.s	2
Anti-Harassment Training (SB1343) for Non-Supervisory Staff	7
Ask Effective Questions	2
BCPs and Budget Overview Workshop	1
Best Hiring Practices	1
Build a Visual Schedule	1
Business Math Toolkit: Statistical Averages	1
California Water History: Navigating the Seven C's	4
Communication Toolkit: Overcommunicating	1
Cornerstone Academy 101 for Non-Supervisory Staff	6
COVID-19 Awareness	10
Creating a Mindset for Change	1
Critical Thinking 101	1
Data Strategies for Collecting, Analyzing, and Reporting	5
Effectance: The Key to Motivation	1
Effective Decision Making	2
Effective Writing Skills: Getting Started on Your Writing Project	1
Effective Writing Skills: Writing Persuasive Proposals	1
Electronic Writing	1
Employee Engagement Essentials	1
Ergonomics Awareness	46
Excel 365 Advanced	1
Excel 365 Beginner	1
Excel 365 Intermediate	1
Excel 365 VBA, Expert	1
Foundations of Applied Agronomy: Nutrient Management Module	1

Class Title	Number of Attendees
Foundations of Applied Agronomy: Soil and Water Management Module	1
From Managing Self to Managing Others	5
Highly Effective Professional Writing	2
How to Hire & Manage Virtual Teams	1
Injury and Illness Prevention and Hazard Communication Awareness	27
Introduction to Data Visualization	7
Introduction to GIS	4
Introduction to R for Water Resources Data Science: Unleashing your potential to work with any kind of data	2
Keep Emails Clear and Focused	1
Lead Now!	1
Leadership and Change	1
Leadership for the Government Supervisor	2
Leadership: Practical Leadership Skills	1
Leading For Results: Maximizing People, Performance & Profits	1
Learn From the Feedback You Receive	1
Learning Python	1
Lung Strengthening	1
Mastering Leadership and People Skills	1
Microsoft 365 Forms - Beginner	1
Microsoft 365 OneNote Online	1
Microsoft Access 2016 - dummies	1
Microsoft Teams in 30 Minutes (2021)	1
New Supervisor Fundamentals	1
Personal Finance Strategies	1
PFAS Transport, Fate, and Remediation in Soil and Groundwater	8
Phone Etiquette: Take and Leave Phone Messages Like a Pro	1
Presentational Speaking Crash Course: Content	1
Procurement Training	3
Professional Engineer and Geologist License Examination Preparatory Course Request Overview	1
Section 508 Compliance: Enhancing Accessibility and Elevating Engagement	1
Set Your Long-Term Learning Goal	1
Statistics for Data Science and Business Analytics	1
Statistics Refresher	4
Supervisor's Health and Safety	2
The Impact of Emotional Intelligence	1
The Science of Bias	1
Think Critically at Work	1
Thriving in a Remote Environment (Microlearning Sequence)	1
Time Management Overview	1
Track Down an Email Instantly	1
Understand Your Manager's Communication Preferences	1
Water Leadership Program 100 Leading Self Certificate Series	1
Water Quality Regulation & Permitting	5
Windows 11 New Features	1
WLP102: Interpersonal Communication Skills	10
WLP203: Communicating Effectively in Complex Organizations: Delegating With and Without Authority	3
Write Valuable Email Subject Lines	1
Writing Effective & Compliant Duty Statements	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
23-026-150-1	Air Shasta Rotor & Wing, Inc.	Helicopter aerial surveillance services (Redding office – SB 901 funds)	7/1/2023	6/30/2026	\$105,000

Water Quality Study/Planning

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.

JUNE 2024 BOARD MEETING

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISCHARGE TO LAND

- Barsotti Juice Company (Revised WDRs)
- Bogle Delta Winery (Revised WDRs)
- Pacific Coast Producers (Revised WDRs)
- Redding Regional Septage Ponds (Revised WDRs)
- Sandridge Lemoore Cattle Plant (Revised WDRs)
- Turner Road Vintners (Revised WDRs)
- Vulcan Materials Austin Quarry (New WDRs)

TITLE 27 LAND DISPOSAL PROGRAM

- American Avenue Municipal Solid Waste Landfill (Revised)
- Bonzi Landfill (Revised)
- Eastlake Landfill (Revised)
- Foothill Landfill (Revised)
- Louisiana Pacific Corp. Red Bluff Class III Wood waste Landfill (Revised)

NPDES PERMITTING

- California Department of Corrections and Rehabilitation Deuel Vocational Institution Permit Rescission
- City of Clovis WWTF Permit Renewal
- Ironhouse Sanitary District WWTF Permit Renewal
- Yuba City WWTF Permit Renewal

AUGUST 2024 BOARD MEETING

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISCHARGE TO LAND

- Boundary Bend Olives (New)
- Revol Greens (New)
- Trinity River Lumber Log Yard (New)

NPDES PERMITTING

- City of Davis WWTP Permit Renewal
- City of Rio Vista Beach WWTF Permit Renewal

OCTOBER 2024 BOARD MEETING

NPDES PERMITTING

- Calaveras County Water District, Forest Meadows WWTP Permit Renewal
- City of Vacaville Easterly WWTP Permit Renewal
- City of Williams WWTP Permit Renewal

PENDING ACTIONS BUT NOT YET SCHEDULED FOR A BOARD MEETING

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISCHARGE TO LAND

- California Dairies Inc., Tipton Milk Processing Facility (Revised)
- CDCR Mule Creek State Prison (Revised)
- Central California Women’s Facility & Valley State Prison WWTF (Revised)
- City of Arvin WWTF (Revised)
- City of Lone Tertiary Treatment Plant (Revised)
- Cutler-Orosi WWTF (Revised)
- Del Rey WWTF (Revised)
- Dry Ranch Pistachios (New)
- Firebaugh WWF (Revised)
- Fowler Packing (Revised)
- General Order for Fruit and Vegetable Packing (New)
- General Order for Medium-Sized Domestic Wastewater Treatment Facilities (New)
- General Orders for Nut Hulling & Processing (New)
- Hughson Nut (New)
- Lindsay WWTF (Revised)
- Mission Bell Winery (Revised)
- Morning Star Packing Company (Revised)
- O’Neill Winery (Revised)
- Porterville WWTF (Revised)
- Rabbo Bros. (Revised)
- Teichert Hallwood (Revised)
- Teichert Vernalis (Revised)
- Teichert Woodland (Revised)
- Touchstone Pistachios (Revised)
- Treehouse Almonds (New)
- Tucson Ridge Development WWTF (New)
- Ventura Coastal Corporation (Revised)
- Wasco State Prison WWTF (Revised)
- Woodbridge Winery (Revised)

TITLE 27 LAND DISPOSAL PROGRAM

- 28th St Landfill / Cannon and Scollan / Dellar Landfill (Revised)
- Chateau Fresno Municipal Solid Waste Landfill (Revised)
- Twin Bridges Class II Landfill (Revised)

NPDES PERMITTING

- Limited Threat General Order Permit Amendment