

**EXECUTIVE OFFICER'S REPORT**

**22 JUNE 2023**

**CALIFORNIA REGIONAL WATER QUALITY CONTROL**

**BOARD**

**CENTRAL VALLEY REGION**

**PATRICK PULUPA, EXECUTIVE OFFICER**



**STAFF RECOGNITION ..... 3**  
**PROGRAM REPORTS ..... 7**  
**ENFORCEMENT REPORT ..... 33**  
**SPECIAL FOCUS AREAS..... 44**  
**GRANT OVERSIGHT ..... 49**  
**OUTREACH..... 51**  
**PERSONNEL AND ADMINISTRATION ..... 56**  
**FUTURE BOARD ACTIVITIES..... 60**  
**ATTACHMENT A – SANITARY SEWER OVERFLOW SUMMARY ..... 64**

## STAFF RECOGNITION

### EMPLOYEE RECOGNITION AWARDS APRIL 2023 THROUGH MAY 2023

At the April and May 2023 All Staff Meetings, Executive Officer Pulupa presented Employee Recognition Awards to the following staff in the Rancho Cordova office:

#### **EMPLOYEES: JORGE BELTRAN AND MIKE FISCHER**

**UNIT:** Stormwater

**LOCATION:** Rancho Cordova Office

**TITLE:** Water Resource Control Engineers

**SUPERVISOR:** Brett Stevens

The 2021/22 wet season began with a substantial storm in October, and a series of storms in December. After a few years of drought, many developers were complacent in implementing their stormwater BMPs. Jorge and Mike identified the most egregious sites, either through previous field observations or via coordination with city stormwater staff.

Jorge and Mike's enforcement efforts resulted in six ACLs. After numerous settlement meetings with dischargers and coordination meetings with management and OE counsel, Jorge and Mike were able to settle all six ACLs for penalty amounts ranging from \$36,000 to \$194,000.

Likely because of the six ACLs, stormwater staff's field observations indicate that developers were more diligent going into the 2022/23 wet season, which has turned out to be one of the wettest on record.

#### **EMPLOYEE: STEPHEN HUIE**

**UNIT:** Nonpoint Source Planning (NPS) and Assessment Unit

**LOCATION:** Rancho Cordova Office

**TITLE:** Environmental Scientist

**SUPERVISOR/TITLE:** Jennifer LaBay, NPS Program Manager

Stephen Huie joined the Central Valley Water Board as an Environmental Scientist in September 2021. Stephen was hired to work on an assessment and evaluation of bio stimulatory substances in the Central Valley, like nutrients, chlorophyll, and harmful algal blooms. Currently, Stephen is assessing the Central Valley's lakes and reservoirs to determine where we have data and what story that data is telling us.

Within the last year, Stephen has been working with researchers from the Southern California Coastal Water Research Project (SCCWRP) on the lakes and reservoir assessment. Stephen has proven himself to be a very talented and thoughtful data analyst. To date, he has developed several Shiny Apps through the R Program for the project that visualizes much of the data the Board currently has access to, collated from

a series of public data repositories. Curating this dataset was an impressive task on its own, and Stephen did an excellent job in pulling these data together into a well annotated and curated final product.

Stephen is an enjoyable person to work with, has a very 'can-do' attitude, and is deeply engaged in his work. Notably, he has developed an intentional communication style, which has been particularly important since he has conducted much of his work (particularly with SCCWRP) remotely. He keeps good notes and comes to meetings prepared with an agenda of meaningful discussion topics and questions. He is also very dependable and does an excellent job of keeping his work organized and moving forward.

For this and so much more, Stephen is very deserving of this award.

## **EMPLOYEE: NICHOLAS SAVINO**

**UNIT:** 401 Cert/Dredging Unit

**LOCATION:** Rancho Cordova Office

**TITLE:** Environmental Scientist

**SUPERVISOR/TITLE:** Stephanie Tadlock

Nick is an Environmental Scientist in the Water Quality Certification and Dredging Unit and has been with the Waterboards since April 2022. He currently manages both Habitat Conservation Plan programs that we participate in for both South Sacramento County and Placer County. He has been able to provide consistent coordination with both programs and has become quite familiar with projects that seek participation through our programmatic certifications. He also works on varying sensitive projects within the Sacramento/San Joaquin Delta region. He is a responsive communicator and coordinator with staff and management and is efficient in submitting draft certifications and documents in a timely manner, often well in advance of deadlines determined by the Army Corps of Engineers through the USEPA 401 Rule or management. After only one year in the position, he consistently meets the deadlines set for his high workload, which includes a variety of projects of diverse types and needs throughout Region 5.

Nick exhibits an elevated level of organization, provides excellent and responsive communication both within and outside of our region, and is willing to assist in solving problems and finding answers in a fast and efficient manner. His knowledge and willingness to go beyond makes him valued staff within the 401Unit and the Regional Board. For this and many other reasons, he is well deserving of the Employee Recognition Award.

At the May 2023 All Staff Meeting, Executive Officer Pulupa presented Employee Recognition Awards to the following staff in the Rancho Cordova and Fresno office locations:

## **EMPLOYEES: ERIC WARREN, WALTER FLOYD, BRYAN ROCK**

**UNIT:** Irrigated Lands Regulatory Program (ILRP) and Site Cleanup Units

**LOCATION:** Fresno and Rancho Cordova Offices

**TITLE:** Team Award: Senior Engineer and Geologist; Engineering Geologist

**SUPERVISOR/TITLE:** Sue McConnell, ILRP Manager

Eric, Walt and Bryan are being recognized for their thorough review of the Irrigated Lands Groundwater Protection Targets report and providing effective presentations for the Environmental Justice representatives and our Board. The Targets are to address drinking water impacts from elevated nitrate concentrations in groundwater and track the progress of irrigated agricultural contributions. Agricultural coalitions propose to use sophisticated models in the public domain to predict groundwater outcomes from estimated nitrate loading from irrigated lands and other sources. This process will be utilized by the management zones as a part of the CV-SALTS Nitrate Control Program.

Eric effectively shepherded in the earlier two phases of the groundwater protection effort and continued making evaluation of the complex process look straightforward. Bryan, a new member of the Irrigated Lands team, has been invaluable in providing a fresh perspective and performing the analysis necessary for the evaluation. Walt, brought into the team as a groundwater modeling consultant, went far beyond expectations. Walt evaluated significant ambient groundwater data as a way of evaluating the model results.

For this project, Eric, Walt and Bryan modeled effective collaboration and teamwork across offices and programs. They worked well together as well as individually to ensure the successful Board discussion item. For this and so much more, they are all deserving of the Employee Recognition Award!

At the April and May 2023 All Staff Meeting, Assistant Executive Officer Clint Snyder presented an Employee Recognition Award to the following staff in the Redding office:

## **EMPLOYEE: MICHAEL COLLINS**

**UNIT:** National Pollutant Discharge Elimination System (NPDES) Program

**LOCATION:** Redding Office

**TITLE:** Water Resource Control Engineer (WRCE)

**SUPERVISOR:** Stacy Gotham, Senior WRCE

Michael Collins is a WRCE who has been working in the NPDES program since 2018, performing both permitting and compliance and enforcement duties. Michael has earned the employee recognition award for his contribution to multiple aspects of our program including his leadership in permit writing, proficiency in compliance and enforcement, mentoring of fellow staff, and for being an excellent team member.

During the past quarter, Michael worked on two NPDES permits and successfully brought the items to the final stages within the targeted deadlines. Both permits came

with challenges. One permit was highly technical, it included development of mixing zones and dilution credits for effluent limitation calculations and incorporation of the new Statewide Toxicity Provisions. The other permit action was a Notice of Applicability (NOA) for enrollment in the Limited Threat General Order. The issuance of the NOA required additional coordination with the applicant to ensure the schedule remained on track and that information needs were met. Michael participated in weekly meetings with the applicant and fielded numerous questions related to the enrollment process during the past quarter. Michael did not let the applicant's tight timeframe for commencement of the project compromise the integrity of the application process. He displayed firm, but fair, thresholds for project description and data needs. This resulted in a NOA that is thorough, complete, and meets the needs of the project scope.

Michael has also been working diligently on NPDES compliance and enforcement items this past quarter. Under Michael's lead, over 100 monitoring reports were reviewed for compliance determination and 5 Notice of Violations have been issued related to his case load. Michael has also completed his scheduled fiscal year compliance and enforcement inspection targets during the past quarter.

One of Michael's strengths includes independently seeking out answers to regulatory challenges; he does this by familiarizing himself with past permit adoptions, recent Orders, and taking the time to read guidance documents and relevant policy. As a result of these extra efforts, Michael is both a technical and policy resource for our Unit. Michael is always willing to share his knowledge and insight with staff and help someone through a process that is new to them. He maintains a great attitude, he is dependable, and exemplifies the qualities we seek in a team member. We are so fortunate to have Michael at the Central Valley Water Board and within the NPDES program.

## **EMPLOYEE: KELLY HICKCOX**

**UNIT:** Forest Practice

**LOCATION:** Redding Office

**TITLE:** Engineering Geologist

**SUPERVISOR:** Angela Wilson, Supervising Engineering Geologist

Kelly Hickcox is receiving this award for his outstanding work in the Forest Practice Unit of the Redding office. Kelly joined the Central Valley Water Board in 2018 as an Engineering Geologist in the Cannabis Program and then moved into the Forest Practice Unit in 2019. Kelly has made considerable contributions to the Unit and the Forest Activities Program in a short amount of time. Kelly currently manages oversight of timber harvesting projects in Tehama, Butte and Glenn counties and has gained a reputation as a practical, thoughtful, and helpful team member.

Over the past two years, he has taken on the task of researching and evaluating multiple post-fire ground cover assessment methodologies to develop guidance for both internal staff and for dischargers, producing a thorough summary that will be used within our region and shared with other regions.

Kelly has also recently voluntarily taken on the organization of outreach and reminder letters for the entire region to improve timely submittals of required annual reports for hundreds of enrolled timber harvest projects. He is also assisting his unit by working with IT to increase efficacy in the field using tablets. His willingness to learn and take on new challenges is appreciated by his team and Program Manager.

Kelly is always supportive of his teammates, and willing to pitch in. His willingness and positive attitude are an asset to the unit, the Redding office and the Forest Activities Program. The Central Valley Water Board is grateful for Kelly's contributions.

## **PROGRAM REPORTS**

### **BASIN PLANNING**

#### **TOTAL MAXIMUM DAILY LOAD (TMDL) PROGRAMS**

##### **PESTICIDE TMDLS**

On 8 June 2017, the Board adopted a Basin Plan Amendment (BPA) which established a Control Program for Pyrethroid Pesticide Discharges throughout the Sacramento and San Joaquin River Basins, as well as Total Maximum Daily Loads (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 but one (City of Modesto) of the five Phase I MS4 permittees have complied with the Orders and submitted Plans by the 1 December 2020 deadline. Four of the five Phase I MS4 permittees reported exceedances of the prohibition triggers. Two of these permittees are already implementing their required PMP, and Board staff have solicited revisions to the PMPs submitted by the other two permittees. These revised PMPs are expected in June and November of 2023.

Six Phase II MS4 permittees selected the baseline monitoring option and received subsequent approval of their Baseline Monitoring Plans. The Baseline Monitoring Plan for Lake County Phase II co-permittees was approved on 6 October 2022 and baseline monitoring was initiated in January 2023. Three of the Phase II MS4 permittees (Cities of Davis, Los Banos, and Woodland) reported exceedances during baseline monitoring, and in accordance with the Order, submitted PMPs in September and October 2022. The PMPs for the Cities of Los Banos and Davis were approved in October 2022. The PMP for the City of Woodland was approved in January 2023. Baseline Monitoring Reports from the Cities of Redding and Chico were approved in late 2022, fulfilling the responsibilities of these cities under the Order.

Board staff received notices of intent to submit a PMP from 48 Phase II MS4 permittees. Of those 48 Phase II MS4 permittees, 44 submitted PMPs. Of those original submittals, 22 PMPs were approved and letters requesting revisions were sent to the remaining 22 Phase II MS4 permittees. Revised PMPs have been approved for 15 Phase II permittees. Remaining outstanding revisions are expected on or before 30 June 2023. Four Phase II MS4 permittees did not submit a PMP in accordance with the Order. Of these four, the Cities of Madera and Red Bluff submitted and subsequently received approval of their PMPs in October 2022 and January 2023, respectively. Board staff continue to work with the Phase II MS4 permittees (7) whose PMPs require revisions and the Phase II MS4 permittees (2) that did not submit PMPs.

In June 2023, Board staff released the Draft Final Report for Agreement 18–027–150, a contract with the University of California, Davis (Contractor) for the determination of pyrethroid partition coefficients of sediment samples collected from watersheds throughout California. The Draft Final Report is now open for public comment and the Contractor will consider the public feedback in the development of the Final Report. The Draft Final Report can be obtained by contacting Sajleen Phagura at (916) 464-4700 or at [Sajleen.Phagura@waterboards.ca.gov](mailto:Sajleen.Phagura@waterboards.ca.gov). For more information, please see the public notice available on the Board's [Public Notices website](#) here:

([https://www.waterboards.ca.gov/centralvalley/public\\_notices/](https://www.waterboards.ca.gov/centralvalley/public_notices/))

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



## **DELTA METHYLMERCURY CONTROL PROGRAM/TMDL**

The Delta Mercury Control Program and associated Methylmercury TMDL (DMCP) was adopted as a phased TMDL by the Regional Board on 22 April 2010. Final approval by the U.S. EPA was received on 20 October 2011. The TMDL was adopted as a Basin Plan Amendment and includes a control program to reduce methylmercury and inorganic mercury in the Delta.

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

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

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

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

([https://www.waterboards.ca.gov/centralvalley/water\\_issues/tmdl/central\\_valley\\_projects/delta\\_hg/](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 23 March through 22 May 2023, no excursions were detected exceeding the water quality objective. However, in September 2022, the Port of Stockton initiated the aerators, only to experience technical issues. One pump ran for a brief time then shut down and a brief time later the other pump failed. Currently, both pumps are being repaired, one pump has been removed and the other is in place. There is no estimated timeframe for the pumps coming back on-line.

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

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

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

([https://www.waterboards.ca.gov/centralvalley/water\\_issues/tmdl/central\\_valley\\_projects/san\\_joaquin\\_oxygen/index.shtml](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 Driver's study, the UC Davis study, Tribal monitoring data, and other stakeholder efforts. Board staff participated in the Blue Ribbon Committee meetings which focused on funding proposals for projects in Clear Lake.

More information can be found on the [Clear Lake Nutrient TMDL website](#) here: ([https://www.waterboards.ca.gov/centralvalley/water\\_issues/tmdl/central\\_valley\\_projects/clear\\_lake\\_nutrients/](https://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/clear_lake_nutrients/))

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

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

## **CV-SALTS/SALT CONTROL PROGRAM**

### **LOWER SAN JOAQUIN RIVER SALT AND BORON TMDL**

On 17 January 2023, the United States Bureau of Reclamation (USBR) submitted their 2022 Management Agency Agreement Annual Report. The Annual Report summarizes activities conducted by USBR in fiscal year 2022 under the Management Agency Agreement to meet obligations assigned to it by the Salt and Boron TMDL for the lower San Joaquin River. These activities were previously described in an Annual Work Plan submitted by USBR and approved by the Central Valley Water Board.

The Report is available on the [USBR website](https://www.usbr.gov/mp/ptms/docs/maa-2022-annual-report.pdf) for the Program to Meet Standards.

(<https://www.usbr.gov/mp/ptms/docs/maa-2022-annual-report.pdf>)

### **SALT PRIORITIZATION AND OPTIMIZATION (P&O) STUDY**

On 13 April 2023, Central Valley Water Board Executives (Patrick Pulupa, Adam Laputz) and Staff (Hannah Dailey, Cindy Au-Yeung, and True Khang) attended a CV-SALTS Executive Committee Meeting regarding implementation of the Salt and Nitrate Control Programs. Topics included a status update on the Management Zones' general implementation and outreach progress, Central Valley Water Board enforcement activities, SAFER funding of co-contaminants in Management Zones, and updates on the progress of the Salt Control Program P&O Study, including the Baseline Characterization Report Source Assessment and the status of the Data Management System development.

On 13 April 2023, Central Valley Water Board Executive Adam Laputz and Central Valley Water Board Staff Hannah Dailey attended a CV-SALTS P&O Study Regulatory and Policy Issues Small Group Meeting. Topics included salinity target guiding principles and policy choices, antidegradation, and salinity target development approaches.

On 18 May 2023, Central Valley Water Board Executives (Patrick Pulupa, Adam Laputz) and Staff (Angela Llaban, Hannah Dailey, Cindy Au-Yeung, True Khang, and Jennie Fuller) attended a CV-SALTS Executive Committee Meeting regarding implementation of the Salt and Nitrate Control Programs. Topics included a status update on the Management Zones' general implementation and outreach progress, Central Valley Water Board enforcement activities, Nitrate Control Program deadlines and deliverables, SAFER funding of co-contaminants in Management Zones, and updates on the progress of the Salt Control Program P&O Study, including the Central Valley Scale Modeling and Baseline Characterization and the presentation of the Final Beneficial Use Literature Review (Task 3.1.1 of P&O Study Workplan).

On 18 May 2023, Central Valley Water Board Executive Adam Laputz and Central Valley Water Board Staff Hannah Dailey and Jennie Fuller attended a CV-SALTS P&O Study Regulatory and Policy Issues Small Group Meeting. Topics included salinity target guiding principles and policy choices, antidegradation, and salinity target development approaches.

### **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:

More information on the [Municipal and Domestic Supply \(MUN\) Beneficial Use Project](https://www.waterboards.ca.gov/centralvalley/water_issues/salinity/mun_beneficial_use/) can be found here:

([https://www.waterboards.ca.gov/centralvalley/water\\_issues/salinity/mun\\_beneficial\\_use/](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 (BPA). 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 use 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 BPA**

The Central Valley Water Board adopted a BPA to de-designate MUN and AGR use in groundwater within a portion of the Southern Lost Hills Oilfield in June 2022. The State Water Board approval hearing was originally scheduled for 6 December 2022 but has been postponed due to concerns regarding the AGR salinity threshold utilized to de-designate AGR beneficial use, peer review, groundwater characterization and AB 2108 outreach. A meeting with State Board staff was held and all concerns have been allayed except for the AB 2108 outreach issue. Once State Board counsel has determined whether more AB 2108 related outreach is needed or not, the State Board approval hearing will be rescheduled.

## **CALIFORNIA INDEPENDENT PETROLEUM ASSOCIATION (CIPA) BPA**

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

## **MCKITTRICK OIL FIELDS AREA BPA EVALUATION**

Valley Water Management Company (Valley Water) operates oil field produced wastewater disposal facilities in Kern County. The Facilities receive produced wastewater from oil and gas producers in adjacent oil fields. Valley Water has requested to have MUN and AGR beneficial use removed from groundwater in portions 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 opportunity letters. Board staff prepared for and organized a CEQA Scoping Meeting on 25 May 2023 in Buttonwillow, CA.

## **TRIBAL BENEFICIAL USES DESIGNATIONS**

On 2 May 2017, the State Water Board adopted Part 2 of the Water Quality Control Plan for Inland Surface Waters, Enclosed Bays, and Estuaries of California —Tribal and Subsistence Fishing Beneficial Uses and Mercury Provisions (Resolution 2017-0027). This Resolution established three new beneficial use definitions: Tribal Tradition and Culture (CUL), Tribal Subsistence Fishing (T-SUB), and Subsistence Fishing (SUB). The SUB and T-SUB beneficial uses relate to the risks to human health from the consumption of fish or shellfish. The definition for CUL also includes consumption of aquatic resources to support cultural, spiritual, ceremonial, and traditional rights.

On 6 December 2018, the Central Valley Water Board adopted Resolution R5-2018-0079 approving the 2018 Triennial Review with TBU designations as a priority project. At the 18 February 2022 Board Meeting, the Central Valley Water Board adopted the proposed basin plan amendment (BPA) to add the TBU definitions to the Water Quality Control Plans for the Sacramento River and San Joaquin River Basins and Tulare Lake Basin. On 7 September 2022, the State Water Board approved the BPA. Board staff continue to usher the BPA through the Office of Administrative Law and United States Environmental Protection Agency as the final components of the approval process.

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

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

As a commitment to providing government-to-government meetings, Board staff host semi-annual hybrid meetings to provide project updates to tribes and their representatives as well as to solicit input to incorporate into the Board's approach. Tribes and their representatives are polled to determine the best timeframes that consider tribal cultural activities and traditional tribal practices to ensure maximum participation. Board staff hosted meetings on 28 April 2022, 10 November 2022, 20 April 2023, and the next meeting will be scheduled for fall 2023.

Board staff continued meeting with tribes who submitted TBU designation requests to review their request, discuss evidence submitted, and provide an opportunity to

establish continued collaboration. Meetings will continue to be held and offered throughout the TBU designation process.

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

([https://www.waterboards.ca.gov/centralvalley/water\\_issues/basin\\_plans/tribal\\_beneficial\\_uses/](https://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/tribal_beneficial_uses/))

## **BIOSTIMULATORY/BIOINTEGRITY POLICY DEVELOPMENT**

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

Board staff are managing a task in the Statewide consolidated contract with the Southern California Coastal Water Research Project (SCCWRP) to develop technical analyses that are focused on Central Valley streams, lakes, and reservoirs. For wadable streams, SCCWRP is compiling and reviewing data from waterways physically modified by human activities. For lakes and reservoirs, Board staff are working closely with SCCWRP staff to develop interactive display tools for chlorophyll, nutrients, cyanotoxins, and other data.

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

([https://www.waterboards.ca.gov/water\\_issues/programs/biostimulatory\\_substances\\_biointegrity/](https://www.waterboards.ca.gov/water_issues/programs/biostimulatory_substances_biointegrity/))

## **NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PROGRAM (NPDES)**

### **PROJECTS**

NPDES staff released draft permit language for public comment for the renewal of the NPDES General Order for Municipal Wastewater Dischargers That Meet Objectives/Criteria at the Point of Discharge to Surface Water (Municipal General Order). With the progression of most wastewater treatment facilities toward tertiary treatment, many facilities with NPDES discharges are operating at a consistently high level with similar effluent limits and monitoring schedules. Originally adopted in 2017, the Municipal General Order allows advanced facilities to be grouped under a single general order to streamline the NPDES permit renewal process. Discharger-specific effluent limitations and monitoring requirements are issued through a Notice of Applicability approved by the Executive Officer. Nineteen facilities are currently

permitted under this general order, with plans to add two more by the end of the fiscal year. The public comment period ended on 7 April 2023 and the consideration of adoption of the renewed general order was rescheduled from the April 2023 Central Valley Water Board Meeting to the June 2023 Board Meeting.

## GENERAL ORDER ENROLLMENTS

The Central Valley Water Board has issued several NPDES general orders to streamline the permitting process for similar-type discharges. Where existing NPDES permittees meet the eligibility requirements of the general orders staff seek to enroll the permittees under the general orders to streamline the permitting process. The NPDES Tables below, summarize the Notices of Applicability that have been issued to date for Fiscal Year 2022/2023 (31 March 2023 through 25 May 2023) for the General Waste Discharge Requirements/NPDES Permit for Limited Threat Discharges to Surface Water (Limited Threat General Order), Waste Discharge Requirements for Municipal Waste Dischargers that Meet Objectives/Criteria at the Point of Discharge to Surface Water (Municipal General Order), and Waste Discharge Requirements for Cold Water Concentrated Aquatic Animal Production Facility Discharges to Surface Water (CAAP General Order).

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

Facility	General Order Permit Number
Union Pacific Railroad Company, Dunsmuir Railyard Dewatering Project	R5-2022-0006-011
Signature Homes, Machado Ranch Project	R5-2022-0006-014

## PERMITTING INITIATIVES

The responsibility of the Program Managers for the Non-15, Title 27, and Water Quality Certifications program to discuss/provide updates on major permitting initiatives undertaken by the Regional Board or that the State Water Board is working on where the Central Valley Water Board has a significant role to play – such as the Utility General Order and the Statewide Restoration General Order, both of which involve the Water Quality Certificatinos Program. Nitrate Control Program Implementation update shall be provided here.

## WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM

Staff are currently working with legal to complete requirements to implement requirements of Assembly Bill 2108. This Assembly Bill sets forth requirements to conduct equitable, culturally relevant outreach to disadvantaged communities or tribal

communities and make findings on anticipated water quality impacts in disadvantaged communities and tribal communities because of the this permitted activity.

## **GENERAL ORDERS UNDER DEVELOPMENT**

### **WDR PROGRAM**

Three groups of discharges have been identified that are similar in nature and include a considerable 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 and seed drying operations, and fruit and vegetable packing. Each of our offices will take the lead to develop one of these General Orders - Redding will lead the mid-sized domestic, Rancho Cordova will lead the nut and seed drying, and Fresno will lead the fruit and vegetable packing.

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**

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

### **SACRAMENTO VALLEY WATER QUALITY COALITION**

On 12 April 2023, the Executive Officer approved completion of a diazinon management plan in Gilsizer Slough for the Sacramento Valley Water Quality Coalition (Coalition).

The implemented management plan successfully eliminated a water quality problem caused or influenced by discharge of agricultural pollutants into surface receiving waters. The Coalition held multiple member meetings to provide guidance regarding practices to protect water quality. Examples of practices implemented by growers include follow label instructions, permit conditions, and PCA recommendations; avoid surface water when spraying; monitor wind and rain conditions; lengthen time between pesticide application and irrigation; and increase soil water penetration with amendments. Monitoring results showed that the water quality objective is being met, demonstrating the effectiveness of implemented practices.



## **WESTSIDE SAN JOAQUIN RIVER WATERSHED COALITION**

On 4 May 2023, the Executive Officer approved completion of 44 management plans for the Westside San Joaquin River Watershed Coalition (Coalition). The management plans were for pesticides, toxicity, and metals.

The implemented management plans successfully eliminated water quality problems caused or influenced by discharge of agricultural pollutants into surface receiving waters. The Coalition held multiple member meetings to provide guidance regarding practices to protect water quality. Examples of practices implemented by growers include installing tailwater return systems and drainage basins, laser leveling fields; using polyacrylamide to reduce erosion, evaluating soil moisture, and maintaining setbacks, grass row centers and berms. Monitoring results showed that the water quality limits are being met, demonstrating the effectiveness of implemented practices.

## **ILRP QUARTERLY STAKEHOLDER MEETINGS**

The next ILRP stakeholder meeting will be on 26 July 2023. It will be a hybrid meeting held on Zoom and at the Stanislaus County Farm Bureau. One of the primary topics of discussion will be the Groundwater Protection Targets.

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

([https://www.waterboards.ca.gov/centralvalley/water\\_issues/irrigated\\_lands/regulatory\\_information/stakeholder\\_advisory\\_workgroup/index.html](https://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_lands/regulatory_information/stakeholder_advisory_workgroup/index.html)).

## **STATE WATER BOARD INFORMATION ITEM REGARDING IMPLEMENTATION OF ORDER WQ 2018-0002**

On 7 February 2018, the State Water Board adopted Order WQ 2018-0002 in response to the petitions of the Eastern San Joaquin River Watershed General Waste Discharge Requirements, the first requirements adopted by the Central Valley Water Board to address discharges of waste from irrigated lands to both surface water and groundwater. Order WQ 2018-0002 included numerous requirements for the Central Valley Water Board's Irrigated Lands Regulatory Program, including a requirement for annual updates to the State Water Board starting in September 2020. On 20 September 2022, staff provided the third update in accordance with Order WQ 2018-002 and focused on Program enrollment efforts, drinking water well monitoring and Groundwater Protection Targets. The [update presentation](#) is available on YouTube here:

([www.youtube.com/watch?v=g2h39wAZ2wM&t=3712s](http://www.youtube.com/watch?v=g2h39wAZ2wM&t=3712s))

## **ILRP COMPLIANCE, OUTREACH & ENFORCEMENT**

### **DRINKING WATER WELL MONITORING OUTREACH**

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

Board staff is tracking notification submittals and conducting follow-up as needed to ensure that members/landowners with wells exceeding the nitrate drinking water standard are notifying users of the impacted wells. Between 1 March and 30 April 337 samples were submitted to GeoTracker by 174 members/landowners from ESJWQC, San Joaquin Delta, the Western San Joaquin River, the Sacramento Valley, and the Tulare Lake Basin Water Quality Coalitions. Approximately 13 percent of samples exceeded the drinking water standard. During the same time, staff sent emails/phone calls to members reminding them of the notification requirement. Out of 4106 drinking water well exceedances staff have received 4083 notification responses. Staff continue to follow up with phone calls, emails, letters and notices of violation, as necessary, for inadequate notification action.

Board staff also sent out 2314 “Reminder to Sample” postcards to members of the East San Joaquin Water Quality Coalition.

Region-wide, this effort has resulted in 19,746 nitrogen samples being collected and entered GeoTracker for over 13,050 wells, with approximately 31% of the wells exceeding the nitrate drinking water standard (as of 30 April 2023).

### **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.

<b>Coalition Area</b>	<b>Reminder Letters sent 1 March – 30 April</b>
Sacramento Valley Water Quality Coalition	16
San Joaquin County & Delta Water Quality Coalition	96
<b>Total</b>	<b>112</b>

## 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.

<b>Coalition Area</b>	<b>Reminder Letters sent 1 March – 30 April</b>
Sacramento Valley Water Quality Coalition	151
East San Joaquin Water Quality Coalition	5
<b>Total</b>	<b>151</b>

## 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.

<b>Coalition Area</b>	<b>Directive Letters sent 1 March – 30 April</b>
Sacramento Valley Water Quality Coalition	140
<b>Total</b>	<b>140</b>

## NOTICES OF VIOLATION FOR FAILURE TO RESPOND TO SECTION 13260 DIRECTIVES

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

<b>Coalition Area</b>	<b>NOVs sent 1 March – 30 April</b>
East San Joaquin Water Quality Coalition	11
<b>Total</b>	<b>11</b>

## 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 the Sacramento Valley Water Quality Coalition provided information on members who have not submitted their Irrigation and Nitrogen Management Plan Summary Reports by the 1 March 2023

deadline. This allowed ILRP staff to initiate follow up prior to the typical 31 July coalition member information due date. Notices of Violation (NOVs) are issued for those that do not respond to reminder letters. We are also issuing Directive letters for members who have dropped out of the coalition due to non-payment. We have also sent outreach to those identified by our mapping efforts as non-filers to the program and have issued Directive letters to those who have not responded. NOVs will be sent to those who do not respond to the Directive letters. 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
AMR	Annual Monitoring Report
AMPINAR	Annual Management Practice Implementation and Nitrogen Application Report
GQTM	Groundwater Quality Trend Monitoring
TMDL	Total Maximum Daily Load

## SACRAMENTO VALLEY WATER QUALITY COALITION

### Deliverables and Activities

Submittal Date	Item	Review Status	Notes
3/15/2023	Management Plan Completion Request	Approved 4/12/2023	
5/1/2023	AMR	Under review	
5/1/2023	5-Year GQTM	Under review	
5/1/2023	TMDL Report	Under review	

## SAN JOAQUIN RIVER WATERSHED COALITION GROUPS

### ILRP Acronyms

Acronyms	Meaning
AMR	Annual Monitoring Report
AMPINAR	Annual Management Practice Implementation and Nitrogen Application Report
GW	Groundwater
MPU	Monitoring Plan Update
QAPP	Quality Assurance Project Plan
WY	Water Year

## EAST SAN JOAQUIN WATER QUALITY COALITION

### Deliverables and Activities

Submittal Date	Item	Review Status	Notes
3/1/2023	Quarterly Monitoring Data	Reviewed 3/1/2023	
3/27/2023	QAPP Amendment	Under review	

## SAN JOAQUIN COUNTY AND DELTA WATER QUALITY COALITION

### Deliverables and Activities

Submittal Date	Item	Review Status	Notes
3/21/23	QAPP amendment	Approved	Approved waiting for signatures
3/28/23	Req for report reduction INMP	Approved 4/19/23	
5/1/23	Annual Monitoring Report	Under review	Includes Groundwater and Norman's Nursery

## WESTSIDE SAN JOAQUIN RIVER WATERSHED COALITION

### Deliverables and Activities

Submittal Date	Item	Review Status	Notes
11/30/2022	AMPINAR	Review sent 3/29	
3/24/2023	Management Plan Completion Request	Review sent 5/4	44 management plans completed
5/1/2023	GW Trend Monitoring AMR	Review pending	
5/10/23	Revised QAPP	Review sent 5/16	

## GRASSLAND DRAINAGE AREA COALITION

### Deliverables and Activities

Submittal Date	Item	Review Status	Notes
11/30/2022	AMPINAR	Approved 4/6	
5/1/2023	2022 AMR	Under review	

## TULARE LAKE BASIN COALITION GROUPS

### ILRP Acronyms

<b>Acronyms</b>	<b>Meaning</b>
AMR	Annual Monitoring Report
SWMP	Surface Water Monitoring Plan
SQMP	Surface Water Quality Management Plan

### BUENA VISTA COALITION

#### Deliverables and Activities

<b>Submittal Date</b>	<b>Item</b>	<b>Review Status</b>	<b>Notes</b>
03/01/2023	Q1 2023 Surface Water Monitoring Data	Complete	

### CAWELO WATER DISTRICT COALITION

#### Deliverables and Activities

<b>Submittal Date</b>	<b>Item</b>	<b>Review Status</b>	<b>Notes</b>
03/01/2023	Q4 2022 Surface Water Monitoring Data	Complete	

### KAWEAH BASIN WATER QUALITY ASSOCIATION

#### Deliverables and Activities

<b>Submittal Date</b>	<b>Item</b>	<b>Review Status</b>	<b>Notes</b>
03/01/2023	Q4 2022 Surface Water Monitoring Data	Complete	
03/24/2023	SWMP – Revision 3	Approved	
04/24/2023	Comprehensive SQMP	Under Review	

**KERN RIVER WATERSHED COALITION AUTHORITY**

**Deliverables and Activities**

<b>Submittal Date</b>	<b>Item</b>	<b>Review Status</b>	<b>Notes</b>
03/01/2023	Q1 2023 Surface Water Monitoring Data	Complete	

**KINGS RIVER WATER QUALITY COALITION**

**Deliverables and Activities**

<b>Submittal Date</b>	<b>Item</b>	<b>Review Status</b>	<b>Notes</b>
03/01/2023	Q4 2022 Surface Water Monitoring Data	Complete	

**TULE BASIN WATER QUALITY COALITION**

**Deliverables and Activities**

<b>Submittal Date</b>	<b>Item</b>	<b>Review Status</b>	<b>Notes</b>
04/12/2023	Surface Water Sampling Status Update	N/A	

**WESTLANDS WATER QUALITY COALITION**

**Deliverables and Activities**

<b>Submittal Date</b>	<b>Item</b>	<b>Review Status</b>	<b>Notes</b>
03/01/2023	Q3 2022 Surface Water Monitoring Data	Complete	

## WESTSIDE WATER QUALITY COALITION

### Deliverables and Activities

<b>Submittal Date</b>	<b>Item</b>	<b>Review Status</b>	<b>Notes</b>
03/01/2023	Q1 2023 Surface Water Monitoring Data	Complete	

## OTHER PROJECTS

### DATA MANAGEMENT

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

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

### GRASSLAND BYPASS PROJECT

#### Deliverables and Activities

<b>Submittal Date</b>	<b>Item</b>	<b>Review Status</b>	<b>Notes</b>
12/20/2022	QAPP Update	Under review	
4/27/2023	2022 AMR	Under review	

### NORMAN'S NURSERY

#### Deliverables and Activities

<b>Submittal Date</b>	<b>Item</b>	<b>Review Status</b>	<b>Notes</b>
5/1/2023	Annual Management Plan Progress Report	Review pending	



## **DAIRIES/CONFINED ANIMAL FACILITIES**

### **ANNUAL INSPECTION PROGRESS**

The number of Confined Animal Facility inspections conducted since the last meeting of the Board is typically reported in the Enforcement Report below. Regarding progress on the annual number of inspections conducted, as of 30 May, the Rancho Confined Animals Unit has conducted 78 inspections and the Fresno Confined Animals Unit has conducted 90 inspections, for a total of 168. The annual performance target for Fiscal Year 2022/20223 is 275 inspections.

### **DAIRY DIGESTERS/DAIRY POND LINER DESIGN REPORTS**

Dairy digester projects usually begin as a double lined pond that once constructed is covered and converted to a digester. Staff 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.

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

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

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

### **ANNUAL REPORTS**

The Rancho Cordova CAF Unit received approximately 550 dairy and 105 bovine facility annual reports. The Unit issued 86 Notice of Violations (NOVs) to Dischargers for not filing annual reports for their dairy facilities and 14 NOVs for their bovine facilities.

The Rancho Cordova Unit also received approximately 101 poultry facility annual reports and issued 42 NOVs to Dischargers that did not file an annual report.

The Fresno CAF Unit received 458 dairy facility annual reports, 117 bovine feedlot facility annual reports, and 106 poultry facility annual reports. There were 26 dairy facility non-filers, 18 bovine facility non-filers, and 10 poultry facility non-filers. Fresno CAF Unit staff are working on appropriate enforcement for the non-filers.

## **WEATHER RELATED ISSUES**

Heavy rains, a large snowpack in the Sierra Nevada, and associated flooding in various parts of the Central Valley have resulted in a variety of issues for the Region's confined animal facilities, including but not limited to, inundation of low-lying land application areas, the potential need to move herds, and complaints of off-site discharges. The staff continues to monitor the situation, investigate complaints, and where appropriate will recommend enforcement.

## **ALTERNATIVE MANURE MANAGEMENT**

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

([https://www.cdfa.ca.gov/oefi/research/docs/MRIP\\_FinalReport.pdf](https://www.cdfa.ca.gov/oefi/research/docs/MRIP_FinalReport.pdf))

## **PONDS INTERSECTING GROUNDWATER**

Directives were issued to about 70 dairies in the spring of 2019 requiring them to determine whether there is separation between the bottoms of their ponds and the highest anticipated level of groundwater. As a result, approximately 30 dairies were subsequently required to submit workplans for remediating ponds because they did not have separation. An additional 30 directives were issued to dairies that had indicated they had adequate separation, but the determination was based on regional data. These directives required installation of piezometers to monitor depth to groundwater. The requirement to implement both the pond remediation and piezometer directives remains on hold 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 wastewater or discharge) ponds. Major items completed by Staff are identified below.

- Individual Staff letters were issued to operators stating their workplans were approved if they submit written commitments to conduct additional work- including sampling of pond berms and sidewalls. Operators were also asked to provide additional information about operations and ponds.
  - A closure workplan review for a facility in the Edison Oil Field.
  - An assessment workplan review for a facility in the Midway-Sunset Oil Field.
- Staff sent a letter to a discharger approving a closure plan for a pond on the Lockwood Lease in the Midway Sunset Oil Field.
- Staff sent a letter to a discharger approving sampling plans for a pond on the Guisti Lease in the Fruitvale Oil Field.
- Staff sent a letter to a discharger requesting sampling and closure plans for former ponds and a 3,000-foot-long conveyance ditch.
- Staff sent a letter to a discharger requesting sampling and closure plans for a pond on the Sheehan Lease in the Midway Sunset Oil Field.
- Staff issued a No Further Action letter to a discharger that operates a facility in the McKittrick Oil Field, which is regulated under General Order Three. The discharger had discharged produced wastewater outside of a permitted pond during an emergency. On 19 October 2022 Staff sent the discharger a Notice of Violation letter regarding the unpermitted discharge. The discharger has removed impacted soils and corrected the issue that caused the emergency.
- Notices of Violation (NOVs) were issued for the following:
  - A facility in the Poso Creek Oil Field that includes a pond that stores produced wastewater which is eventually blended and used for irrigation. During an inspection, oil was observed on the surface of the pond. In addition, a file review found that boron concentrations exceed the effluent limits (annual average) established in the facility's waste discharge requirements.
  - A facility in the Mount Poso Oil Field that discharges produced wastewater to several ponds and Little Creek. The discharger was issued an NOV due to not responding to an order pursuant to Water Code section 13260. A Staff file review of the facility found that the discharger had not submitted monitoring reports for several quarters.

- Staff responded to one Public Records Act request, requesting information regarding a facility that had a closed pond.
- Staff continue to review applications and monitoring reports for drilling mud sumps regulated under the Statewide General Waste Discharge Requirements for Discharges to Land with a Low Threat to Water Quality (General Low Threat WDRs).

## **SPILL RESPONSE**

Staff respond to oil field spills and upsets reported to the Governor’s Office of Emergency Services (OES). Staff were notified of 8 new Oil Field related spill events from 24 March 2023 to 18 May 2023. Major events are summarized below.

On 7 April 2023, staff received OES Spill Report #23-2480. The report indicated that a leak from a pipe operated by Sentinel Peak Resources (SPR) in the Midway-Sunset Oil Field resulted in a spill of crude oil and produced wastewater into a “blue line ditch” (or “unknown waterway”) and traveled about 100 yards. An update to the spill report made on the same day reported the final volume of the spill as being 45 barrels of oil (up from 10) and 5 barrels of produced wastewater. On 7 April 2023, staff contacted Sentinel Peak Resources staff and requested pictures and coordinates of the spill, which Sentinel Peak Resources staff provided in an email on 10 April 2023. Sentinel Peak Resources cleaned up the soil affected by the spill using hand tools and by removing affected vegetation. On 21 April 2023, following completion of the cleanup work, staff inspected the site. A letter and inspection report dated 2 May 2023 was conveyed to SPR indicating that no further action was needed.

On 27 April 2023, staff received OES Spill Report #23-2867. The report indicated that on 24 March 2023 (a month prior to filing the report with OES) an oil company, identified as Sequoia Exploration, was in the process of “...removing well equipment,” and an unknown amount of crude oil was sprayed on an adjoining private property. The reporting party was a private citizen. The report indicated that crude oil was sprayed on private property, organic vegetation, and animals. Staff attempted to contact Sequoia Exploration but were unsuccessful. Staff emailed Kern County Environmental Health Services (EHS) staff to ask for additional information on the case. Kern County EHS staff has yet to respond.

On 4 May 2023, staff received OES Spill Report #23-2984. The report indicated that at a tank farm on a Crimson Resources Management (CRM) Facility, 2 barrels of crude oil and 1 barrel of produced wastewater was spilled due to a relief valve that became loose for an unknown reason. Staff determined that the release occurred on the CRM, Kern County Land Lease 31 facility in the Rosedale Ranch Oil Field, which has two inactive (dry) ponds. Staff contacted CRM staff by phone and email and received pictures from CRM of the spill via email. CRM staff indicated that the actual volumes of the spill were 1 barrel of crude oil and 2 barrels of produced wastewater. Pictures provided by CRM corroborate their assertion that the fluids spilled into the field south of the facility, and

not in the inactive ponds that are to the north and east of the facility. No surface water bodies were impacted. Cleanup is on-going.

On 11 May 2023, staff received OES Spill Report #23-3119. The report indicated that at a California Resources Production Corporation (CRC) facility in the Elk Hills Oil Field a jack pump experienced a mechanical failure resulting in a spill of 10 barrels of crude oil and 371 barrels of produced wastewater. The report indicated that the crude oil and produced wastewater was contained within primary and secondary containment berms and that no water, waterways, or roadways had been impacted. Staff contacted CRC staff by phone and email. In response CRC provided Staff with pictures of the spill and an aerial image showing the spill location. Staff also contacted staff at the Department of Fish and Wildlife who were on site to evaluate the spill and they confirmed that no waterways were impacted. Cleanup is underway and, once completed, Staff will conduct a post cleanup inspection.

On 16 May 2023, staff received OES Spill Report #23-3320. The report indicated that a private citizen observed an unknown quantity of “unknown oil” along the banks of the Kern River in the Hart Memorial Park in Bakersfield. Staff contacted the reporting party and received pictures of what was reported as oil via email. The substance observed in the pictures appeared to be a natural byproduct of rotting vegetation. Staff contacted staff at the Department of Fish and Wildlife who made a site visit. It was also the opinion of the Department of Fish and Wildlife staff that the substance observed was natural and not the result of an oil spill. There are no known oil fields or oil field activities in the immediate area. Currently no further action is planned.

On 18 May 2023, staff received OES Spill Report #23-3259. The Report indicated that an unknown volume of produced wastewater was spilled at a Chevron facility in the Midway-Sunset Oil Field. The report indicated that Chevron stopped and contained the spill, and that no waterways were impacted. Staff contacted Chevron staff by phone and email. An update from Chevron with more information regarding the spill is pending.

## **UIC PROGRAM**

During the period from 27 March 2023 to 19 May 2023, Staff of the Underground Injection Control Unit (UIC) performed the following activities:

### **AQUIFER EXEMPTIONS**

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

Kern River Kern River Formation Aquifer Exemption – Staff and State Water Board staff met with CalGEM to discuss the conduit analysis. The conduit analysis has been

completed. Staff met with the State Water Board and CalGEM to discuss expectations and requirements for remediation and monitoring of potential conduits. Staff continues to provide State Water Board staff and CalGEM feedback on a draft Remediation and Monitoring Plan guidance document for operators.

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

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

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

## **UIC PROJECT REVIEWS**

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

Staff sent two letters and memorandums requesting information for UIC projects in the Coalinga and Mountain View Oil Fields.

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

Staff received project information relating to five cyclic steam and steamflood injection projects in the Cymric, South Belridge, Midway-Sunset, and McKittrick Oil Fields. 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 reviewed one groundwater monitoring report from an operator in the Lost hills Oil Field. Staff conveyed draft comments to staff at the State Water Board.

## FOREST ACTIVITIES PROGRAM

### PROJECTS

#### DEVELOPMENT OF A FEDERAL NPS PERMIT FOR USFS AND BLM ACTIVITIES

The draft Federal NPS Order is undergoing additional refinements and associated modifications CEQA. Staff anticipates releasing the draft Order for public comment in 2023.

### INSPECTIONS

Forest Activities Program staff have conducted 180 inspections of the 270 projected for the fiscal year (FY). The unusual accumulation and extent of wet weather and snow across the forested lands in the region have impacted forest land management activities and access to those areas to conduct inspections.

## CANNABIS PROGRAM

#### CANNABIS GENERAL ORDER ENROLLMENT AND DEVELOPMENTS

Staff continue to enroll dischargers into our General Order. Division of Water Quality (DWQ) has taken over responsibilities for issuing Notices of Applicability (NOAs). Fees were increased for the first time and dischargers just received invoices reflecting those increases. Staff are responding to questions from dischargers, some of whom received significantly higher discharges than in previous years.

##### **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		27	2		66	4	4	103
Colusa		1			2		5	8
Contra Costa					1		5	6
El Dorado		5			2			7
Kern							4	4
Kings					2		2	4
Lake		132	2	7	252	3	57	453
Fresno					6		9	15

<b>County</b>	<b>Tier 1H</b>	<b>Tier 1L</b>	<b>Tier 1M</b>	<b>Tier 2H</b>	<b>Tier 2L</b>	<b>Tier 2M</b>	<b>CE</b>	<b>Total Active Enrollments</b>
Merced							10	10
Nevada	2	286	5		37		23	353
Sacramento							165	165
San Joaquin							6	6
Sierra		1						1
Solano							5	5
Shasta							24	24
Siskiyou							6	6
Stanislaus		6			1		39	46
Tulare							9	9
Yolo		15			43		3	61
Yuba							2	2
<b>Totals</b>	<b>2</b>	<b>473</b>	<b>9</b>	<b>7</b>	<b>412</b>	<b>7</b>	<b>378</b>	<b>1288</b>

## **COMPLIANCE AND ENFORCEMENT – ENROLLMENT ENFORCEMENT**

- 12 May 2023, Redding staff issued 14 13260 Orders for the Dry Creek Watershed.
- As of 11 May 2023, Rancho staff drafted 24 13260 Orders in Tuolumne and Stanislaus Counties. They are awaiting final signature.

### **COMPLIANCE**

- On 23 March 2023, Redding staff performed one compliance inspection in Lake County.
- On 12 April 2023, Rancho staff performed two termination inspections.
- On 21 April 2023, Rancho staff performed three compliance inspections in Calaveras County.

### **ENFORCEMENT**

- On 11 April 2023, staff performed three warrant inspections, Shasta County.
- On 12 April 2023, staff performed two warrant inspections, Shasta County.
- On 9 May 2023, staff performed one warrant inspection, Shasta County.
- On 11-12 May 2023, Rancho and Enforcement staff participated in 22 warrant inspections in Kern and Tulare Counties.



## **INSPECTION REPORTS (IR) ISSUED:**

Redding office:

- Ayala site, IR issued April 12, 2023
- Jenkin site, IR issued April 14, 2023
- Recker site, IR issued April 21, 2023
- Chienglui Young site, IR issued April 26, 2023
- Copeland Follow-up inspection, IR issued April 26, 2023
- Valentine and Vilma Chavez site, IR issued May 01, 2023
- Rochette site, IR issued May 11, 2023
- Pineda site, IR issued May 11, 2023
- Kehrer site, IR issued May 11, 2023
- Bartsch site, IR issue May 12,2023
- Edgar Barajas Herrera site, IR issued May 12, 2023

## **ENFORCEMENT REPORT**

Enforcement is a critical ingredient in creating deterrence needed to encourage the regulated community to anticipate, identify, and correct violations. Appropriate penalties and other consequences for violations offer some assurance of equity between those who choose to comply with requirements and those who violate them. It also improves public confidence when the government is ready, willing, and able to back up its requirements with action. This section of the EO Report is intended to inform the Board and the public on enforcement efforts since the last EO Report was issued. For this reporting period, the following sections provide: 1) a summary of enforcement orders issued; and 2) a summary of all enforcement actions issued.

## **ORDERS, COMPLAINTS, AND INSPECTIONS**

Enforcement Table 1, included below, provides a summary of all the Enforcement Orders (Cleanup and Abatement Orders; Cease and Desist Orders (CDOs); 13267 Investigative Orders; Expedited Payment Letters (EPLs); and Administrative Civil Liability (ACL) Orders and Complaints) 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 this reporting period, 1 March 2023 through 30 April 2023, four formal enforcements were issued.

**Enforcement Table 1 – Central Valley Enforcement Orders  
1 March 2023 through 30 April 2023**

<b>Action Date</b>	<b>Agency</b>	<b>County</b>	<b>Notes</b>
3/23/2023	PG&E Dixie Fire SB901	Plumas	Cleanup and Abatement Order CAO R5-2023-0506 for PG&E Dixie Fire SB901 was issued on 23 March 2023 requiring the Discharger to clean up wastes generated from ground disturbing activities caused by overhead electric utility infrastructure repair and related construction activities within the 2021 Dixie Fire burn area.
4/26/2023	Colfax Maidu Village Phase 1	Placer	Administrative Civil Liability Order R5-2023-0503 was issued on 24 April 2023 for violations of the Construction General Storm Water Permit. Failure to implement sediment and erosion control Best Management Practices led to turbid discharges from the site into a local creek during the winter of 2021/2022.
4/26/2023	Parcel 85A Folsom Ranch Medical Center	Sacramento	Administrative Civil Liability Order R5-2023-0504 as issued on 24 April 2023 for violations of the Construction General Storm Water Permit. Failure to implement erosion control Best Management Practices resulted in turbid discharges to Alder Creek between October 2021 and January 2022.
4/27/2023	Arvin WWTF	Kern	Cease and Desist Order R5-2023-0006 for Arvin City issued on 27 April 2023 for improper wastewater storage facilities and effluent discharge practices. CDO contains a connection restriction for commercial and up to 10 residential connections, which can be approved by the Executive Officer pursuant to 30 day public notice. The CDO also requires Discharger to comply with WDRs and update the Permit.

**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 March 2023 through 30 April 2023**

Region	13267	NNC	ACL	CAO	CDO	EPL	NOV	SEL	UNK	VER	Total
5F	0	0	0	0	1	0	3	0	0	0	4
5R	0	0	0	1	0	0	3	0	0	2	6
5S	0	0	2	0	0	0	19	2	0	8	31
<b>Total</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>25</b>	<b>2</b>	<b>0</b>	<b>10</b>	<b>41</b>

**Enforcement Table 3 – Enforcement Actions in GeoTracker  
1 March 2023 through 30 April 2023**

Region	13267	CAO	Letter – Notice	NOV	Staff Letter	VER	Total
5F	0	0	0	6	49	2	57
5R	0	0	0	0	9	1	10
5S	3	1	6	4	109	2	125
<b>Total</b>	<b>3</b>	<b>1</b>	<b>6</b>	<b>10</b>	<b>167</b>	<b>5</b>	<b>192</b>

**Enforcement Tables 4 and 5 – ILRP Enforcement Actions  
1 March 2023 through 30 April 2023**

The Board's Irrigated Lands Regulatory Program (ILRP) does not upload enforcement actions into either the CIWQS or GeoTracker databases. For the period between 1 March 2023 through 30 April 2023, a summary of those enforcement actions is included in Tables 4 and 5, below.

**Enforcement Table 4 – ILRP Enforcement Actions**

Region	Reminder Letter for Failure to Submit Annual Member Report (Irrigation and Nitrogen Management Plan Summary Report)	NOVs for Failure to Submit Annual Member Report (Irrigation and Nitrogen Management Plan Summary Report)	Total
5F	0	0	0
5S	151	0	151
5R	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
<b>Total</b>	<b>151</b>	<b>0</b>	<b>151</b>

**Enforcement Table 5 – Region 5 ILRP Enforcement Actions cont.**

Region	Reminder Letter for Failure to Enroll in ILRP	Water Code Section 13260 Letters/ Directives for Failure to Enroll in ILRP	NOVs for Failure to Respond to Directive	Total
<b>5F</b>	0	0	0	0
<b>5S</b>	112	140	11	263
<b>5R</b>	0	0	0	0
<b>Total</b>	<b>112</b>	<b>140</b>	<b>11</b>	<b>263</b>

## **NITRATE CONTROL PROGRAM ENFORCEMENT INITIATIVE**

Since May 2022, compliance and enforcement staff have reduced the number of non-responsive nitrate control program waste discharge to land dischargers from 52 to 9. Although enforcement staff were diverted to storm-related inspections and spill response during and following recent major storm events, enforcement staff met with the Office of Enforcement to discuss the next steps for non-responsive dischargers. This effort is expected to lead to the next steps in enforcement which may include face to face meetings, inspections, pre-settlement letters, to name a few options.

## **CONFINED ANIMAL ENFORCEMENT**

**Enforcement Table 6 – CAF Inspections  
1 March 2023 through 30 April 2023**

<b>Confined Animal Facility Inspections</b>	
<b>5S Sacramento</b>	7
<b>5R Redding</b>	0
<b>5F Fresno</b>	4
<b>Total</b>	<b>11</b>

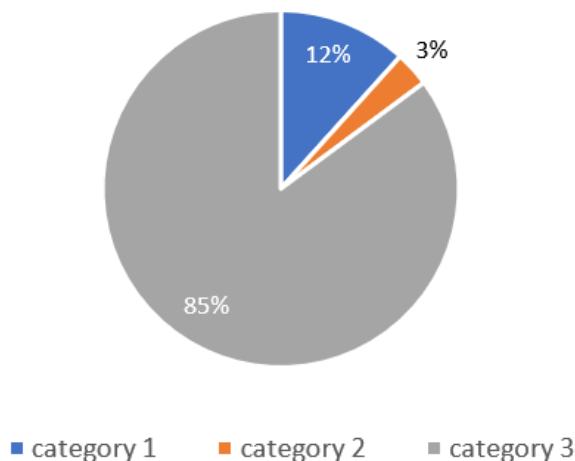
## SIGNIFICANT ENFORCEMENT ACTIONS

### SANITARY SEWER OVERFLOWS (SSOS)

Statewide General Waste Discharge Requirements for Sanitary Sewer Systems (SSS General Order) 2006-003-DWQ requires enrollees to submit an SSO technical report for any Category 1 SSO in which 50,000 gallons or greater are spilled to surface waters. For the period between 1 March 2023 through 30 April 2023, there were 2 reported SSO incidents in which 50,000 gallons or greater spilled reached surface water.

### SSO SUMMARY DATA

#### Total Sanitary Sewer Overflow



#### Enforcement Figure 1: Central Valley Sanitary Sewer Overflow Summary 1 March 2023 through 30 April 2023

For the reporting period between 1 March 2023 through 30 April 2023, there were 222 total SSO spills: 26 Category 1, 7 Category 2, and 189 Category 3 spills.

### ADDITIONAL INFORMATION ON SSOS

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

([https://www.waterboards.ca.gov/water\\_issues/programs/sso/index.html](https://www.waterboards.ca.gov/water_issues/programs/sso/index.html)).

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

## COMPLAINT RESPONSE TRACKING

Central Valley Regional Board staff are responsible for responding to complaints related to water quality within the Central Valley Region as they are received. From 1 March 2023 through 30 April 2023, Central Valley Water Board staff have received a total of **44 complaints** from phone calls, emails, and from the CalEPA Complaint database. To date, 40 (90%) complaints have been investigated and closed or referred to other environmental enforcement agency. Investigations into four complaints remain ongoing.

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

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

## RESPONSE TO INDIVIDUAL HOMEOWNER DRINKING WATER COMPLAINT, WHITMORE, SHASTA COUNTY

On 14 March 2023, Shasta County Environmental Health Division referred to a homeowner's complaint regarding petroleum odors from their household tap water which is supplied by an on-site private well. The homeowner sampled the kitchen sink faucet for analysis of petroleum components and additives. Results showed benzene present above the CA Primary MCL and total xylenes present above the taste and odor threshold. Central Valley Water Board staff consulted with OEHHA who said the benzene, ethylbenzene, and naphthalene levels exceeded inhalation screening levels indicating an elevated cancer risk. On 15 May 2023, staff performed a site visit, met with the homeowner, and collected water samples from the homeowner's well and the well serving the nearby Whitmore Community Center. The homeowner's property is adjacent to the Whitmore General Store, a former LUST Case#450286 closed in 1999; the store's fire suppression well was inoperable at the time of site visit and could not be sampled. Analytical results are pending. Communication with the homeowner and Shasta County is ongoing.

## ADMINISTRATIVE CIVIL LIABILITY ACCOUNTING

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

### COMPLIANCE PROJECT (CP)

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

## SUPPLEMENTAL ENVIRONMENTAL PROJECT (SEP)

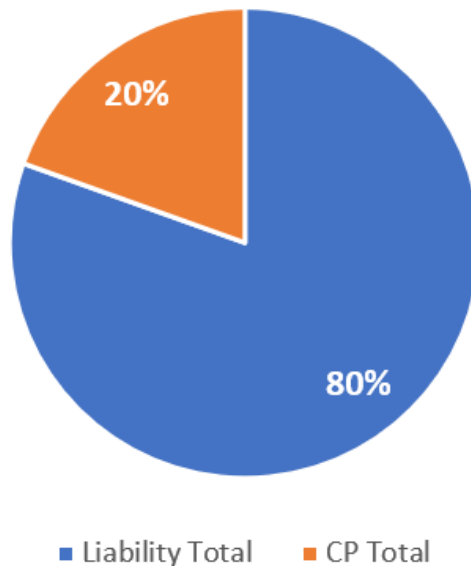
A settling party may offset a portion of the monetary liability of an ACL penalty by voluntarily choosing to fund SEP that enhance the beneficial uses of the waters of the State, provide a benefit to the public at large, and that, at the time they are included in an ACL action, are not otherwise required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

## ENHANCED COMPLIANCE ACTION (ECA)

ECAs are projects that enable a discharger to make capital or operational improvements beyond those required by law and are separate from projects designed to merely bring a discharger into compliance. The Water Boards may approve a settlement with a discharger that includes suspension of a portion of the monetary liability of an ACL for completion of an ECA.

For the fiscal year period between 1 July 2022 to 30 April 2023, the chart below summarizes total monetary penalties that were issued by the Central Valley Water Board. A total of \$939,522 in monetary penalties (Liability payable to CAA, CP and SEP) were issued during this period, of which \$228,00 was allocated for CPs (see Enforcement Figure 2 below).

**Monetary Penalties 1 July 2022 to 30 April 2023**



**Enforcement Figure 2: Region 5 – Sum of Total Monetary Penalties Issued during the fiscal year 1 July 2022 through 30 April 2023**

## CLEANUP SUCCESSES

**Enforcement Table 7 – Region 5 Cleanup Action Summary  
1 March 2023 through 30 April 2023**

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	18	95%	NA	NA
Cleanup Program Sites Closed	27	75%	NA	NA
New UST Sites into Active Remediation	12	75%	NA	NA
Underground Storage Tank Sites Closed	35	78%	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

### **PACIFIC CAR WASH, 4405 PACIFIC AVENUE, STOCKTON, SAN JOAQUIN COUNTY**

A release of petroleum fuel occurred at the Site. Dual-phase extraction remediation removed approximately **13,500 pounds** of hydrocarbons and over 1.7 million gallons of impacted groundwater from beneath the Site. The remaining petroleum constituents are unlikely to pose a threat to human health or further impact waters of the state as they attenuate, and consequently do not justify the cost of any additional active remediation or monitoring. Central Valley Water Board staff concurred with AGI's recommendation for case closure. Staff closed the case on 1 May 2023. (AMB)

### **TERRIBLE HERBST SS #71, 13309 MONO WAY, SONORA, TUOLUMNE COUNTY**

A release of petroleum fuel occurred beneath the Site during operation of the former service station. The former UST system was removed, and soil excavation has removed an estimated **1,100 pounds** of petroleum hydrocarbons from the subsurface. While petroleum hydrocarbons remain beneath the Site, groundwater sampling data show that the impact to groundwater is defined, stable and is expected to attenuate below established water quality objectives within a reasonable timeframe. There are three domestic wells and two surface water bodies located within the vicinity of the Site; however, sample data from these receptors indicate that they are not threatened by the attenuating residual petroleum hydrocarbons. Therefore, 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 the consultant's recommendation for case closure. Staff closed the case on 1 May 2023. (BJL)

## FRESNO

### **FORMER BECKER OIL TERMINAL, 1330 PACHECO PASS BOULEVARD, LOS BANOS, MERCED COUNTY**

The Site is a triangular-shaped parcel between State Highway 152 (Pacheco Boulevard) and State Highway 165 (Mercy Springs Road) in the City of Los Banos. A bulk fuel terminal and later a cardlock fuel facility were formerly onsite. The site is currently a drive-thru fast-food facility.

Petroleum-impacted soil was encountered when seven ASTs, two dispenser islands and product piping were removed during 1993. Approximately **1,850 cubic yards** of impacted soil containing an **undocumented hydrocarbon mass** was subsequently excavated to a depth of 30 feet below ground surface (bgs) and transported offsite for treatment.

During 1994, site assessment began to determine lateral and vertical extent of affected soil and an initial groundwater monitoring network was installed. Floating petroleum product was present in one monitoring well, and an **undocumented volume** of product

was recovered. During 1996, Cleanup and Abatement Order No. 96-256 (CAO) and associated Monitoring and Reporting Program required a Corrective Action Plan determination of the extent of groundwater contamination. Staff determined that the 1993 soil removal was compliant with the CAO.

Three USTs, dispensers and piping were installed in 1997 for a cardlock system and were removed during 2009; petroleum contamination was not encountered.

Additional soil investigation and well installations were conducted from 2000 to 2002. A soil vapor extraction and air sparge system removed **29,508 pounds** of hydrocarbons between 2003 and 2019. Groundwater monitoring ended during October 2019 after TPH, benzene and MTBE concentrations were reduced. Soil gas sampling during December 2019 confirmed that commercial industrial screening levels were not exceeded. A Soil and Groundwater Management Plan for future site development activities was submitted during November 2021. Groundwater monitoring and remediation wells were destroyed in accordance with California Well Standards and local regulations during February 2023.

The case was evaluated for closure using Low-Threat Closure Policy criteria. Residual remaining petroleum hydrocarbons should not present a threat to human health, the environment, or beneficial uses of groundwater and are expected to naturally degrade. Central Valley Water Board staff closed the case on 19 April 2023. (BDH)

## **SITE CLEANUP PROGRAM SUCCESSES**

### **SACRAMENTO**

#### **PEABODY ROAD APARTMENTS SITE, 148 PEABODY ROAD, VACAVILLE, SOLANO COUNTY**

In April 2020, volatile organic compounds including benzene, naphthalene, and tetrachlorethylene were found at concentrations exceeding residential environmental screen levels in soil vapor samples collected at 148 Peabody Road in Vacaville. An automotive services garage with two previously removed underground storage tanks (550-gallon waste oil, 1,500-gallon gasoline) had operated at this location. Groundwater samples collected from beneath the site did not find contaminants at concentrations exceeding drinking water standards.

In November and December 2022, the entire site was graded in preparation for housing development. Soil vapor analytical results demonstrated that following grading activities, including removal of the former building slab, contaminant concentrations had reduced to below applicable screening levels and no longer posed risks to potential future residential occupants. A No Further Action Determination letter was issued on 9 May 2023.

## **SIERRA PACIFIC INDUSTRIES MARTELL FACILITY FORMER FUNGICIDE DIP TANK, MARTELL, AMADOR COUNTY**

Site cleanup program staff have been working with Sierra Pacific Industries since the late 1980s to investigate and remediate contamination resulting from operations at a former wood treatment facility at the Sierra Pacific Industries Martell Facility in Martell, Amador County. American Forest Products operated the dip tank from 1969 to 1984 to treat wood with fungicides including PQ-10, Permatox 100, and copper-8-quinolate. Drying racks where wood was stored following treatment discharged to an unlined ditch, resulting in impacts to soil and groundwater primarily from dioxins and chlorinated phenols. Excavations were conducted in 1987 and 1999, removing the bulk of contaminated soil from the site. Groundwater monitoring continued from the 1990s through 2022 to confirm concentrations of dioxins, pentachlorophenol, and tetra chlorophenol would meet water quality objectives within a reasonable amount of time. An evaluation of available monitoring data conducted in 2022 determined that water quality objectives would be met within a reasonable amount of time, and a No Further Action letter was issued on 9 May 2023.

## **SUTTER COUNTY AIRPORT PONDS, 180 2ND STREET, YUBA CITY, SUTTER COUNTY**

Between about 1970 and 1980, Onstott Dusters, who operated an aerial pesticide applicator business out of a terminal at the Sutter County Airport, discharged pesticide-laden rinsate from equipment and plane washing at the site, some of which percolated into an unlined drainage ditch. Beginning in 1981, Onstott Dusters contained and transported the rinsate to two plastic-lined evaporation ponds on Sutter County property. Under a separate Site Cleanup case, Onstott Dusters excavated the drainage ditch and received a No Further Action Determination in 2019.

Sutter County was deemed responsible for the evaporation of ponds under the Toxic Pits Cleanup Act (TPCA) and was issued Cleanup and Abatement Order 89-704 in 1989 for cleanup of the ponds. Sutter County excavated the plastic liners and shallow soils from the ponds and stored them in a biotreatment cell. In 1992, Sutter County conducted soil and groundwater sampling to screen for organochlorine compounds (OCPs), organophosphate pesticides (OPPs), and chlorinated herbicides which indicated contaminants were present near or below residential screening levels. Subsequent investigations in 2018 and 2020, and by the request of Central Valley Water Board staff to fill in data gaps, found that OPPs and OCPs did not exceed residential screening levels in soil or groundwater. After a 30-day public comment period and on 17 April 2023, Central Valley Water Board staff observed the destruction of two remaining monitoring wells. Sutter County submitted a Monitoring Well Destruction Report, and after a staff review, a No Further Action Determination was issued on 11 May 2023.

## FRESNO

### FORMER CROWN CLEANER II, 225 WILLOW AVENUE, CLOVIS, FRESNO COUNTY

Based on 2018-2022 site assessment, soil was impacted with tetrachloroethylene (PCE) from historic dry cleaning operations. In 2020, a soil vapor extraction system (SVE) was installed and, by April 2022, PCE concentrations had been reduced 99% since cleanup began. A grab groundwater sample beneath the site did not detect PCE. The Site is approximately 500 feet from City of Clovis Supply Well 36A. No PCE has been reported in samples from the supply well through the last PCE sample date of July 2019. Staff concurred with the consultant's conclusion that minor residual PCE in soil does not exceed regulatory thresholds or pose a significant threat to human health or the environment. No comments were received from the public notice process and a case closure letter was issued on 18 May 2023.

### 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 26 March 2023 and 26 May 2023.

**Emergency Response Activities Table 1  
Spill Reports Received by the Central Valley Water Board's Redding Office  
Between 26 March 2023 and 26 May 2023**

<b>Total Spill Reports Received</b>	<b>Total Spill Reports that Required No Action</b>	<b>Total Spill Reports that Required Follow up</b>	<b>Total Spill Reports that Required Further Actions</b>
169	100	69	0

## SPECIAL FOCUS AREAS

### DELTA ACTIVITIES

#### DELTA REGIONAL MONITORING PROGRAM (DELTA RMP)

Board staff continued to attend Steering Committee, Technical Advisory Committee and other Delta RMP meetings to provide support for the program and implementation and for Board Resolution R5-2021-0054. Board staff reviewed the FY23/24 Monitoring Workplan and Quality Assurance Project Plan submitted to the Central Valley Water Board on 01 May 2023. Delta RMP monitoring activities include contaminants of emerging concern, pesticides, toxicity, mercury, nutrients and harmful algal blooms.

Board staff continued participation in meetings to develop a long-term plan for nutrient and harmful algal bloom monitoring and special studies.

## DELTA NUTRIENT RESEARCH PLAN

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

- Board staff participated in a working group convened by the Delta Science Program. Board staff continued review and reporting of data for cyanobacteria toxins in clams and water collected for two years at ten locations in the Delta.
- Board staff completed data analysis for a collaborative project in Stockton with partners including the Port of Stockton, the City of Stockton, Restore the Delta, Department of Water Resources, and Robertson-Bryan Inc. The project monitored nutrients, cyanotoxins, dissolved oxygen, and temperature at the Stockton waterfront and Stockton deep water ship channel.

## 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/](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 24 May 2023, Priority 1 Management Zones have collectively reported the following metrics:

**Table 1. Priority 1 Management Zone (MZ) Program EAP Implementation Totals (as of 24 May 2023)**

<b>EAP Metric</b>	<b>Total (all MZs)</b>	<b>Turlock/ Modesto</b>	<b>Kings</b>	<b>Kaweah</b>	<b>Tule</b>	<b>Chow-chilla</b>
Initial Estimate of Impacted Wells	~13,000	>5,000	>5,000	<1,000	<1,000	<1,000
Inquiries/Interest/calls	9,736	1,989	1,984	3,206	2,458	99
Testing Applications Submitted	3,515	1,010	1,812	310	327	56
Referred to Other Programs	840	190	418	81	143	8

<b>EAP Metric</b>	<b>Total (all MZs)</b>	<b>Turlock/ Modesto</b>	<b>Kings</b>	<b>Kaweah</b>	<b>Tule</b>	<b>Chow- chilla</b>
Eligible Applications	2,543	820	1,262	229	184	48
Not Yet Responded	674	114	499	21	32	8
Wells Tested/ Scheduled/Known	1,635	581	666	220	132	36
Above 10 mg/L	986	412	326	182	54	12
Average Percent over 10 mg/L	60%	71%	49%	83%	41%	33%
Households receiving bottled water	1,071	413	396	181	63	18
Fill Station (FS) Locations	8	0	3	2	3	0
FS Average Gallons per Day	822	0	285	190	347	0
Total Households/ equivalents	1,482	413	539	276	237	18

## **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](#) found here:

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

SWAMP is also coordinating 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, it was agreed to break the study into multiple 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. 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](#) can be found here:

([https://www.waterboards.ca.gov/centralvalley/water\\_issues/swamp/report\\_summary\\_sheet/lar\\_ph1\\_ds.pdf](https://www.waterboards.ca.gov/centralvalley/water_issues/swamp/report_summary_sheet/lar_ph1_ds.pdf)).

Phase 2 of the study began in July 2021 and focused on dry weather sources in the river reach from Sutter's Landing Regional Park to the confluence with the Sacramento River. Monitoring included 12 sites on the American River and 1 stormwater sump. Phase 2 monitoring was completed in September 2022 and results are expected to be available in early 2023.

## **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. The 2022 monitoring studies included popular recreational spots in the Lower Kings River, Lower Kaweah River, and Upper San Joaquin River. Staff are developing plans for the Summer 2023 assessments. Staff will also conduct a microbial source tracking study next year in the Squirrel and Wolf Creek watersheds in Nevada County.

[Online maps](#) are available at:

([https://www.waterboards.ca.gov/centralvalley/water\\_issues/swamp/r5\\_activities/2021\\_r\\_bua/](https://www.waterboards.ca.gov/centralvalley/water_issues/swamp/r5_activities/2021_r_bua/))

## **CYANOBACTERIA AND HARMFUL ALGAL BLOOMS UPDATE**

Cyanobacteria and harmful algal blooms (HABs) are a common occurrence in surface waters across California. To address this issue, a Freshwater and Estuarine Harmful Algal Bloom (FHAB) Program was developed and implemented by the State Water Resources Control Board's Surface Water Ambient Monitoring Program. The Central Valley Water Board participates in this statewide FHAB Program by investigating and responding to reports of suspected HABs. In 2021, the FHAB program released the California Water Boards' Framework and Strategy for Freshwater Harmful Algal Bloom Monitoring (FHAB Monitoring Strategy). Board staff have begun implementing the FHAB Monitoring Strategy in the Central Valley through the development of partner monitoring efforts.

As part of the FHAB program, a [California Harmful Algal Blooms Portal](#) can be found 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>)

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

([https://ftp.sccwrp.org/pub/download/DOCUMENTS/TechnicalReports/1141\\_FHABStrategy\\_FullReport.pdf](https://ftp.sccwrp.org/pub/download/DOCUMENTS/TechnicalReports/1141_FHABStrategy_FullReport.pdf))

And the FHAB Monitoring Strategy [Executive Synthesis](#) and [Factsheet](#) can be found here:

([https://ftp.sccwrp.org/pub/download/DOCUMENTS/TechnicalReports/1141\\_FHABStrategy\\_Synthesis.pdf](https://ftp.sccwrp.org/pub/download/DOCUMENTS/TechnicalReports/1141_FHABStrategy_Synthesis.pdf))

([https://ftp.sccwrp.org/pub/download/DOCUMENTS/FactSheets/1141\\_FHABStrategy\\_FactSheet.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>)

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

([https://mywaterquality.ca.gov/habs/hab-related\\_illness.html](https://mywaterquality.ca.gov/habs/hab-related_illness.html))

## **CENTRAL VALLEY CYANOBACTERIA AND HARMFUL ALGAL BLOOMS**

Cyanobacteria and HABs typically occur from summer through late fall when temperatures are at their highest. However, blooms can occur in the winter and spring, especially if temperatures are mild and nutrients are introduced from rainfall runoff.

A summary of HABs reported as of 24 May 2023 is provided in Cyanobacteria Table 1 below.



**HABs Table 1. Bloom Summary of active advisories (as of 24 May 2023)**

<b>Category</b>	<b>Count</b>
Number of locations with active caution advisories <sup>1</sup>	4
Number of locations with active warning advisories <sup>1</sup>	0
Number of locations with active danger advisories <sup>1</sup>	0

Table Notes:

<sup>1</sup> The FHAB Program defines an active advisory as one with a confirmed observation within the last 30 days, in this case, all observations since 24 April 2023. Advisory levels are based on the FHAB Trigger levels for signage posting. This [guidance for planktonic blooms](#) is found here:

([https://mywaterquality.ca.gov/habs/resources/habs\\_response.html#posting\\_guidance](https://mywaterquality.ca.gov/habs/resources/habs_response.html#posting_guidance))

and for [benthic blooms](#) is found here:

([https://mywaterquality.ca.gov/habs/resources/benthic\\_posting\\_guidance.html](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](#) here:

([www.waterboards.ca.gov/water\\_issues/programs/nps/319grants.shtml](http://www.waterboards.ca.gov/water_issues/programs/nps/319grants.shtml))

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

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

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

## **SOUTH FORK BATTLE CREEK SEDIMENT REDUCTION AND WATER QUALITY ENHANCEMENT PROJECT (\$603,654)**

Tehama County Resource Conservation District (TCRCD) will implement erosion and sediment control measures for a 3.5-mile section of Ponderosa Way in Eastern Tehama County, north of State Route 36E. The project will minimize discharges of sediment to South Fork Battle Creek. (Closing 2/28/2023)

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

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

## **TIMBER REGULATION AND FOREST RESTORATION FUND ON-GOING GRANTS**

### **TITLE OF GRANT AND AMOUNT**

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

The purpose of this project is to address the discharge of sediment from Upper Bidwell Park roads and trails into Big Chico Creek Watershed through the implementation of a Sediment Source Assessment and Treatment Plan. The grant agreement was executed in early July 2020. Implementation of sediment reduction road treatments on Upper Bidwell Park Road began in August 2022 and was completed in October 2022. As part of the grant a Road Inventory and Sediment Reduction Action Plan was also prepared and submitted in March 2023. On 15 May 2023, the grantee submitted a Draft Final Project Report which summarizes grant tasks and deliverables. (Closing 6/30/2023)

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

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

2022, proposed site work has been completed. The grantee is currently preparing a Final Project Summary Report. (Closing 2/28/2024)

## OUTREACH

\*Denotes “Outreach to Disadvantaged Communities” or “Outreach to Tribes.”

\*\*Denotes “Outreach from UST/Site Cleanup Staff”

\*\*\*Denotes Both

\*On 3 January 2023, Dania Jimmerson gave a presentation to the Board of Directors of the Riverdale Public Utility District (RPUD). The objective was to share details about the Wastewater Consolidation Program and available funding and provide an overview of the Lanare Community Service District (LCSD) project background. The presentation proposed potential collaboration between the LCSD and RPUD for the project.

On 31 January 2023, Dania Jimmerson presented at a statewide training/meeting organized by the Division of Financial Assistance for Technical Assistance providers (i.e., non-profit organizations, environmental justice representatives, and private engineering consultants). The presentation focused on Wastewater Consolidation Program and regionalization and covered topics such as scoping, selecting and prioritizing water and wastewater projects, accessing available information, step process, motivating and incentivizing stakeholders, and providing example projects.

\*\*\*On 20 February 2023 (E&R Freeman, 3138 East Main Street, Stockton, San Joaquin County), staff issued a public notice of proposed case closure for a 60-day comment period, ending 21 April 2023. Staff mailed the notice to the owners and occupants of the Site property and the surrounding properties. Staff posted the notice on the Central Valley Water Board UST-Decisions Pending & Case Closures website. Staff did not receive comments from the public. (AMB)

\*\*On 27 February 2023 (Valley Truck and Tractor, 1549 Colusa Highway, Yuba City, Sutter County), staff issued a public notice of proposed case closure for 60-day comment period, ending 28 April 2023. Staff mailed the notice to the owners and occupants of the Site property and the surrounding properties. Staff posted the notice on the Central Valley Water Board UST-Decisions Pending & Case Closures website. Staff did not receive comments from the public. (MJD)

\*\*On 27 February 2023 (Shell Service Station, 1010 Olive Drive, Davis, Yolo County), staff issued a public notice of proposed case closure for 60-day comment period, ending 28 April 2023. Staff mailed the notice to the owners and occupants of the Site property and the surrounding properties. Staff posted the notice on the Central Valley Water Board UST-Decisions Pending & Case Closures website. Staff did not receive comments from the public. (MJD)

On 1 March 2023, Dania Jimmerson attended the Lahontan Regional Water Board meeting to address questions and provide clarification regarding a Senate Bill 1215 Update item presented by the Lahontan Regional Water Board staff.

On 9 March 2023, Dania Jimmerson participated in a Technical Assistance (TA) Approach meeting for the San Diego Regional Water Board. The meeting provided an overview of EPA's approach and the role of the Environmental Finance Centers for state agencies in EPA Region 9 (Arizona, California, Hawaii, Nevada). The meeting also served as a platform to discuss the overall coordination between EPA and the State programs.

\*\*\*On 15 March 2023 (USA Gasoline Corporation, 1915 Auto Center Drive, Antioch, Contra Costa County), staff issued a public notice of proposed case closure for 60-day comment period, ending 15 May 2023. Staff mailed the notice to the owners and occupants of the Site property and the surrounding properties. Staff posted the notice on the Central Valley Water Board UST-Decisions Pending & Case Closures website. Staff did not receive comments from the public. (VJF)

\*\*\*On 27 March 2023 (Dopaco Area Case 3, 800 Church Street, Stockton, San Joaquin County), staff issued a public notice of proposed case closure for 60-day comment period, ending 26 May 2023. Staff mailed the notice to the owners and occupants of the Site property and the surrounding properties. Staff posted the notice on the Central Valley Water Board UST-Decisions Pending & Case Closures website. Staff did not receive comments from the public. (AMB)

On 30 March 2023, Dania Jimmerson presented information about the Wastewater Consolidation Program and available funding to representatives from the Santa Ana Regional Water Board and San Bernardino County Department of Public Works, Special Districts Division. The focus was on a consolidation project located in the City of Rio Alto.

\*On 11-13 April 2023, Adriana Ross participated in the Tribal Water Summit. The conference takes place every five years and is coordinated by the Department of Water Resources and the Tribal Water Summit Planning Committee. The purpose of the event is to create a roadmap with strategies for preserving Native water rights and providing for the sustainable management of California's sacred waters.

On 13 April 2023, Central Valley Water Board Executives (Patrick Pulupa, Adam Laputz) and Staff (Hannah Dailey, Cindy Au-Yeung, and True Khang) attended a CV-SALTS Executive Committee Meeting regarding implementation of the Salt and Nitrate Control Programs. Topics included a status update on the Management Zones' general implementation and outreach progress, Central Valley Water Board enforcement activities, SAFER funding of co-contaminants in Management Zones, and updates on the progress of the Salt Control Program P&O Study.

\*\*On 18 April 2023 (Hanford 76 (former Grangeville Union), 102 West Grangeville Ave, Hanford, Kings County), staff began a public comment period on the proposed case closure, which will end on 19 June 2023. The notice was mailed to the parties in the vicinity of the Site, record owners of fee title, municipal water districts, agencies with authority to issue building permits, and other interested parties. The Public Notice has

been posted on the Central Valley Water Board website UST-Decisions Pending & Case Closures webpage and uploaded to GeoTracker (JDW).

On 13 April 2023, Central Valley Water Board Executive Adam Laputz and Central Valley Water Board Staff Hannah Dailey attended a CV-SALTS P&O Study Regulatory and Policy Issues Small Group Meeting. Topics included salinity target guiding principles and policy choices, antidegradation, and salinity target development approaches.

\*On 20 April 2023, Patrick Pulupa, Adam Laputz, Meredith Howard, Lauren Smitherman, Adriana Ross, Angela Llaban, and Janaé Bonnell hosted a Tribal Beneficial Uses Update meeting to provide tribes and their representatives an update on the project activities and to hear questions and topics of interest directly from tribes. The meeting was conducted as a hybrid meeting, both at the Central Valley Water Board Sacramento office and virtually.

On 20 April 2023, staff hosted the seventh Cannabis outreach event of FY 22/23. Staff presented in person to the Nevada County City Council on Enrollment Enforcement procedures.

\*On 20 April 2023, Dania Jimmerson participated in a meeting for the community of East Oroshi to address current wastewater issues. Attendees at the meeting included representatives from Tulare County, Community Water Center, East Oroshi, and State Board member Laurel Firestone.

\*On 21 April 2023, Adriana Ross participated with Lauren Smitherman, Meredith Howard, and others in a Tribal Consultation meeting. The purpose of the meeting was to discuss the Tribal Beneficial Use designation request submitted by the Buena Vista Rancheria of Me-Wuk Indians.

\*On 21 April 2023, Adam Laputz, Meredith Howard, Lauren Smitherman, Adriana Ross, Angela Llaban, and Janaé Bonnell met with Buena Vista Rancheria to discuss their Tribal Beneficial Use designation request.

\*\*\*On 27 April 2023, Geoff Rader, Walter Floyd, and Christopher Flower provided summaries of the Aerojet Cleanup Site, the McClellan Airforce Base, and Sacramento PCE to attendees of the quarterly Sacramento Groundwater Authority meeting.

On 27 April 2023, staff hosted the eighth Cannabis outreach event of FY 22/23. Staff presented on Preparation and Site Development.

On 28 April 2023, Jason Schroeder participated in the ninth Cannabis outreach event of FY 22/23 conducted in person with Shasta County District Attorneys about the Water Code, felony enhancements, and the Field Notice.

\*On 29 April 2023 and 3 May 2023, Adriana Ross participated in a Tribal Allyship workshop and training sessions. Hosted by Sacred Places Institute for Indigenous Peoples and Watershed Coalition of Ventura County Water Talks program. The sessions were for institutions and individuals wanting to support the inclusion of local Native Nations' perspectives in water resource planning and protection, water infrastructure planning, design, and implementation.

On 4 May 2023, George Low, an Engineering Geologist with the Central Valley Water Board's Redding office participated in a Local Emergency Planning Committee (LEPC), Region III meeting. LEPC Region III is comprised of Butte, Colusa, Glenn, Lassen, Modoc, Plumas, Shasta, Sierra, Siskiyou, Sutter, Tehama, Trinity, and Yuba counties. The purpose of the LEPC meetings is to provide a forum for emergency management agencies, responders, industry, and the public to work together to evaluate, understand, communicate, plan and provide training for emergency response incidents resulting from chemical hazards within the Region. One of the Central Valley Water Board's Redding staff serves as the Environmental Primary member of the committee. This month's meeting discussed Cal OES grant updates, upcoming California Specialized Training Institute (CSTI) and other regional trainings. This quarter's meeting also included a Presentation by Anna Burkholder with the California Department of Fish and Wildlife's Office of Spill Prevention and Response providing an overview of the Lower Sacramento River Geographic Response Plan. Participating agencies in attendance also provided brief agency reports on incidents/activities that are of interest to LEPC members.

\*\*On 5 May 2023 (Kactus Corner (former), 24611 East Kings Canyon Rd, Reedley, Fresno County), staff began a public comment period on the proposed case closure, which will end on 5 July 2023. The notice was mailed to the parties in the vicinity of the Site, record owners of fee title, municipal water districts, agencies with authority to issue building permits, and other interested parties. The Public Notice has been posted on the Central Valley Water Board website UST-Decisions Pending & Case Closures webpage and uploaded to GeoTracker (KPD).

On 16 May 2023, George Low, an Engineering Geologist with the Central Valley Water Board's Redding office, participated in a Greater Battle Creek Watershed Working Group (GBCWWG) Meeting. The GBCWWG is comprised of various stakeholders such as landowners, Federal and State agencies, regional resource conservation districts and other non-governmental organizations. The purpose of the GBCWWG is to aid in facilitating, identifying, reviewing, and coordinating restoration activities within the Battle Creek Watershed. The GBCWWG meets quarterly to discuss items of interest related to activities within the Battle Creek watershed. At this quarter's meeting presentations were given by the Northern California Water Association, the Resource Conservation District of Tehama County, and the Sierra Institute. Presentations provided overviews of projects each of the entities has been involved in and their current statuses.

On 16 May 2023, George Low, an Engineering Geologist with the Central Valley Water Board's Redding office, participated in a public meeting hosted by the Battle Creek Conservancy in town of Manton in Shasta County. The purpose of the meeting was to

inform residents that live within the Battle Creek Watershed of the conservancy's mission and provide information about watershed projects, and PG&E's plans to decommission their existing hydroelectric facilities through the Federal Energy Regulatory Commission (FERC) license surrendering process. Representatives from PG&E, Bureau of Reclamation, United States Fish and Wildlife Service, California Department of Fish and Wildlife, as well as the Resource Conservation District of Tehama County attended the meeting to present information about the watershed and to answer questions from the public.

\*On 16 May 2023, Adriana Ross participated in the monthly IVAN Fresno Task meeting. She reported on the Lanare Dilapidated Septic Tanks and provided Nayamin Martinez, Director of the Central California Environmental Justice Network (CCEJN) with the contact information of Dania Jimmerson and Scott Perrou who are involved with the Wastewater Consolidation Program.

\*On 16 May 2023, Adriana Ross virtually attended the EPA National Environmental Justice Community Engagement Call to discuss EPA environmental justice work and enhance opportunities to maintain an open dialogue with environmental justice advocates.

\*On 17 May 2023, Adriana Ross, together with Khalid Durrani, attended an onsite visit to two properties in Firebaugh, which is a disadvantaged community in Fresno County. Engaged with property owners concerning onsite tanks, the Clean Up program, and the Emergency, Abandoned and Recalcitrant program (EAR's).

On 18 May 2023, Central Valley Water Board Executives (Patrick Pulupa, Adam Laputz) and Staff (Angela Llaban, Hannah Dailey, Cindy Au-Yeung, True Khang, and Jennie Fuller) attended a CV-SALTS Executive Committee Meeting regarding implementation of the Salt and Nitrate Control Programs. Topics included a status update on the Management Zones' general implementation and outreach progress, Central Valley Water Board enforcement activities, Nitrate Control Program deadlines and deliverables, SAFER funding of co-contaminants in Management Zones, and updates on the progress of the Salt Control Program P&O Study.

On 18 May 2023, Central Valley Water Board Executive Adam Laputz and Central Valley Water Board Staff Hannah Dailey and Jennie Fuller attended a CV-SALTS P&O Study Regulatory and Policy Issues Small Group Meeting. Topics included salinity target guiding principles and policy choices, antidegradation, and salinity target development approaches.

\*\*\*On 18 May 2023 (Former Rancho Service, 19401 Laurel Avenue, Stratford, Kings County), staff began a public comment period on the proposed case closure that will end on 17 July 2023. The notice was mailed to the parties in the vicinity of the Site, record owners of fee title, municipal water districts, agencies with authority to issue building permits, and other interested parties. The Public Notice has been posted on the Central Valley Water Board website UST Decisions Pending & Case Closures webpage and uploaded to GeoTracker (JDW).

On 19 May 2023, Vice Chair Avdis and several ILRP staff attended the California Almond Board’s Environmental Stewardship Tour in Ballico.

\*On 23 May, Adam Laputz, Meredith Howard, Lauren Smitherman, Angela Llaban, and Janaé Bonnell met with the Pit River Tribe to discuss their Tribal Beneficial Use designation request.

\*On 23-24 May 2023, Adriana Ross virtually attended a CalTHPO-SHPO Summit “Protecting Tribal Knowledge”. The California THPO & SHPO Virtual Summit brings together California’s Tribal Historic Preservation Officers, Tribal leaders, Tribal citizens, and cultural preservation staff with the California State Historic Preservation Officer and Office of Historic Preservation to facilitate discussion and sharing with state and federal agencies and organizations.

\*On 24 May 2023, Sue McConnell, Eric Warren, and Robert Ditto met with Environmental Justice representatives to discuss the Groundwater Protection Target process and on-farm drinking water well monitoring.

\*On 25 May 2023, Adriana Ross, in coordination with Glenn Meeks, Rebecca Asami, Adam Lapuz, and Alex Olsen facilitated a CEQA scoping meeting. The meeting was for the McKittrick Oil Field Wastewater Disposal Facilities Area Groundwater De-designation Basin Plan Amendment project. The CEQA scoping meeting is the first step to be held before the project can be fully developed as a Basin Plan Amendment project. The primary focus was to solicit input on the project from the public.

## **PERSONNEL AND ADMINISTRATION**

### **STAFFING UPDATES – MARCH 1, 2023 – APRIL 30, 2023**

#### **PROMOTIONS**

Akira Sugita-Vasquez – Environmental Scientist

Joey Sisk – Senior WRCE (Sup)

March Clardy – Senior Engineering Geologist (Sup)

Jeremy Hughes – Senior Engineering Geologist (Sup)

#### **NEW HIRES**

Isabel Ortega – Scientific Aid

Aileen Beltran – Office Technician

Mario Jaramillo – Water Resource Control Engineer

Ian Bethel – Engineering Geologist

Reslon Deo – Scientific Aid



## RETIREMENT

Katherine Burger – Senior Engineering Geologist (Spec)

## SEPARATIONS

Sydney Chatelle – Water Resource Control Engineer

Mathew Boone – Senior Environmental Scientist (Sup)

## SUMMARY OF POSITIONS

Total Authorized Positions: 280.7

Total Temporary Positions: 21.0

Total Vacant Positions: 22.0

### Sacramento

Authorized Positions: 152.0

Temporary Positions: 10.0

Vacant Positions: 10.0

### Fresno

Authorized Positions: 79.0

Temporary Positions: 5.0

Vacant Position: 9.0

### Redding

Authorized Positions: 49.7

Temporary Positions: 6.0

Vacancies: 3.2

## TRAINING UPDATES – 1 MARCH 2023 – 30 APRIL 2023

Class Title	Number of Attendees
2023 CWEMF Annual Meeting	1
30 CFR parts 46 and 48 Annual Refresher Training for Surface Mining	1
40-hr Mandatory Add-On	5
8-Hour HAZWOPER Refresher	7
Advanced Project Management	1
AEHS Spring 2023 Vapor Intrusion Workshop	1
American Heart Association (AHA) Heartsaver CPR AED	1
American Heart Association (AHA) Heartsaver First Aid	1

<b>Class Title</b>	<b>Number of Attendees</b>
CA Leadership Academy: Supervisor Development Program	1
California Water History: Navigating the Seven C's	5
COVID-19 Awareness	34
Difficult Conversations	3
EEO: Workplace Rights and Responsibilities SB 1343 (Harassment Prevention Training)	1
Effective Listening in the Workplace: The Key to Positive Relationships, Productivity, and Satisfaction	3
Elements of a Violation, Evidence of a Violation and Making Your Case - Considerations for the Field Inspector	3
Engaging the Disengaged	4
Engineering Education and Training - Breadth and Depth on Demand Course	1
Environmental Statistics with R	2
Ergonomic Awareness: Creating a Healthy Work Environment	4
Excel Basics: Level 2 Tables & Charts	1
Field Safety Training	5
Fundamental Inspector Course	1
Heat Stress Prevention	1
Highly Effective Professional Writing	4
HR Liaison: Confidentiality & Security Certificate	1
HR Liaisons: Best Hiring Practices	1
Interpersonal Communication Skills	11
Introduction to Data Visualization	1
Introduction to R for Water Resources Data Science	1
Introduction to R for Water Resources Data Science: Unleashing your Potential to Work with Any Kind of Data	1
Overcoming the Challenges of the Hybrid Work Environment	28
Petroleum Hydrocarbon Remediation Principles and Technologies for Soil, Vapor, and Groundwater	8
QSP Training	2
Stakeholder Engagement	2
Stormwater BMP Performance and Optimization	5
Supervisor's Health and Safety Training	1
Water Boards 101: California Water Rights Law	6
Webinar-Geomembrane Damage During Oil and Gas Operations Part 1	1
Webinar-Geomembrane Damage During Oil and Gas Operations Part 2	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
20-012-150	Capitol Helicopters	Helicopter aerial surveillance services (Rancho Cordova office – SB 901 funds)	6/18/2021	6/30/2023	\$60,000
20-072-150	Air Shasta Rotor & Wing, Inc.	Helicopter aerial surveillance services (Redding office – SB 901 funds)	6/15/2021	6/30/2023	\$95,000
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

### Water Quality Study/Planning

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

<b>Contract Number</b>	<b>Contractor Name</b>	<b>Description</b>	<b>Start Date</b>	<b>End Date</b>	<b>Amount</b>
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	TBD	NPS Training Module Development	7/1/2023	6/30/2026	\$200,000
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.

### **AUGUST 2023 BOARD MEETING**

#### **WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISCHARGE TO LAND**

- Cutler-Orosi WWTF (Revised WDRs)
- City of Dinuba WWTF (Revised WDRs)
- Pacific Coast Producers (Revised WDRs)
- Teichert Marysville (Revised WDRs)

## **NPDES PERMITTING**

- City of Red Bluff WWTP Permit Renewal
- Tehama County Sanitation District No. 1, Mineral WWTP Permit Renewal
- Bear Valley Community Services District WWTF Permit Rescission (placed under WDRs)
- City of Colfax WWTP Permit Rescission (placed under Municipal General Order)
- City of Jackson WWTP Permit Rescission (placed under Municipal General Order)
- Cutler-Orosi Joint Powers Wastewater Authority WWTF Rescission (Placed under WDRs)
- American Valley CSD WWTP Permit Renewal
- City of Stockton WWTP Permit Amendment

## **OCTOBER 2023 BOARD MEETING**

### **WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISCHARGE TO LAND**

- Redding Regional Septage (Revised WDRs)
- Sonora Regional WWTF (Revised WDRs)
- Bogle Winery (Revised WDRs)

## **NPDES PERMITTING**

- San Andreas Sanitary District WWTP Permit Renewal
- Sacramento Regional WWTP Permit Amendment
- Calaveras County Water District, Forest Meadows WWTP Permit Renewal

## **DECEMBER 2023 BOARD MEETING**

### **WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISCHARGE TO LAND**

- California Olive Ranch – Atrios (Revised)

## **NPDES PERMITTING**

- City of Portola WWTP Permit Renewal
- City of Lincoln WWTF Permit Renewal
- Ironhouse Sanitary District WWTF Permit Renewal

- City of Davis WWTP Permit Renewal

## **PENDING ACTIONS BUT NOT YET SCHEDULED FOR A BOARD MEETING**

### **WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISCHARGE TO LAND**

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

### **NPDES PERMITTING**

- Shasta CSA #17 Cottonwood WWTP Permit Renewal
- City of Clovis WWTF Permit Renewal
- City of Dunsmuir WWTP Permit Renewal

- City of Rio Vista Beach WWTF Permit Renewal
- SPX Marley Cooling Technologies Permit Renewal
- Yuba City WWTF Permit Renewal

## ATTACHMENT A

### ATTACHMENT A – SANITARY SEWER OVERFLOW SUMMARY

Sanitary Sewer Overflow (SSO) Spills – March and April 2023

Spill Cause	Count of Spill(s)	Percent (%)
Root Intrusion	91	41.0%
Debris-General	54	24.3%
Grease Deposition	20	9.0%
Debris-Wipes/Non-Dispersables	9	4.1%
Operator Error	8	3.6%
Debris-Rags	7	3.2%
Other (specify below)	7	3.2%
Pipe Structural Problem/Failure	5	2.3%
Vandalism	4	1.8%
Rainfall Exceeded Design, I and I	3	1.4%
Flow Exceeded Capacity (Separate CS Only)	2	0.9%
Natural Disaster	2	0.9%
Pump Station Failure-Controls	2	0.9%
Pump Station Failure-Power	2	0.9%
CS Maintenance Caused Spill/Damage	1	0.5%
Damage by Others Not Related to CS Construction/Maintenance	1	0.5%
Debris from Construction	1	0.5%
Inappropriate Discharge to CS	1	0.5%
Pipe Structural Problem/Failure - Installation	1	0.5%
Pump Station Failure-Mechanical	1	0.5%
<b>Total</b>	<b>222</b>	<b>100%</b>



## ATTACHMENT A

### Sanitary Sewer Overflow (SSO) Spills (TOTAL COUNTS) – March and April 2023

Office	Category 1	Category 2	Category 3	Total
5F	5	1	13	19
5R	3	0	4	7
5S	18	6	172	196
<b>Total</b>	<b>25</b>	<b>7</b>	<b>189</b>	<b>222</b>

**Category 1:** Discharges of untreated or partially treated wastewater of any volume resulting from an enrollee’s sanitary sewer system failure or flow condition that:

- Reach surface water and/or reach a drainage channel tributary to a surface water; or
- Reach a Municipal Separate Storm Sewer System (MS4) and are not fully captured and returned to the sanitary sewer system or not otherwise captured and disposed of properly. Any volume of wastewater not recovered from the MS4 is considered to have reached surface water unless the storm drain system discharges to a dedicated storm water or groundwater infiltration basin (e.g., infiltration pit, percolation pond).

**Category 2:** Discharges of untreated or partially treated wastewater of 1,000 gallons or greater resulting from an enrollee’s sanitary sewer system failure or flow condition that do not reach surface water, a drainage channel, or a MS4 unless the entire SSO discharged to the storm drain system is fully recovered and disposed of properly.

**Category 3:** All other discharges of untreated or partially treated wastewater resulting from an enrollee’s sanitary sewer system failure or flow condition.

### Sanitary Sewer Overflow (SSO) Spills (DETAILS) – March and April 2023

REGION	AGENCY	Collection System	Spill Event ID	Spill Category	Spill Location	COUNTY	Did Spill Reach Surface Waters? (Yes/No)	Spill Volume (Gallons)	Volume that Reached Surface Waters (Gallons)	Spill Date	Spill Cause
5F	County of Fresno	Fresno Co 31B-Shaver Lake CS	887059	Category 1	CSA 31B	Fresno	Yes	14,400	10,000	3/12/2023	Pump Station Failure-Mechanical
5F	Madera County Public Works Department - Special Districts	SA-2 Bass Lake CS	887032	Category 1	Lift Station # 11	Madera	Yes	500,000	500,000	3/10/2023	Flow Exceeded Capacity (Separate CS Only)

## ATTACHMENT A

REGION	AGENCY	Collection System	Spill Event ID	Spill Category	Spill Location	COUNTY	Did Spill Reach Surface Waters? (Yes/No)	Spill Volume (Gallons)	Volume that Reached Surface Waters (Gallons)	Spill Date	Spill Cause
5F	Mariposa County DPW	Mariposa Co DON PEDRO SEWER ZONE 1 CS	887219	Category 1	Lift Station #7	Mariposa	Yes	21,600	21,600	3/20/2023	Pump Station Failure-Controls
5F	Reedley City	Reedley, City Of CS	886875	Category 1	Cricket Hollow Park	Fresno	Yes	1,350	498	3/1/2023	Pump Station Failure-Controls
5F	Twain Harte CSD	Twain Harte CSD CS	887878	Category 1	Rear of 23333 Gurney Station	Tuolumne	Yes	1,200	200	4/20/2023	Root Intrusion
5R	Portola City	Portola CS	887470	Category 1	Railroad yard	Plumas	Yes	11,025	11,025	3/13/2023	Rainfall Exceeded Design, I and I (Separate CS Only)
5R	Redding City	Redding City CS	887142	Category 1	7097 Irving Rd.	Shasta	Yes	1,500	1,500	3/14/2023	Rainfall Exceeded Design, I and I (Separate CS Only)
5R	Redding City	Redding City CS	888046	Category 1	3085 Foothill Blvd.	Shasta	Yes	1,051	751	4/27/2023	Other (specify below)
5S	Brentwood City	City Of Brentwood CS	886881	Category 1	1060 Brookdale Drive	Contra Costa	Yes	78	78	3/1/2023	Root Intrusion
5S	Calaveras County Water District	6-Mile Village CS	887018	Category 1	Corner of Kurt Drive and Vallecito Road	Calaveras	Yes	90	90	3/12/2023	Pipe Structural Problem/Failure
5S	Grass Valley City	Grass Valley City CS	887138	Category 1	227 Harper St	Nevada	Yes	1,510	1,500	3/15/2023	Debris-General
5S	Jackson City	City Of Jackson CS	887063	Category 1	401 Clinton Rd. Meadows 1 Apt	Amador	Yes	11,741	11,741	3/10/2023	Root Intrusion
5S	Lake County	Southeast Regional Waste Disp Fac CS	887069	Category 1	6815 Meadowbrook drive Clearlake, CA	Lake	Yes	40	40	3/14/2023	Flow Exceeded Capacity (Separate CS Only)
5S	Lake County	Southeast Regional Waste Disp Fac CS	887225	Category 1	14938 Burns Valley Road, Clearlake, CA 95422	Lake	Yes	600,000	600,000	3/21/2023	Other (specify below)

## ATTACHMENT A

REGION	AGENCY	Collection System	Spill Event ID	Spill Category	Spill Location	COUNTY	Did Spill Reach Surface Waters? (Yes/No)	Spill Volume (Gallons)	Volume that Reached Surface Waters (Gallons)	Spill Date	Spill Cause
5S	Modesto City	Modesto CS	887429	Category 1	1116 Pebble Ln, Modesto, CA 95355	Stanislaus	Yes	1,260	1,091	3/27/2023	Root Intrusion
5S	Modesto City	Modesto CS	887686	Category 1	601 Neece Dr, Modesto, CA	Stanislaus	Yes	294	294	4/14/2023	Pipe Structural Problem/Failure
5S	Placer County Dept of Facility Services	SMD No. 1 CS	887599	Category 1	Auburn Ravine Sewer Lift Station	Placer	Yes	40	40	4/10/2023	Pipe Structural Problem/Failure
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	886974	Category 1	323636	Sacramento	Yes	1,428	1,417	3/2/2023	Root Intrusion
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	886999	Category 1	323706	Sacramento	Yes	538	329	3/5/2023	Root Intrusion
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	887014	Category 1	323790	Sacramento	Yes	125	89	3/8/2023	Debris-General
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	887019	Category 1	323926	Sacramento	Yes	2,500	2,430	3/10/2023	Natural Disaster
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	887020	Category 1	323999	Sacramento	Yes	74	71	3/10/2023	Root Intrusion
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	887468	Category 1	324909	Sacramento	Yes	31	26	3/28/2023	Vandalism
5S	Sacramento Area Sewer District	Sacramento Area Sewer District CS	888078	Category 1	326435	Sacramento	Yes	197	157	4/30/2023	Root Intrusion
5S	South Placer MUD	South Placer Mud CS	886927	Category 1	5208 Thor Ct_Rocklin	Placer	Yes	10	5	3/3/2023	Other (specify below)
5S	South Placer MUD	South Placer Mud CS	888034	Category 1	2912 Lara Ct_Rocklin	Placer	Yes	85	81	4/24/2023	Debris-Wipes/Non-Dispersables