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AMIGO MINI-MART, 10014 SOUTH ALTA AVENUE, REEDLEY, FRESNO COUNTY

The Site was a commercial fuel facility that sold petroleum products and is currently unoccupied. The local agency referred the case to the Board on 17 July 2006. Amigo conducted site assessment from July 2012 through September 2013 to evaluate the extent of petroleum hydrocarbons in soil, soil gas, and groundwater. Assessment included sampling domestic wells within 500 feet of the Site, which did not contain detectable concentrations of petroleum hydrocarbons. Amigo operated an SVE system between February 2015 and October 2017 that removed approximately 10,300 pounds (1,700 gallons) of TPHg. Amigo conducted groundwater monitoring from July 2012 through May 2018 and the most recent groundwater samples contained non-detect to trace concentrations of petroleum hydrocarbons. The Site has been remediated to the extent practicable and any remaining petroleum hydrocarbons at the Site should continue to naturally attenuate and should not adversely impact environmental quality, the beneficial uses of groundwater, or pose an unacceptable risk to human health. The case met the Low-Threat Closure Policy criteria and was closed on 4 August 2020.

FARM RESIDENCE, 6645 EAST HARVEY AVENUE, FRESNO, FRESNO COUNTY

The Site is an agricultural property planned for commercial development. One 500 gallon and one 1,000-gallon UST were removed, and the local agency opened a case in 1989 after there was evidence of a release during the UST removals. During preparation for a 2019 property transfer, the responsible party conducted two investigations to assess the extent of petroleum hydrocarbons in the subsurface. Gasoline constituents extended to a depth of approximately 35 feet and the responsible party excavated eighty-three tons of impacted soil and transported it offsite for disposal. The release lacked the mass and mobility to migrate to groundwater, which is at a depth of approximately 80 feet. The case was closed on 24 June 2020 in accordance with the Low-Threat Closure Policy.

VALLEY TRUCK WRECKING, 10764 SOUTH ALTA AVENUE, DINUBA, FRESNO COUNTY

The Site is a vehicle junk and salvage yard that removed its UST in April 1990 and had elevated petroleum constituents in soil samples obtained during the removal. The local agency referred the case to the Central Valley Water Board in 2004. Valley conducted soil, soil gas, and groundwater assessment from June 2009 through April 2018, and operated an SVE system from October 2013 through January 2017, which removed approximately 4,500 pounds (700 gallons) of TPHg. Groundwater monitoring was conducted from August 2012 to February 2013 and from August 2013 to May 2018 from deeper wells and the most recent groundwater samples contained non-detect to trace concentrations of petroleum hydrocarbons. Petroleum constituents were not detected in domestic wells within 500-feet of the Site. Any remaining petroleum hydrocarbons should continue to naturally attenuate and should not adversely impact environmental quality, the beneficial uses of groundwater, or pose an unacceptable risk to human health. The case met the Low-Threat Closure Policy criteria and was closed on 14 August 2020.

FASTLANE MINI -MART, 201 ELMO HIGHWAY, MCFARLAND, KERN COUNTY

The Site is an active mini-mart with fuel sales. Fastlane discovered a release during its UST system replacement in 2004. An unknown hydrocarbon mass was excavated to 10 feet bgs during UST replacement. Fastlane conducted groundwater monitoring through 2012 and did not have petroleum hydrocarbon detections after 2010. Fastlane removed approximately 20,300 pounds (3,300 gallons) of fuel constituents by SVE and air sparging from early 2010 through early 2013. The State Water Board, Underground Storage Tank Cleanup Fund (Cleanup Fund) directed case closure in a Review Summary Report signed on 6 July 2015. State Water Board Order WQ 2017 0024 – UST, signed on 16 October 2017, required well destruction and closure. The wells were destroyed in January 2020 and investigation waste disposal completed in May 2020. The Cleanup Fund manager signed a Remedial Action Completion Certification closing the case on 4 September 2020.

KINGS COUNTY PUBLIC WORKS YARD, 18324 IONA BOULEVARD, LEMOORE, KINGS COUNTY

The Site was formerly a Kings County Public Works Department Road Yard. Kings County discovered a release when it removed gasoline and diesel USTs in 1987. More than two feet of liquid phase hydrocarbons (aka free product) accumulated in the monitoring wells over a widespread area. During 1991 and 1992, Kings County removed more than 3,650 pounds (600 gallons) of product, but product remained in some wells through the 1990s. Kings County excavated approximately 4,000 cubic yards of overburden and petroleum impacted soil a depth of 15 feet during late 2004, extending up to two feet into groundwater. However, petroleum impacted soil in underground utility corridors was not removed, resulting in persistent elevated benzene concentrations in groundwater. Based on groundwater monitoring through early 2018, the length of the petroleum plume in groundwater had decreased from about 200 feet to less than 100 feet. The case was closed in accordance with the Low-Threat Closure Policy on 28 July 2020.

DINUBA HIGH SCHOOL, 1198 EAST MAGNOLIA WAY, DINUBA, TULARE COUNTY

The Site was formerly a market with retail fuel sales and is currently a vacant area on the Dinuba High School property planned for tennis courts. A release was discovered during 2004 when a gasoline UST was removed. Investigation to evaluate the extent and concentration of gasoline constituents in soil and groundwater was conducted from 2004 through 2016. Pilot testing and interim and permanent multiphase extraction systems removed approximately 28,000 pounds (4,550 gallons) of gasoline constituents from the vadose and saturated zones from 2011 through 2016. Shallow soil and soil gas sampling conducted during late 2016 confirmed that human health risk from the remaining contaminants was less than the level of concern. Water quality objectives will be met in a reasonable time period. The case was closed on 20 July 2020 in accordance with Low-Threat Closure Policy criteria.

SACRAMENTO

KING ISLAND RESORT, 11530 W. EIGHT MILE ROAD, STOCKTON, SAN JOAQUIN COUNTY

King Island Resort (KIR; Site), a marine petroleum fueling facility, is located along White Slough in the Sacramento/San Joaquin River Delta and is. KIR historically operated three fuel USTs: one 2,000-gallon gasoline UST (Tank 1), one 6,000-gallon gasoline UST (Tank 2), and one 4,000-gallon diesel UST (Tank 3). KIR conducted an investigation in March and April 1989 that detected petroleum hydrocarbons in soil and groundwater. KIR removed Tank 1 and associated piping in July 1991 and removed Tanks 2 and 3 and associated piping in March 1999. To assess the extent of the release, KIR advanced 44 soil and groundwater borings, and installed 15 groundwater monitoring wells. KIR performed a 6-month ozone injection pilot test between February and August 2011. Site conditions met the General and Media-Specific criteria for case closure under the Low-Threat Closure Policy, and Central Valley Water Board staff closed the case on 17 August 2020.

AMERICAN MEDICAL RESPONSE WEST, 2060 E. MAIN STREET, STOCKTON, SAN JOAQUIN COUNTY

In 1988, American Medical Response West (AMR West) removed a waste oil UST from beneath the current location of the Site building. AMR West believed an historic fuel UST was beneath another part of the property. In 2015, AMR West performed a ground-penetrating radar (GPR) survey of the Site, but did not find another UST beneath the property. To assess the extent of the release, between 1993 and 2018 AMR West collected two tank excavation soil samples drilled six soil borings, and installed three groundwater monitoring wells. Petroleum hydrocarbons have naturally attenuated, and Site conditions met the General and Media-Specific criteria for case closure under the Low-Threat Closure Policy. On 31 August 2020, Central Valley Water Board staff closed the case.

PACHECO OIL, 740 2ND STREET, LOS BANOS, MERCED COUNTY

The Site was formerly a bulk fuel storage facility but is currently the northwestern end of the Los Banos Rail Trail walking path. Pacheco Oil detected a release in 1991 when its USTs were removed. Merced County Department of Public Health (MCDPH) oversaw investigation activities between 1991 and 2013, when the Central valley water Board became lead regulatory agency. In October 2016, a passive biovent treatment system was installed, and groundwater no longer contains petroleum hydrocarbons above laboratory detection limits. Therefore, residual 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 closed the case on 25 August 2020.

ADDITIONAL INFORMATION ON SSOS

Additional information regarding SSOS, including the current Monitoring and Reporting Program (MRP), can be found at the [State Water Board's Sanitary Overflow Reduction Program](https://www.waterboards.ca.gov/water_issues/programs/sso/index.html) (https://www.waterboards.ca.gov/water_issues/programs/sso/index.html). Sewage collection agencies report SSOS in the State Water Board's CIWQS database pursuant to the requirements of SSS General Order.

COMPLAINTS AND OTHER WATER QUALITY THREATS OR IMPACTS COMPLAINTS

Central Valley Water Board staff are responsible for responding to complaints related to water quality within the Central Valley Region as they are received. From 1 July 2020 through 31 August 2020, Central Valley Water Board staff received a total of **46 complaints** via phone calls, emails, and from the [CalEPA Complaint database](https://calepacomplaints.secure.force.com/complaints/) (<https://calepacomplaints.secure.force.com/complaints/>). To date, 43 (93%) complaints have been investigated and closed or referred to another environmental enforcement agency. Investigations for the remaining three complaints remain ongoing.

ADMINISTRATIVE CIVIL LIABILITY

The Water Board has the authority to impose administrative civil liabilities for a variety of violations under Water Code section 13323. All 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)

In lieu of assessing all or a portion of the mandatory minimum penalties pursuant to Water Code section 13385 (k) subdivisions (h) and (i) against a publicly owned treatment works serving a small community with financial hardship, the regional board may elect to require the discharger to spend an equivalent amount towards the completion of a CP proposed by the discharger if the regional board finds the CP is designed to correct the violations within five years, is in accordance with the enforcement policy of the state board, and the publicly owned treatment works has prepared a financing plan to complete the compliance project. Supplemental Environmental Project (SEP)

A settling party may offset a portion of the monetary liability of an ACL penalty by voluntarily choosing to fund SEPs 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.

Table 5c – Land Disposal

Programs	Original Target	Facilities Inspected	% Complete = Actuals/ Original Target	Revised Target	Total # of Inspections Performed
Landfill Inspections	113	9	7%	NA	9
All Other Inspections	23	2	8%	NA	2

Table 5d – NPDES Storm Water

Programs	Original Target	Facilities Inspected	% Complete = Actuals/ Original Target	Revised Target	Total # of Inspections Performed
Stormwater Construction Inspections	385	48	12%	NA	48
Stormwater Industrial Inspections	195	40	20%	NA	40
Stormwater Municipal Inspections	0	13	NA	NA	13

Table 5e – Other Programs

Programs	Original Target	Facilities Inspected	% Complete = Actuals/ Original Target	Revised Target	Total # of Inspections Performed
Forest Activities Inspections	166	28	16%	NA	28
Confined Animal Facility Inspections	275	15	5%	NA	15

OLD AND MIDDLE RIVERS DISSOLVED OXYGEN IMPAIRMENT

On 15 June 2020, the Department of Water Resources (DWR) submitted a draft report detailing the temporary barriers' effects on dissolved oxygen in Old and Middle Rivers to meet a requirement of the 401 Certification. Board staff are currently reviewing the draft DWR report.

TMDL BASIN PLANNING

PESTICIDE BASIN PLANNING/TMDLS

CENTRAL VALLEY PYRETHROIDS BASIN PLAN AMENDMENT AND TMDL

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

Pyrethroid Management and Monitoring Plans were submitted to the Board from the City of Roseville and the Sacramento Stormwater Quality Partnership to comply with the BPA and TMDLs in April. Board staff have reviewed those Management Plans, provided comments to the dischargers, and anticipate being able to have the final versions of the Management Plans approved by the end of November 2020.

On 15 July 2020, Board staff sent orders under California Water Code Sections 13267 and 13383 to Municipal Separate Storm Sewer System (MS4) permittees in the Sacramento and San Joaquin Rivers Basins specifying requirements for baseline monitoring under the Control Program for Pyrethroid Pesticide Discharges. Under these orders, larger Phase I MS4 entities must submit draft Baseline Monitoring Plans no later than 1 December 2020.

Phase II MS4 dischargers under the program had the option to either 1) submit Baseline Monitoring Plans by 28 February 2020, or 2) acknowledge the existing data are assumed to be representative of their discharge, forego baseline monitoring and prepare a Pyrethroid Management Plan due to the Board by 19 August 2021. The Phase II MS4s were also required to submit a statement of intent by 31 August 2020 describing which option they selected. As of early September, 54 of the 60 Phase II MS4s who received 13267/13383 orders have responded, and staff are following up with the remainder. If the baseline monitoring option was selected by the Phase II MS4 entity, a draft Baseline Monitoring Plan will be due on 28 February 2021, one (1) year of baseline monitoring shall be completed by 21 June 2022, and applicable reports shall be submitted by 19 September 2022. If an exceedance of prohibition triggers is found

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

SALINITY AND CV SALTS

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

The CV-SALTS Central Valley-wide Salt and Nitrate Management Plan (SNMP) was completed and submitted to the Board on 12 January 2017. A resolution acknowledging receipt of the SNMP and directing Board staff to begin basin plan amendment work to implement the SNMP as appropriate was adopted at a 9 March 2017 hearing. Final copies of the [SNMP](#) and related policy documents can be found here: (https://www.waterboards.ca.gov/centralvalley/water_issues/salinity/salt_nitrate_mgtplan/)

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

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

On 16 October 2019, the State Water Board adopted a resolution approving the SNCP amendments, along with a directive for the Central Valley Water Board to adopt targeted revisions to the amendments within a year of their approval by the Office of Administrative Law (OAL), which was on 15 January 2020. The SNCP was finalized when the Notice of Decision was filed with the Secretary of Natural Resources Agency on 17 January 2020, except for the portions subject to the Clean Water Act, which will require approval by the USEPA. Draft basin plan language addressing the revisions requested by the State Water Board were posted for public comment on 4 September 2020. The public comment period ends on 19 October 2020 and the hearing to consider adoption of the revisions is scheduled for 10/11 December 2020. The Notice of Opportunity to Comment and Public Hearing, along with the [draft basin plan language](#) and Staff Report can be found here:

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

The mailing of Notice to Comply letters for the Nitrate Control Program were sent out to Priority 1 permittees on 29 May 2020. Preliminary Management Zone Proposals are due on 8 March 2021 and Notice of Intent documents are due 7 May 2021. Notice to Comply letters for the Salt Control Program are tentatively scheduled for October 2020, pending USEPA approval of the amendments. More information about the [SNCP](#), including the latest on Management Zone formation efforts in Priority 1 areas can be found at: (<https://cvsalts.info>)

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

On 11 August 2017, the Board adopted the proposed Basin Plan Amendment to develop a region wide MUN evaluation process in Ag dominated surface water bodies. A State Board hearing to consider approval of the Basin Plan Amendment was held on 10 July 2018. State Board members deferred their decision on the amendments to a future date. Board staff continue to work with State Board staff to address questions and concerns that were raised during the 10 July 2018 hearing and have developed an updated project Work Plan for the fiscal year 2020/21.

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

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

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

MAA meetings with Board staff and representatives for USBR, the Westside San Joaquin River Watershed Coalition, and the Grassland Water District are held quarterly. The last MAA meeting to discuss ongoing activities supporting the San Joaquin River Real Time Management Program activities (RTMP) was held on 21 September 2020. A meeting for the RTMP stakeholder group, originally scheduled for 8 June 2020, was postponed until next quarter due to COVID-19 restrictions. USBR's 2019 Annual Report was submitted to the Central Valley Water Board in December 2019. USBR posted a draft of their FY20/21 Work Plan by 23 June 2020. USBR received one comment letter from the Contra Costa Water District. USBR submitted their final FY20/21 Work Plan and Response to Comments documents to the Central Valley Water Board on 27 August 2020. [USBR's documents](https://www.usbr.gov/mp/ptms/) are available at: (<https://www.usbr.gov/mp/ptms/>).

SURFACE WATER AMBIENT MONITORING PROGRAM (SWAMP)

LOWER AMERICAN RIVER BENEFICIAL USE ASSESSMENT

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

samples) and the human marker was detected in a single sample. This second phase of the study will provide additional DNA samples to further characterize the contributing sources of E. coli to the river.

SUMMER 2019 RECREATIONAL BENEFICIAL USE ASSESSMENTS

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

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

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

FOREST ACTIVITIES PROGRAM

FEDERAL NONPOINT SOURCE PERMIT DEVELOPMENT

Central Valley Water Board and Lahontan Water Board staff have been working through the initial stages of obtaining a contract through Department of General Services to develop an environmental impact report for each permit that will be produced by the individual region. Tribal consultation has been initiated, and the project webpage has been recently updated. Both the U.S. Forest Service and the Bureau of Land Management have recently produced draft manuals containing best management practices for staff review to consider as the basis of permit requirements.

WILDFIRE RESPONSE

Central Valley Water Board Forest Program staff are preparing a plan to address the vast acreages of post-fire salvage operations expected in the wake of the wildfires occurring throughout the region. This plan includes upcoming informational bulletin releases by CAL FIRE for salvage operations on private lands, informational letters to landowners and project submitters (including the U.S. Forest Service), and outreach to utility companies that are conducting repair work. Post-fire salvage operations and hazard tree removal activities often begin before fires are classified as out, and given how quickly winter conditions can arrive in the late fire season and the vast extent of burned acreage in the region, prioritizing staff efforts is crucial.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

GENERAL ORDERS

The Central Valley Water Board has issued several NPDES general orders to streamline the permitting process for similar-type discharges. Where existing NPDES permittees meet the eligibility requirements of the general orders staff seek to enroll the permittees under the general orders to streamline the permitting process. NPDES Tables 1 and 2, below, summarize the Notices of Applicability that were issued for Fiscal Year 2020/2021 (1 July 2020 and 30 June 2021) for the General Waste Discharge Requirements/NPDES Permit for Limited Threat Discharges to Surface Water (Limited Threat General Order) and Waste Discharge Requirements for Municipal Waste Dischargers that Meet Objectives/Criteria at the Point of Discharge to Surface Water (Municipal General Order).

NPDES PERMIT Table 1 –Limited Threat Discharges to Surface Waters R5-2016-0076

Facility	General Order Permit Number
North Manteca Trunk Sewer Construction Dewatering Project	R5-2016-0076-064

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

Facility	County	General Order Permit Number
Stallion Springs Community Services District, Wastewater Treatment Facility	Kern	R5-2017-0085-013

DAIRIES/CONFINED ANIMAL FACILITIES

CONFINED ANIMAL FACILITY INSPECTIONS

The Confined Animal Facilities Program’s FY 2020/2021 performance target for facility inspections is 275. Staff have completed approximately 30 inspections since 1 July 2020. Due to COVID-19, the rate of inspections has declined. However, staff anticipates increasing the number of inspections performed during the coming rainy season.

MORTALITIES DUE TO HEAT WAVE

Due to a recent heat wave, an increase in animal mortalities temporarily stressed the capacity of rendering operations. This resulted in a number of dairies that had to temporarily store carcasses on-site. Based on guidelines developed with participation

from the California Department of Food and Agriculture (CDFA), these carcasses are covered with manure and composted until they can be transported to a landfill. Because the composting is done on a plastic liner in manure storage areas of the dairy regulated by the Dairy General Order, this temporary storage/composting prior to off-site disposal does not create a threat to water quality. The burial of dead animals on site, or the land application of composted material containing mammalian tissue, are prohibited.

As mentioned in a previous EO Report, the CDFA is working with UC Davis, USDA, and others to test the efficacy of mortality composting and the safety of land applying composted material. Central Valley Water Board and other CalEPA staff are working with CDFA staff to ensure that any recommended practices are documented to be protective of human health and the environment, including water quality, before proposing the Board consider waste discharge requirements that allow the land application of such compost.

OIL FIELDS

WASTEWATER SURFACE PONDS

Central Valley Water Board staff (Staff) continues to work on enrolling oil field operators under the Oil Field General Orders for Discharges to Land, and to evaluate closure plans for produced wastewater ponds. Major items that Staff have completed include:

- Notified Berry Petroleum Company in the Midway-Sunset Oil Field that a Report of Waste Discharge (RWD) or Notice of Intent (NOI) needs to submit 140 days prior to the proposed discharge of fill to Sandy Creek. The project would be a structure to bypass Sandy Creek around an ongoing surface expression. Berry Petroleum Company has been coordinating with Staff on the proposed project;
- Issued a Notice of Applicability Order (NOA) No. R5-2017-0036-016 for an Aera Energy LLC facility in the Coalinga Oil. This NOA authorizes the discharge of produced wastewater to seven ponds under Oil Field General Order Three;
- Approved a California Resources Corporation (CRC) revised work plan to conduct soil sampling in an inactive pond and in areas where road mix was applied on the Vedder USL Lease in the Mount Poso Oil Field;
- Approved a CRC revised work plan to conduct soil sampling in an inactive pond and in areas where road mix was applied on the Jones Lease in the Mount Poso Oil Field;
- Approved a CRC work plan to collect soil samples from a waste pile in the McDonald Anticline generated during the closure of ponds by a previous operator;
- Responded to CRC questions/comments for its McDonald Anticline Lease and associated with planned evaluations of data to be conducted after soil/sludge

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

Staff issued two no objection letters and memorandums for UIC projects in the Kern River and Midway-Sunset Oil Fields.

Staff issued one completeness check and initial review letter and memorandum for a UIC project in the Midway-Sunset Oil Field.

Staff received project information relating to an Operator's request to conduct a steamflood project in the McKittrick Oil Field. Staff are reviewing the information provided.

SENATE BILL 4 (SB-4) PROGRAM

Since the last Executive Officer's Report, Central Valley Water Board staff have completed one SB4 Well Stimulation Treatment (WST) Application package review and submitted written comments to the State Water Board. The Application package reviewed was for Aera Energy LLC's Lost Hills Oil Field.

Central Valley Water Board staff also reviewed the following: Aera Energy LLC groundwater monitoring reports for its South Belridge Oil Field; a Chevron U.S.A. Inc. groundwater monitoring addendum for its Lost Hills Oil Field; a Chevron U.S.A. Inc. document associated with a groundwater mound in the Lost Hills Oil Field; and, a revised California Resources Corporation work plan for the installation of a monitoring well for a supply well in their Terrabone Oil Field (unofficial). Central Valley Water Board staff submitted written comments to the State Water Board.

IRRIGATED LANDS REGULATORY PROGRAM (ILRP)

EXPERT REVIEW OF EAST SAN JOAQUIN WATER QUALITY COALITION (ESJWQC) SURFACE WATER MONITORING FRAMEWORK

State Water Resources Control Board Order WQ-2018-0002 directed the Central Valley Water Board to convene an external expert review of the ESJWQCs surface water monitoring framework. Steve Weisberg of the Southern California Coastal Water Research Project (SCCWRP) is facilitating the five-member panel external review. The first public Panel Meeting was held in January 2020, with two days at the Central Valley Water Board's, Rancho Cordova office and one day touring the Coalition's monitoring locations. The second public Panel Meeting was held from 24-26 August 2020 via a webinar. Following two days of stakeholder presentations and deliberation, the Panel

water and groundwater nitrate exceedances observed during 20 years of monitoring under MRP 97-811.

On 1 May, Norman's Nursery submitted its annual Management Plan Progress Report, which is currently under staff review.

RICE PESTICIDES PROGRAM

The annual Rice Pesticide Program Stakeholder Meeting will be held via a Zoom meeting on 13 November 2020. Thiobencarb monitoring results for the 2020 season will be presented and discussed.

NON-POINT SOURCE (NPS)

CLEAR LAKE NUTRIENT CONTROL PROGRAM UPDATE

Staff is working with TMDL identified responsible parties to obtain information regarding compliance with phosphorus load allocations. Staff is in the process of drafting and sending enforcement orders to each responsible party to obtain this information. There have been delays in this process due to restrictions caused by COVID-19.

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

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

On 22 August 2019, a Time Schedule Order (TSO) request was submitted on behalf of Lake County MS4 co-permittees. On 13 December 2019, the Board issued a TSO to the permittees. The TSO includes a schedule of when the permittees will comply with their load allocation. On 31 January 2020, staff received deliverables from the MS4 permittees regarding their best management practices. Staff is currently reviewing this information. On 25 March 2020, Board staff received and approved a request for extended deadlines. On 24 June 2020, Board staff issued a Notice of Violation (NOV) for failing to meet the extended deadline for the second deliverable under the TSO. The permittees submitted the requested deliverables. Staff is in the process of reviewing the information to verify the NOV was fully addressed. Staff is currently in the process of providing an extension on the third deliverable, which requires the permittees to submit a BMP effectiveness assessment.

On 24 September 2019, staff issued USBLM a 13267 Order requesting information regarding compliance with their load allocation as well as post-fire management practices. On 17 December 2019, USBLM submitted a progress report outlining the steps they are taking to estimate their load reduction. USBLM also submitted a request for a three-month extension for the submittal of their final report. Staff approved this extension. On 19 May 2020, Board staff suspended the 13267 Order until restrictions are lifted for the Ukiah Field Office staff to conduct the monitoring necessary to gather information for their load allocation. On 15 September 2020 staff reinstated the Order with an extended deadline of 1 February 2021.

On 10 October 2019, staff sent County of Lake a 13267 Order regarding their nonpoint source load allocation. On 31 January 2020, staff received their first deliverable from Lake County, which is a list of their management practices to reduce erosion into Clear Lake. Staff is currently reviewing this information. On 25 March 2020, Board staff received a request for extended deadlines to submit a rough estimate of Lake County's load reduction due by 31 March 2020 and a final technical report that describes management practices implemented to reduce phosphorus loads to Clear Lake due by 30 June 2020. Based on the continued progress of Lake County in assessing compliance with their load allocation and restrictions caused by COVID-19 guidelines, Central Valley Water Board has granted Lake County an extension to submit the estimate and technical report. The estimate must be submitted by 29 May 2020 and the report was to be submitted by 31 August 2020. On 24 June 2020, Board staff issued a NOV to Lake County for failing to meet the 29 May 2020 deliverable. The County submitted the missing deliverable and the NOV was resolved. Lake County has requested an extended deadline to complete the technical report. This extension is being requested by the County in order to contract a consultant that can assess an accurate load reduction. Board staff are in the process of assessing a timeline for this extension.

The Blue-Ribbon Committee for the Rehabilitation of Clear Lake met remotely on 18 June 2020. Updates were provided by Committee members and UC Davis. The Committee also discussed funding issues for recommendations. The Blue-Ribbon Committee is scheduled to meet next on 23 September 2020. Meeting details are publicly noticed by the California Natural Resources Agency. More information regarding the Committee can be found on the Natural Resources Agency's [Blue Ribbon Committee website](https://resources.ca.gov/Initiatives/Blue-Ribbon-Committee-for-the-Rehabilitation-of-Clear-Lake) (https://resources.ca.gov/Initiatives/Blue-Ribbon-Committee-for-the-Rehabilitation-of-Clear-Lake).

Staff also coordinated with agencies, organizations, and Tribes in Lake County to develop a joint brochure focused on educating residents about nutrient management and steps they can take to reduce nutrient impacts/erosion into Clear Lake. Central Valley Water Board acted as lead in this effort. The was finalized in August 2020.

More information about the Clear Lake Nutrient Control Program can be found on the [Clear Lake Nutrient TMDL webpage](https://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/clear_lake_nutrients/index.html) (https://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/clear_lake_nutrients/index.html).

County	CE	Tier 1L	Tier 1M	Tier 1H	Tier 2L	Tier 2M	Tier 2H	Total Active Enrollments
Totals	214	327	9	2	158	4	1	714

OUTREACH

Staff have not conducted outreach events since the last Board Meeting due to COVID-19 restrictions though several fall events are in development.

COMPLIANCE AND ENFORCEMENT - ENROLLMENT ENFORCEMENT

ENROLLMENT ENFORCEMENT

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

COMPLIANCE

On August 19, staff performed 2 compliance inspections in Nevada County.

ENFORCEMENT

On July 21-22, staff performed 4 enforcement inspections in El Dorado County.

On July 30, staff performed an inspection in Amador County.

On August 4, staff performed an enforcement inspection in Lake County.

On August 7, staff performed 3 enforcement inspections in El Dorado County.

On Aug 27, staff performed 2 enforcement inspections in Nevada County.

On September 8, staff performed an enforcement inspection in Nevada County.

CYANOBACTERIA BLOOMS UPDATE

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

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

The purpose of the HABs Portal is to provide readily accessible and easy-to-understand information to the public on the environmental and human health effects from HABs.

Resources available include a map showing locations where HABs have been reported, fact sheets on identifying cyanobacteria blooms, and guidance on healthy habits the public can take to protect themselves and their pets from HABs. For health departments and water body managers, the portal includes guidance documents on sampling and posting advisory signs, sign templates, and information on control and treatment options.

Updates and conclusive findings on the results listed in Table 1. below can be found on the [California Harmful Algal Blooms Portal](https://mywaterquality.ca.gov/habs/) at: (https://mywaterquality.ca.gov/habs/).

LATE SUMMER 2020 – CENTRAL VALLEY BLOOMS

Cyanobacterial blooms typically occur from summer through late fall when temperatures are at their highest. However, blooms can occur in the winter and spring, especially if temperatures are mild and nutrients are introduced from rainfall runoff. A summary of cyanobacterial blooms for the period from 14 July 2020 to 11 September 2020 is provided in Table 1.

Table 1. Cyanobacteria Bloom Summary: 14 July 2020 to 11 September 2020

Category	Count
Number of Suspected Blooms Investigated since previous EO Report	38
Number of Confirmed Blooms ¹ since previous EO Report	34
Number of Continuing Blooms ¹ from previous EO Report	3
Number of Distinct Water Bodies with Confirmed Blooms since previous EO Report	29
Number of Human Illnesses Reported since previous EO Report (under investigation) ²	2
Number of Animal Impacts Reported since previous EO Report (under investigation) ³	2

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

² Minor sickness from inhalation and bad odor in Clear Lake (Cache Creek)

³ 1 dog illness in Discovery Bay, 1 fish kill event in Kern County (Pine Mountain Club)

GRANTS

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

Approximately \$4 million each year through a grant from the USEPA 319(h) Program. The purpose of the program is to provide funds to restore and protect the beneficial

failed and at-risk stream crossing structures with an emphasis on designing crossings to accommodate a 100-year event, plus associated sediment and debris. CEQA has been completed. A Notice of Exemption was approved and concurred by State Board in July and filed with the Clearinghouse on August 26th, 2020. (Closing in 2023)

PUBLIC/DISADVANTAGED COMMUNITY/TRIBAL OUTREACH

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

On 15 July and 16 September, Alex MacDonald presented Aerojet updates to the Aerojet Community Advisory Group highlighting field activities undertaken by Aerojet. This included construction of new monitor wells and cleanup at Area 40. A discussion was also provided on the occurrence of PFAS in groundwater at Aerojet and the proposed construction of a consolidated waste management unit on the old White Rock Road North dump to take in contaminated soils.

*On 23 July, Omar Mostafa and Lourin Hubbard participated (via conference call) in the Tulare IVAN Reporting Network task force meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

*On 11 August, Lourin Hubbard participated (via conference call) in the Fresno Environmental Reporting Network task force meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

*On 12 August, Jeff Hannel and Lourin Hubbard participated (via conference call) in the Kings IVAN Reporting Network task force meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

*On August 14th, ILRP staff participated in a meeting with representatives from Clean Water Action, Community Water Center, American Rivers, and Leadership Counsel for Justice and Accountability and the agricultural coalitions to discuss the use of the Soil and Water Assessment Tool for the Groundwater Protection Formula.

On 20 August, Alex MacDonald was one of 5 trainers providing a training on the Interstate Technical Regulatory Councils’ DNAPL Investigation Optimization document. The training is provided free of charge and was given to 235 state and federal regulators, consultants and members of the public.

*On 27 August, Omar Mostafa and Lourin Hubbard participated (via conference call) in the Tulare IVAN Reporting Network task force meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

*On 8 September, Jeff Hannel and Lourin Hubbard participated (via conference call) in the Fresno Environmental Reporting Network task force meeting to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

On September 9, Elizabeth Betancourt met with a UC Merced team to discuss potential complementarity of the CalMAIN concept and efforts of the staff at Innovation Center for Ecosystem Climate Solutions. Significant potential for collaboration was found, and future meetings integrating the stakeholder groups of each effort will be planned for later this year and into 2021.

GENERAL UPDATES TO THE BOARD

CONSTITUENTS OF EMERGING CONCERN (CECS)

In 2016, Central Valley Water Board staff began working with representatives from the Central Valley Clean Water Association (representing publicly-owned treatment works or POTWs) and Central Valley Municipal Separate Storm Sewer System agencies (MS4) to develop a work plan in response to State Water Board's Constituents of Emerging Concern (CECs) Statewide Pilot Study Monitoring Plan. The POTW/MS4 group have developed the Central Valley Pilot Study for Monitoring CECs Work Plan (Work Plan) based on feedback from the State Water Board and Central Valley Water Board staff, which was approved by the Delta Regional Monitoring Program in July 2018.

On 17 August 2020, the QAPP and Sampling and Analysis Plan (SAP) for the Work Plan were reviewed by the Technical Advisory Committee of the Delta Regional Monitoring Program and recommended to the Steering Committee for approval. On 27 August 2020, the Steering Committee approved the QAPP and SAP. The State Board Quality Assurance Officer is currently reviewing the documents for signature. Sediment samples were also collected in August. The sediment samples will be analyzed in September when additional monitoring is planned to take place after the QAPP and SAP are approved.

CAMP FIRE

POST CAMP FIRE DIXIE ROAD SEDIMENT REDUCTION PROJECT (\$500,000)

The Dixie Road project is for the purpose of implementing forest management, erosion control, and storm proofing practices on Dixie Road and Camp Creek Road to protect the spawning beds and fisheries habitat of endangered and threatened species associated with the North Fork Feather River, Camp Creek, and their tributaries in Butte County within the perimeter of the 2018 Camp Fire. The Dixie Road project is currently moving through the environmental review, including submitting a California Fish and Wildlife 1600 permit. (Closing 1/31/2022)

CAMP FIRE ROAD RIGHT-OF-WAY HAZARD TREE REMOVAL PROJECT

Cal OES in coordination with Cal Recycle has prepared an extensive plan to remove between 300,000 and 500,000 burned trees from the road right-of-way through the Camp Fire footprint. Central Valley Water Board staff has collaborated with the multi-agency team to assess potential water quality impacts, determine permitting needs, and provided feedback on the environmental documents prepared for the project. Several protests have been filed on the project and a decision on moving forward is expected by 9 November 2020.

PERSONNEL AND ADMINISTRATION

STAFFING UPDATES – JULY 1, 2020 – AUGUST 31, 2020

PROMOTIONS:

None

LEAVE OF ABSENCE:

Danielle Goode, Senior WRCE

Amy Ha, WRCE

RETIREMENTS:

None

Separations:

None

SUMMARY OF POSITIONS:

Total Authorized Positions: 275.7

Total Vacant Positions: 31.5

Sacramento

Authorized Positions: 148

Vacancies: 16.5

Fresno

Authorized Positions: 76

Vacancies: 8

Redding

Authorized Positions: 51.7

Vacancies: 7

Temporary Positions:

New Hires:

None

Separations:

Sheri Owen, Seasonal Clerk

Jasmine Mostafa, Scientific Aid

TRAINING UPDATES – JULY 1, 2020 – AUGUST 31, 2020

Class Title	Number of Attendees
2020 ESRI User Virtual Presentation	1
24 Hour HAZWOPER	2
4-Hour Field Safety Training	3
Admin 109 - Waterboards 101 - Introduction to DDW	5
California Leadership Academy – Supervisor Development Program (80 Hour Program)	4
Characterization and Remediation of Fractured Rock	1
Creating Accessible Adobe PDF Documents	14
Creating Accessible Word Documents	4
Creating ADA Accessible Documents	9
Critical Thinking	2
CV-SALTS Salt and Nitrate Compliance Webinar	1
Delegating for Results	7
Editing	2
EEO: Workplace Rights and Responsibilities	8
Emotional Intelligence	2
Emotional Intelligence: Mindfulness-based Emotional Intelligence from Good to Great	1
Ergonomics: The Homemade Home Office	2
Field Safety Training	2
Forensic Engineering Geology of Landslides	1
Habits: A Science Based Approach	6
Hazard Communication Program	1
Highly Effective Professional Writing	3
HYST 113 - What to do if an employee is injured.	1

FUTURE BOARD ACTIVITIES

DECEMBER 2020 BOARD MEETING

NPDES PROGRAM – PERMITS

- Sacramento Regional WWTP, Renewal
- City of Turlock Regional WQCF, Renewal
- City of Manteca WQCF, Renewal
- UC Davis Main WWTP, Renewal
- City of Shasta Lake WWTF, Renewal
- Mariposa Public Utility District WWTF, Rescission

WASTE DISCHARGE REQUIREMENTS (WDR) PROGRAM – DISCHARGE TO LAND

- Tasteful Selections, New WDRs
- Bronco Winery, Revised WDRs
- Grimmway Shafter Facility, Revised WDRs
- Los Banos WWTF, Revised WDRs
- Fresno County Service Area 31B WWTF, Revised WDRs

LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27

- Corcoran Landfill, Revised WDRs

FEBRUARY 2021 BOARD MEETING

NPDES PROGRAM – PERMITTING

- Sequoia/Kings Canyon National Parks Rotenone Application, New
- Bell Carter Industrial WWTP, Renewal
- Donner Summit Public Utility District WWTP, Renewal
- Sixteen-to-One Mine, Renewal
- Thunder Valley Casino WWTP, Rescission
- Chester PUD Sewage Treatment Plant, Renewal
- Nevada CSD No. 1 Cascade Shores WWTP Rescission
- Lincoln Center GWTS, Renewal

ATTACHMENT A
ATTACHMENT A – SANITARY SEWER OVERFLOW SUMMARY

Sanitary Sewer Overflow (SSO) Spills – 1 July 2020 through 31 August 2020

Spill Cause	Count of Spill(s)	Percent (%)
Root Intrusion	33	31%
Debris-General	23	22%
Pipe Structural Problem/Failure	11	10%
Grease Deposition (FOG)	10	9%
Other (specify below)	5	5%
Debris-Rags	4	4%
Damage by Others Not Related to CS Construction/Maintenance (Specify Below)	3	3%
Debris-Wipes/Non-Dispersables	3	3%
Construction Diversion Failure	2	2%
Operator Error	2	2%
Pump Station Failure-Controls	2	2%
Air Relief (ARV)/Blow-Off (BOV) Valve Failure	1	1%
CS Maintenance Caused Spill/Damage	1	1%
Damage by others not related to CS Construction/Maintenance	1	1%
Debris from Construction	1	1%
Debris from Lateral	1	1%
Pump Station Failure-Mechanical	1	1%
Pump Station Failure-Power	1	1%
Vandalism	1	1%
Total	106	100%

Sanitary Sewer Overflow (SSO) Spills (TOTAL COUNTS) – 1 July 2020 through 31 August 2020

Office	Category 1	Category 2	Category 3	Total
5F	0	2	8	10
5R	3	0	2	5
5S	6	7	78	91
Total	9	9	88	106

ATTACHMENT A

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

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

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

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

Sanitary Sewer Overflow (SSO) Spills (DETAILS) – <Enter date> and <Enter date>

REGION	AGENCY	Collection System	SSO Event ID	County	Did Spill Reach Surface Waters? (Yes/No)	Spill Volume (Gallons)	Volume that Reached Surface Waters (Gallons)	Spill Date	Spill Cause
5R	Redding City	Redding City CS	868894	Shasta	Yes	41,000	41,000	8/31/20	Pipe Structural Problem/Failure
5S	Placer County Dept of Facility Services	SMD No. 1 CS	868339	Placer	Yes	48,609	28,900	8/3/20	Damage by Others Not Related to CS Construction/Maintenance (Specify Below)
5S	California Department of Corrections and Rehabilitation	Mule Creek State Prison CS	868429	Amador	Yes	42,227	20,000	8/10/20	Pump Station Failure-Controls
5R	Shasta Lake City	Shasta Lake CS	868358	Shasta	Yes	15,147	15,147	8/5/20	Debris-General
5S	Modesto City	Modesto CS	868257	Stanislaus	Yes	9,060	9,060	8/2/20	Grease Deposition (FOG)
5S	Placer County Dept of Facility Services	SMD No. 1 CS	867916	Placer	Yes	8,040	6,579	7/14/20	Pipe Structural Problem/Failure

