

**California Regional Water Quality Control Board  
Central Valley Region  
Pamela Creedon, Executive Officer**



**EXECUTIVE OFFICER'S REPORT  
December 5/6, 2016**

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## SUCCESS STORIES

### IRRIGATED LANDS PROGRAM

- **Notices of Applicability**  
From 7 September to 7 November, 29 Notices of Applicability were issued to growers in the Tulare Lake Basin Area, which confirmed the enrollment of 4,001 irrigated acres. Approximately 21% of the applications for coverage were voluntarily submitted by growers, and 79% were submitted in response to enforcement activities conducted by Water Board staff.
- **COMPLETION OF IMPLEMENTED MANAGEMENT PLANS**  
Under the Irrigated Lands Regulatory Program, management plans are triggered when samples collected from a site are tested and a constituent shows two or more exceedances of the appropriate water quality limit within a 3-year period. This triggers development of a management plan by the Coalition and requires 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 11 July 2016, the Executive Officer approved the completion of four management plans for the Sacramento Valley Water Quality Coalition (Coalition), including two for *Selenastrum capricornutum*, one for chlorpyrifos, and one for diuron. In addition, the completion of a management plan for lead was approved on 22 September and a management plan for diazinon was approved on 1 November. The implemented management plans successfully eliminated water quality problems caused by discharge of agricultural pollutants into surface receiving waters. The Coalition held member meetings and conducted extensive outreach to growers to provide general and site-specific guidance regarding practices to protect water quality. Examples of new practices implemented by growers include laser leveling; cover crops; vegetated drainage ditches; filter strips; following label requirements; sediment basins; and using efficient irrigation methods. Water quality analyses showed that receiving water limits were met, demonstrating the effectiveness of implemented practices.
- **CCDEH Recognition – Eric Rapport, OWTS**  
In October, Brad Banner, President of the California Conference of Directors of Environmental Health (CCDEH) provided Eric Rapport, Senior Engineering Geologist, a Presidential Citation Award for his efforts in working with CCDEH members to develop their Local Agency Management Plans a requirement of State Board's Onsite Wastewater Treatment Policy. Scott Armstrong, Lanni Andam, Lixin Fu, Dena Calanchini, Robin Marod, Scott Hatton, and Katie Carpenter should also be commended on their efforts to implement the OWTS Policy.

### SITE CLEANUP-SUCCESSFULLY CLOSED-NO FURTHER ACTION REQUIRED

- **Grouleff Aviation, Inc., 23600 W. Manning, San Joaquin, Fresno County**  
A no further action determination was issued on 11 October 2016. Grouleff Aviation, Inc., has operated a crop dusting service at the site since the 1940's. Rinse water was disposed of to a drainage ditch prior to the 1980's. Moderate concentrations of pesticides in the vicinity of the drainage ditch were detected in an assessment conducted in 1985. During spring 2016, soil samples were collected from the former drainage ditch and analyzed for pesticides. Pesticide constituents were not detected at concentrations that could pose a threat to human health and safety or groundwater quality. A registered geologist for Moore Twining Associates, Inc., has stated that detected levels of pesticides are below levels that would require regulatory action or remediation, or present a threat to human health and safety. Staff concurred. Regional Board staff issued a public notice for closure of the site and no comments were received.

- **USEPA Releases 5-Year Review on Aerojet Superfund Site, Rancho Cordova.** On 19 October the USEPA released the first 5-year review of the Aerojet Superfund Site. The 5-Year review is a CERCLA requirement that is triggered for completion 5 years after the first Record of Decision-derived cleanup is deemed to be operational and functional. The 5-Year review looks at that remedial system's effectiveness, and all other remedial actions that have taken place to determine if they are protective. In Aerojet's case the 5-Year review was triggered by the completion of construction and operation of the groundwater remediation systems proposed in the Record of Decision for the Western Groundwater Operable Unit. The 5-Year review found that capture of the contaminant plume was not complete. This was to be expected as the plume extent and configuration is different from what was evaluated in the ROD. The 5-Year review also determined that a re-evaluation of vapor intrusion for the entire Aerojet site was needed. This requirement stems from a lowering of the risk value for TCE in the last 2 years and a lack of faith by EPA in the models that were used to evaluate vapor intrusion into indoor air, following a nation-wide look at vapor intrusion sites. USEPA, Aerojet and the State are in the process of conducting the re-evaluation of vapor intrusion risk. Aerojet is continuing with its enhancement of capture of the groundwater contaminants to eventually provide sufficient capture. (AMM)
- **Former NASA Crows Landing, Site 17 Remediation System Startup, Crows Landing, Stanislaus County.** Site 17 is the last parcel at the former NASA Crows Landing facility to be remediated. The former NASA Crows Landing facility, used by the Navy in World War II and the Korean War as an auxiliary landing field, encompasses approximately 1,500 acres, all of which, except the approximate 200 acres that comprises Site 17, has been successfully cleaned up. On 24 October 2016, the remediation system to clean up Site 17 was turned on and began operating 24 hours a day. The primary contaminant at Site 17 is carbon tetrachloride and the remediation system selected to clean up the carbon tetrachloride is enhanced in-situ bioremediation with circulation. Groundwater is being extracted from 19 extraction wells, amended with the substrate sodium lactate, and injected back into the ground via 14 injection wells. This process will distribute the sodium lactate into three aquifer zones to enhance the naturally occurring bioremediation of the carbon tetrachloride. Periodic monitoring will provide updates of the remedial progress. Remedial goals are estimated to be achieved within approximately three years.

***UNDERGROUND STORAGE TANKS (USTS) – 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. Investigation and remediation work, therefore, may be discontinued and no further action is required. This decision is generally based on site-specific information provided by the responsible party, and assumes that the information provided was accurate and representative of site conditions. Upon completion of corrective action, §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.

a) **FRESNO OFFICE**

- **Anderson Clayton, 2396 South Railroad Avenue, Fresno, Fresno County**  
Five USTs, associated fuel dispensers and product delivery plumbing were removed from the Site in July 1987. Evidence collected during the removal detected a release of petroleum product constituents into subsurface soil. Investigative work conducted in 1987 and 2016 determined that about 6,100 pounds (~1,000 gallons) of petroleum product constituents remain in top 35 feet of soil on the southeast side of the existing building. No remedial action was performed. The case was closed on 3 October 2016 in accordance with the *Low-Threat UST Case Closure Policy*.

- Carey Oil Mini Mart #2, 30 East Divisadero Avenue, Fresno, Fresno County**  
 An unauthorized release of gasoline and diesel was discovered in 1997 when six USTs and associated dispensers were removed from the Site. A series of investigative actions were conducted from 1998 until 2015 to determine the extent of the release in soil and groundwater, and to evaluate risks to human health. In August 1998 an unknown quantity of petroleum product impacted soil was excavated and removed from the Site. Operation of a soil vapor extraction system in March 2012 is estimated to have removed about 300 pounds of petroleum hydrocarbons. The case was closed on 13 September 2016, in accordance with the *Low-Threat UST Case Closure Policy*.
- Former Phoenix & Son Garage and Storage, 1601 South Union Avenue, Bakersfield, Kern County**  
 Unauthorized diesel fuel and gasoline releases were discovered in 2000 during UST removal activities. The release did not migrate to groundwater. The remaining effects of the UST release are unlikely to threaten the present use of surface water, groundwater and public health, and should continue to degrade naturally. The case was closed on 20 September 2016, in accordance with criteria contained in the *Low-Threat UST Case Closure Policy*.
- Former Snack and Gas, 6320 Lake Isabella Boulevard, Lake Isabella, Kern County**  
 An unauthorized gasoline release was discovered during 1996 when the UST system was removed. Site investigation and groundwater monitoring were conducted between 1997 and 2015 to delineate the extent and distribution of gasoline constituents in soil and groundwater, and evaluate risks to human health. About 108 pounds of petroleum vapor was removed by dual phase extraction during 2013 and 2014. The case was closed on 20 September 2016, in accordance with the *Low-Threat UST Case Closure Policy*.
- Former Blair Air Services, 13256 10th Avenue, Hanford, Kings County**  
 An unauthorized aviation gasoline release was discovered in 1988 during the removal of three USTs. Soil, groundwater, and soil vapor investigation was conducted from 1988 until 2014 to determine the extent of petroleum impacts and evaluate risks to human health. In September 2014, about 202 cubic yards of soil impacted with about 16,500 pounds (~2,600 gallons) of petroleum hydrocarbons were removed and disposed of properly. The case was closed on 30 August 2016, in accordance with the *Low-Threat UST Case Closure Policy*.

b) **REDDING OFFICE**

- Warner Chevron, 151 Crescent Street, Quincy, Plumas County, Case No. 320063**  
 The Site is an operating gas station. In 1986, Chevron removed five underground storage tanks (USTs) from the parcel. Associated soil and groundwater testing showed impacts to groundwater near the gasoline UST. In 1987, four double-wall steel USTs (three gasoline and one diesel), piping, and dispensers were installed at the Site. In 2000, the Quincy Community Services District (QCSD) shut down the Norton Well due to taste and odor complaints; samples collected from the well in May and July 2001 contained methyl tert butyl ether (MTBE) at a maximum concentration of 3.3 micrograms per liter (ug/L). The adjacent Spanish Creek Motel well also contained low levels of MTBE. Investigations conducted in 2003 indicated that the pollution associated with the Site threatened the identified receptor wells. By early 2006, the monitoring wells began showing ethanol detections, indicating a recent gasoline release. In March 2007, the Central Valley Water Board issued Cleanup and Abatement Order R5-2007-0707. Subsequently, in August 2007, 30 wells were installed in three different groundwater zones to assess the extent of contamination. Quarterly groundwater monitoring was conducted from 2003 until 2008 and again in June 2015. The most recent sampling event indicated that the plume is delineated and that concentrations are decreasing. Remaining concentrations of petroleum hydrocarbons are of limited extent and have decreased significantly since 2008. As per a June 2016 conversation with QCSD, the Norton Well will be discontinued from service and permitting. The Site meets the Low-Threat Closure Policy criteria and was closed in October 2016. Cleanup and Abatement Order R5-2007-0707 was rescinded.

- **Williams Texaco, 100 East 12<sup>TH</sup> Street, Alturas, Modoc County, Case No. 250010**

The Site is an operating gas station with a petroleum release associated with an underground storage tank (UST) and dispenser system that was removed in 1989. Initial site assessment in 2001 identified soil impacts at depths of 6 to 12 feet and groundwater impacts in the southern portion of the Site (source area) that extend immediately south of the Site. Monitoring and investigations conducted between 2001 and 2015 indicate that: the petroleum contamination is naturally attenuating; the groundwater plume has not migrated far from the source area; and the plume remains in the upper groundwater zone (above a depth of 25 feet). By 2015, total petroleum hydrocarbons as gasoline (TPH-g) concentrations in source area groundwater had decreased from 11,000 to 630 micrograms per liter (ug/L) and methyl tert butyl ether (MTBE) concentrations had decreased from 1,200 to 180 ug/L. Off-site concentrations of petroleum contaminants are either at non-detect levels or below water quality objectives. Based on the available information, remaining petroleum hydrocarbons at the Site do not pose a significant threat to human health and the environment. The Site meets the Low-Threat Closure Policy criteria and was closed in October 2016.

c) **SACRAMENTO OFFICE**

- **Chicago Park Store, 19079 Colfax Highway, Chicago Park, Nevada County**

In 1999 the UST system was removed from this convenience store and former gas station and an unauthorized release of petroleum was discovered. Since 2002 the former gas station owners have conducted a subsurface investigation and remediated petroleum impacts through active remediation and soil excavation. The remaining petroleum pollution in groundwater extends about 130 feet down-gradient of the former leaking USTs, is decreasing in size, and will continue to attenuate with time. The site was closed on 30 August 2016.

- **Unocal # 4775, 445 Roseville Square, Roseville, Placer County**

In November 1991 a defective hydraulic hoist was replaced and results of soil samples indicated that an unauthorized release of petroleum had occurred. Approximately 168,000 pounds (26,800 gallons) of petroleum hydrocarbons have been removed through active remediation. The remaining petroleum constituents in groundwater are expected to attenuate to below water quality objectives within 10 years. The site was closed on 11 October 2016.

## **Local Agency UST Closures with Concurrence of Board Staff**

### **Sacramento County**

- Tosco (76) Station #5828, 2400 15<sup>th</sup> Street, Sacramento
- Shell Branded Service Station, 7741 Auburn Boulevard, Citrus Heights
- Former Unocal #7173, 3100 Folsom Boulevard, Sacramento

## STAFF RECOGNITION

### SACRAMENTO OFFICE

September 2016

**Candidate:** Cori Condon  
**Unit:** UST Enforcement 1  
**Title:** Senior EG  
**Supervisor:** Brian Newman

Cori Condon is a Senior Engineering Geologist working in the Central Valley Water Board's Rancho Cordova office. Cori has worked at the Regional and State Boards for over 28 years and is a highly respected member of the Underground Storage Tank Program.

In addition to managing UST Enforcement Unit 2, Cori has taken the lead on a number of difficult and controversial UST cases, including Frank's One Stop from which a UST release impacted multiple domestic supply wells in a disadvantaged community. The case was enrolled in the Emergency, Abandoned and Recalcitrant Account program with the intent of hiring a contractor to connect 15 residences with impacted or threatened wells to a municipal water supply this past summer. Due to contract problems at the Department of General Services, the contract with the contractor lapsed in mid-2016. Through sheer force of will and personality Cori took on many of the contractor's duties herself including public outreach, Offers to Connect and Access Agreements. Through Cori's efforts the project has remained on schedule and it is expected that work on the water connections will begin once a new contract is finalized.

Cori has a positive attitude and works closely with her staff providing training and mentoring. For Cori's work in the UST program she is being recognized as an Employee of the Month.

**Candidate:** Renee Smith  
**Unit:** Program Support/Confined Animals  
**Title:** Staff Services Analyst  
**Supervisor:** Brett Braidman/Charlene Herbst

Renee has done an excellent job on a wide variety of projects in different units throughout the Rancho Cordova office. She quickly understands complex assignments and is always willing to learn new things.

Renee Smith was hired as a Staff Services Analyst more than a year ago and has continually excelled in a variety of assignments working with different units throughout the Rancho Cordova office. Initially, she was asked to provide program support in the NPDES unit. She is now assisting the Confined Animals unit with the review of annual reports. Renee quickly grasps complicated assignments and produces accurate, timely work.

Renee also provides valuable assistance to Region 5 functioning as the Training Liaison, helping staff in all three offices quickly secure spots for upcoming training classes. Recently, Renee has provided invaluable backup support to our personnel specialist Steve Thompson and learning the ins and outs of the following personnel processes: timesheet approval, RPAs, Job Ad's, ECOS and understanding the State Board's role and who the appropriate contacts are.

Renee's positive attitude, and willingness to tackle new assignments make her an outstanding asset to the Sacramento office and to the Central Valley Regional Board as a whole.

**Candidate:** 303(d)/305(b) Integrated Report Team  
**Unit:** Multiple units: Nonpoint Source, TMDL and Basin Planning Units  
**Title:** Jay Simi, Water Resources Control Engineer  
Gene Davis, Engineering Geologist  
Sammy Mello, Scientific Aid  
Amanda D'Elia, Environmental Scientist  
Holly Grover, Environmental Scientist  
Dan Little, Water Resources Control Engineer  
Hien Tran, Associate Governmental Program Analyst  
**Supervisors:** Michelle Wood, Danny McClure, Anne Littlejohn, Patrick Morris

The Integrated Report Team is being nominated for this month's Employee Recognition Award for their outstanding and tireless efforts to complete the 303(d)/305(b) Integrated Report. The report represents a truly epic effort by a very hard-working team! The Integrated Report team completed more than 11,000 individual waterbody-pollutant assessments, which is more than a five-fold increase compared to the previous reports. The assessment results presented in this report have important regulatory implications that affect many programs in our agency because they identify which water bodies have impaired water quality and require follow-up actions to address their impairments.

Jay Simi and Gene Davis were the technical and GIS leads for this project. They worked with more than 15 staff and managers at the State and Central Valley Water Boards and other regions during the past four years to develop consistent and appropriate assessment methodologies. Ultimately nearly 20,000 lines of evidence were generated that summarize the different water quality data sets and assessments for more than 600 water bodies and more than 200 pollutants.

During the past year, Jay and Gene were joined by Sammy Mello, Amanda D'Elia, Holly Grover, Dan Little and Hien Tran to complete the assessments in a centralized database system. This effort involved learning many new assessment and database skills in a limited amount of time, attention to detail, and problem-solving for the more complicated pollutant assessments and database glitches. This award gives us the opportunity to express our gratitude to Jay, Gene and the entire Integrated Report Team.

**FRESNO OFFICE**  
**September, 2016**

**Candidate:** Fresno Surface Water Ambient Monitoring Program Team, Harmful Algae Bloom Response  
**Unit:** SWAMP Program  
**Title:** Singleton Thibodeaux-Yost, Project Assistant  
Zaira Lopez-Narvaez, Scientific Aid  
Pritesh Patel, Scientific Aid

**Supervisor:** Daniel L. Carlson

In August 2016, the Fresno Surface Water Ambient Monitoring Program (SWAMP) staff responded to a report of a harmful algae bloom in Lake Isabella and the Kern River in Kern County. The Team responded very quickly by collecting water samples the same day. Within 24 hours, the samples underwent microscopic analysis in Rancho Cordova which identified the presence of potentially harmful cyanobacteria (algae). Additional sampling followed with staff reading the draft sampling protocol document reroute to the sites. Samples were also collected jointly with staff of the Kern County Public Health Services, Environmental Health Division and tested for cyanobacteria toxins with test strips and subsequent analysis by a US EPA laboratory. As a result, Kern County posted warning signage in affected areas of Lake Isabella and the Kern River. Staff performed follow-up site reconnaissance, and documented the response efforts. This team effort is emphasized due to the collective efforts of all involved, the fast response, and the distances traveled to address the potential threat to public health.

**REDDING**  
**September, 2016**

**Candidate:** Melissa Buciak  
**Unit:** Groundwater  
**Title:** Engineering Geologist  
**Supervisor:** Kate Burger

Melissa Buciak is an Engineering Geologist with the Redding Office's Groundwater Unit. Since volunteering to be Redding's lead staff for the Compost General Order, she has developed a thorough understanding of the General Order and is the case manager for Redding's eight compost facilities.

Last winter Melissa visited each known or suspected compost facility to learn about their process and to begin establishing working relationships with facility and County representatives. Because of her efforts, she was able to obtain responses from all operators. By mid-September, Melissa had issued four Notices of Non-Applicability, two Notices of Applicability, and two 13260 Orders. In September, she also prepared a package to rescind the existing individual WDRs for one of these facilities.

As expected, the new General Order generated a number of technical and programmatic questions. Melissa worked with management to ensure consistent interpretations and directions were made. Melissa has fielded a number of calls from external stakeholders regarding the Compost General Order, some of whom have taken the time to contact Redding's Assistant Executive Officer to share the positive interactions they have had with Melissa.



## PERFORMANCE MEASURES

Performance measurement and reporting is an important component of a complete system of performance management needed to demonstrate how well programs or strategies are working and why. Information obtained through better performance measurement and program evaluation provides insight that enables us to understand and replicate successes, and continuously improve programs. To this end, the Water Boards establish annual performance targets for key output measures. In effect, these targets are goals that establish measurable levels of performance to be achieved within a specified time period. The Water Board has a systematic target setting approach for several of its programs. Using this new method, performance targets are based on available resources and uniform cost factors for key workload outputs. This target setting approach is described in the link below and was used to develop the FY 2016-2017 performance targets [http://www.waterboards.ca.gov/about\\_us/docs/resource\\_alignment\\_report.pdf](http://www.waterboards.ca.gov/about_us/docs/resource_alignment_report.pdf)

Region 5 Performance Measurement Summary from 1 July 2016 to 31 October 2016						
Programs	Original Target	* Actuals: Permits or Facilities Inspected	% Complete = Actuals/Original Target	Revised Target	** Total # of Inspections Performed	Comments
<b>NPDES Wastewater</b>						
Major Individual Permits Issued, Revised, and Renewed	11	0	0%	n/a	n/a	The majority of NPDES permits are scheduled for the latter half of the fiscal year.
Major Individual Facilities Inspected	25	7	28%	n/a	7	
Minor Individual Permits Issued, Revised, and Renewed	11	2	18%	n/a	n/a	The majority of NPDES permits are scheduled for the latter half of the fiscal year.
Minor Individual Facilities Inspected	16	6	38%	n/a	6	
Minor General Enrollees Facilities Inspected	0	1	N/A	n/a	1	
<b>Waste Discharge to Land – Wastewater</b>						
Municipal Waste, Industrial Waste, and All Other Facilities - Permits Past Review Date Updated	20	4	17%	24	n/a	In the first part of the fiscal year, the staff have been reviewing the Local Area Management Plans (LAMPs) submitted by local agencies in response to the Onsite Wastewater Treatment systems (OWTs) policy. To date, staff have completed reviews of 93% of the received LAMPs. The approvals of LAMPs will be occurring over the next three Board Meetings, but staff still anticipate meeting the current fiscal year's permitting target.
Municipal Waste, Industrial Waste, and All Other Facilities - Number of Inspections	145	67	48%	n/a	70	
<b>Land Disposal</b>						
Landfills Permits Issued, Revised, and Renewed	11	1	9%	n/a	n/a	Staff anticipate that the target will be met.
Landfill Inspections	103	20	29%	n/a	30	
All Other Permits Issued, Revised, and Renewed	2	2	100%	n/a	n/a	
All Other Inspections	20	6	30%	n/a	6	
<b>NPDES Storm Water</b>						
Stormwater Construction Inspections	289	51	20%	n/a	59	
Stormwater Industrial Inspections	195	34	17%	n/a	34	It is anticipated that the target will be met.
Stormwater Municipal Inspections	0	0	N/A	n/a	0	
<b>Other Programs</b>						
Timber Harvest Inspections	166	61	38%	n/a	63	
Confined Animal Facility Inspections	280	47	18%	n/a	51	
<b>Clean Up</b>						
New DoD Sites Into Active Remediation	15	2	13%	n/a	n/a	A large percentage of DoD sites are scheduled to initiate remediation in the fourth quarter of the current fiscal year.
New SCP Sites Into Active Remediation	84	7	8%	n/a	n/a	A large percentage of SCP sites are scheduled to initiate remediation in the fourth quarter of the current fiscal year.
Cleanup Program Sites Closed	68	51	75%	n/a	n/a	A significant number of sites at the McClellan AFB that were targeted for closure in the 15/16 fiscal year were closed early in the 16/17 fiscal year.
New UST Sites Into Active Remediation	29	10	34%	n/a	n/a	
Underground Storage Tank Sites Closed	80	25	31%	n/a	n/a	
* Actuals: Number of facilities inspected or permits issued.						
** Total #: Number of inspections completed including all reinspections.						

## ENFORCEMENT

Enforcement is a critical ingredient in creating deterrence needed to encourage the regulated community to anticipate, identify, and correct violations. Appropriate penalties and other consequences for violations offer some assurance of equity between those who choose to comply with requirements and those who violate them. It also improves public confidence when government is ready, willing, and able to back up its requirements with action. This section of the Executive Offer's Report (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) notable enforcement actions; 2) a summary of orders issued; and, 3) a summary of all enforcement actions issued.

- 1) Notable Enforcement Efforts** – This section provides information on Central Valley Regional Water Quality Control Board efforts that are noteworthy but may not otherwise be included in the other sections of this report.

**Southern California Edison to Pay \$3 Million for Clean Water Act, Fish and Game Violations at Shaver Lake Dam Project.** On 6 October 2016, operating under his delegated authority, the Assistant Executive Officer for the Central Valley Regional Board approved a Stipulated Order (R5-2016-0535) against Southern California Edison for violations stemming from a repair project at Shaver Lake Dam that caused the discharge of highly-turbid, sediment-laden water resulting in thousands of fish being killed and irreparable impairment of downstream aquatic habitat.

As part of the settlement, Southern California Edison agrees to pay \$2,077,053 to the Central Valley Water Board for the alleged Water Code violations, and \$922,947 to CDFW to resolve alleged Fish and Game Code violations. Of the \$2,077,053 paid to the Central Valley Water Board, \$1,038,553 will be paid to the State Water Resources Control Board's Cleanup and Abatement Account; the remaining amount will be split equally to fund a suite of environmental projects implemented by the Rose Foundation for Communities and the Environment and the National Fish and Wildlife Foundation benefitting communities in Kern, Madera, Fresno and Tulare counties. These environmental projects will address water quality issues and habitat restoration.

The Press Release for this Settlement and Stipulated Agreement can be found at: [http://www.waterboards.ca.gov/press\\_room/press\\_releases/2016/pr100716\\_sce\\_enforcement.pdf](http://www.waterboards.ca.gov/press_room/press_releases/2016/pr100716_sce_enforcement.pdf)

### **Enforcement All-Staff Training**

On 31 October through 1 November 2016 the State Water Board's Office of Enforcement (OE) conducted a training event for all State and Regional Board staff working in enforcement. The training was attended by approximately 50 staff from the Central Valley Region and included topics such as: revisions to the State Water Boards' Enforcement Policy; best practices on evidence gathering; and specific case study discussions. Central Valley Regional Board staff will continue to pursue training opportunities whenever appropriate to ensure that the Water Board's Regulations, Policies, and Orders are enforced in a fair, firm, and consistent manner.

- 2) Orders Issued or Adopted** – Enforcement Table 1, included below, provides a summary of all of the Enforcement Orders (Cleanup and Abatement Orders; Cease and Desist Orders; 13267 Investigative Orders; and Administrative Civil Liability Complaints and Orders) that have been issued by the Central Valley Regional Board since the previous EO Report and that are recorded in the California Integrated Water Quality System (CIWQS) database.

Date	Agency	County	Notes
9/12/2016	John Pereira Jr.	Tulare	Administrative Civil Liability (ACL) Complaint R5-2016-0564 in the amount of \$64,596 for failure to submit annual reports in accordance with Dairy General Order R5-2007-0035.
9/14/2016	Schreiner Brothers Farms Partnership	Sutter	ACL Order R5-2016-0537 issued in the amount of \$100,000 for discharges of sediment-laden water into the Sacramento River and into the East Canal, and for failure to submit monitoring reports. \$50,000 shall be paid to the State Water Board Waste Discharge Permit Fund and Cleanup and Abatement Account; the remaining \$50,000 shall be paid to the Rose Foundation for disbursement and administration of a Supplemental Environmental Project (SEP).
9/14/2016	CMC Landholdings, LLC	Stanislaus	ACL Complaint R5-2016-0539 in the amount of \$1,262,800 alleging that the Discharger violated the Reissued General Order on 20 November 2015 when approximately 3,436,000 gallons of dairy wastewater was released when a portion of the south embankment the wastewater storage pond failed.
9/27/2016	City of Lodi	San Joaquin	ACL Complaint R5-2016-0558 in the amount of \$3,000 for an effluent limitation violation that occurred between 1 January 2014 and 30 June 2016.
9/27/2016	City of Davis	Yolo	ACL Complaint R5-2016-0555 in the amount of \$24,000 for effluent limitation violations that occurred between 1 January 2016 and 30 June 2016.
9/28/2016	City of Roseville	Placer	ACL Complaint R5-2016-0557 in the amount of \$12,000 for effluent limitation violations that occurred between 1 November 2012 and 30 June 2016.
9/28/2016	Donner Summit Public Utilities District	Nevada	ACL Complaint R5-2016-0561 in the amount of \$6,000 for effluent limitation violations that occurred between 1 May 2015 and 30 June 2016.
9/28/2016	City of Colfax	Placer	ACL Complaint R5-2016-0562 in the amount of \$21,000 for effluent limitation violations that occurred between 1 January 2015 and 30 June 2016.
9/29/2016	Placer County Department of Facility Services	Placer	ACL Complaint R5-2016-0556 in the amount of \$18,000, which represents the sum of Mandatory Minimum Penalties (MMPs) for effluent limitation violations that occurred between 1 July 2015 and 30 June 2016. There are 6 total violations subject to MMPs.
9/30/2016	Olivehurst Public Utilities District	Yuba	ACL Complaint R5-2016-0559 in the amount of \$3,000 for an effluent limitation violation that occurred from 1 January 2013 through 30 June 2016.
10/4/2016	City of Jackson	Amador	ACL Complaint R5-2016-0560 in the amount of \$24,000 for effluent limitation violations that occurred between 1 January 2016 and 30 June 2016.
10/6/2016	Southern California Edison – Shaver Lake	Fresno	ACL Order R5-2016-0535 in the amount of \$3,000,000 for discharges to Stevenson Creek. In accordance with the Stipulated Order, \$2,077,053 will go to the Central Valley Water Board and \$922,947 will go to the California Department of Fish and Wildlife.

3) **Enforcement Update** – Enforcement Table 2, included below, summarizes the enforcement actions issued in all the Regions since the last EO Report (10 September through 31 October 2016). From a statewide perspective, Region 5 was responsible for 33% of all the enforcement actions tracked in CIWQS during this period including 45% of all NOVs and 25% of all ACLs.

Region / Office	Enforcement Actions						Total
	VER	SEL	NOV	NNC	CAO	ACL	
1	0	0	1	0	2	0	3
2	0	0	22	0	0	15	37
3	0	1	4	1	0	1	7
4	1	0	13	110	0	14	138
5F	0	0	7	0	0	2	9
5R	0	1	2	13	0	0	16
5S	4	0	24	306	0	10	344
<b>RB5 Total</b>	4	1	33	319	0	12	369
6	2	5	0	0	0	1	8
7	0	6	0	31	0	1	38
8	16	33	0	423	0	0	472
9	0	36	0	0	0	4	40
<b>Total</b>	<b>23</b>	<b>82</b>	<b>73</b>	<b>884</b>	<b>2</b>	<b>48</b>	<b>1,112</b>
<b>Enforcement Actions:</b>							
VER = Verbal Communication			CAO = Cleanup and Abatement Order				
SEL = Staff Enforcement Letter			CDO = Cease and Desist Order				
NOV = Notice of Violation			ACL = Administrative Civil Liability				
NNC = Notice of Non-Compliance (Stormwater)							

## SANITARY SEWER OVERFLOWS, COMPLAINTS AND SPILLS

### Sanitary Sewer Overflows (SSOs) in Excess of 50,000-gallons

Due to an update in the State Water Board's California Integrated Water Quality System (CIWQS), Central Valley Regional Board staff was unable to run a report for SSO spills that occurred in August and September of 2016. However, a review of the data indicates that there were no SSO events resulting in spills in excess of 50,000-gallons during this period. The SSO report for this period will be included in the subsequent Executive Officer's Report.

### 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 webpage at: [http://www.waterboards.ca.gov/water\\_issues/programs/sso/index.shtml](http://www.waterboards.ca.gov/water_issues/programs/sso/index.shtml). 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*).

## COMPLAINTS AND OTHER WATER QUALITY THREATS OR IMPACTS

### CalEPA Complaints

Central Valley Regional Board staff is responsible for responding to complaints related to water quality within the Central Valley Region as they are received by the online California Environmental Protection Agency (CalEPA) Environmental Complaint Database: <https://calepacomplaints.secure.force.com/complaints/>.

So far in the 2016 calendar year, the Central Valley Water Board has received **144** complaints from the CalEPA database. Of the 144 complaints received, **125 (87%)** have been investigated and closed, or referred out to another environmental enforcement agency. Investigations for the remaining **19** complaints received this year are ongoing.

### Madera County #22A-Oakhurst WWTF, Oakhurst, Madera County

On 26 September 2016, the Madera County Public Works Department reported to the Governor's Office of Emergency Services a spill of secondary-treated and disinfected wastewater effluent from the Oakhurst Wastewater Treatment Facility (WWTF). The spill occurred because of a break in a force main connecting the WWTF to a large effluent storage reservoir. Effluent stored in the reservoir drained through the break and spilled to the surrounding area. The flow reached the Fresno River, a water of the United States, although the river was reportedly dry at the time of the spill. The estimated spilled volume was 9.771 million gallons, based on the last known volume of effluent stored in the reservoir and daily WWTF flows into the reservoir in the days leading up to the spill. Central Valley Water Board staff responded and observed the break, the effluent path to the river, and the first half-mile of impacted river bed. California Department of Fish and Wildlife staff was also present. A Notice of Violation and consideration of enforcement options is in progress by Central Valley Water Board staff

## DELTA ACTIVITIES

### 1. **Delta Mercury Exposure Reduction Program**

The Delta Mercury Exposure Reduction Program (MERP) is a collaborative effort of the Central Valley Water Board, California Department of Public Health, the Delta Conservancy, and the Office of Environmental Health Hazard Assessment. It is supported by funds from the Cleanup and Abatement Account and Delta dischargers. The goal of the Delta MERP is to protect public health by reducing exposure to mercury in fish caught in the Delta.

The MERP Steering Committee (comprised of staff from the four collaborating agencies) met on 27 September 2016 to discuss key components for the 2017 Activity Plan. Posting of the new advisory signs developed by MERP for the Delta is scheduled to take place at the end of Winter 2016, however there may be delays due to adequate staffing.

Staff from the two community-based organizations that received small grants for FY16/17, the Asian Pacific Self-Development and Residential Association (APSARA), and the Yolo County Children's Alliance (YCCA), successfully completed a Media Training class provided by California Department of Public Health on 18 October 2016. Participants gave positive reviews for the training. This class will be helpful in getting the mercury exposure reduction message across when community sign-posting events are held and members of the media talk to staff from the participating community-based organizations.

The Community Guide on Health and Benefits of Eating Seafood, an interactive educational tool developed by the California Department of Public Health, is now online. The tool can be accessed through this link: [http://www.cdph.ca.gov/HealthInfo/environhealth/water/Community%20Guide/presentation\\_html5.html](http://www.cdph.ca.gov/HealthInfo/environhealth/water/Community%20Guide/presentation_html5.html)

### 2. **Delta Regional Monitoring Program (RMP)**

Mercury monitoring in the Delta started in August 2016 to inform the review of the Delta Methylmercury TMDL in 2020. An important element of this work is the co-location of fish and water sampling sites to better understand the uptake of mercury into the food web. The goal of this monitoring is to begin to characterize current conditions and ambient concentrations of total mercury and methylmercury in fish and water, particularly in subareas likely to be affected by new potential methylmercury sources (e.g., large-scale restoration projects).

On 30 September 2016, the RMP held a Nutrient Monitoring Workshop to 1) Identify how much of the nutrient monitoring needed to answer the Delta RMP assessment questions is already happening through existing programs, and 2) Identify critical nutrient data gaps for the RMP and develop "no regrets" monitoring plans to fill them. The operational definition of "no regrets" activities for this report are actions that fill a clear gap in the networks of fixed monitoring stations, provide necessary data for models, meet any other obvious baseline monitoring and analysis needs, and/or follow a flexible and adaptable design that can inform future nutrient questions. The final deliverable is a summary report titled *Summary of Existing Nutrient Monitoring Programs, Data Gaps, and Potential Delta RMP "No Regrets" Monitoring Activities*. The report synthesizes the findings and recommendations from the workshop. The report provides a list of options for "no regrets" monitoring activities and their approximate costs. The Technical Advisory Committee is currently reviewing the monitoring options for FY2017/18. The RMP Nutrient Workshop was coordinated with other nutrient monitoring work planned by the Delta Science Program and the Delta Nutrient Research Plan workshop (planned for 29 and 30 November).

On 18 October 2016, the Delta RMP Steering Committee and Technical Advisory Committee held a joint meeting to discuss multi-year planning process for the program. The Delta RMP Committees also discussed the *Independent Panel Review of the Delta Regional Monitoring Program (Delta RMP) Monitoring Design - Phase I: Initial Report*, a report to the Delta Science Program. In brief, the charge asked the panelists 1) if the Monitoring Design is adequate to answer the management and assessment questions, and 2) to recommend scientific criteria for distributing limited resources towards monitoring. Suggestions from the panel were considered when making decisions regarding the multi-year budget planning for the program. The Delta RMP Committees also coordinated on providing responses to questions from the panelists. The final report from the panel is expected in March 2017.

The Delta RMP Committees approved a short list of eligible studies for Supplemental Environmental Project (SEP) funding. The projects approved for this fiscal year are currently underfunded portions of the Delta RMP monitoring design. This list will be updated at least annually by the Steering Committee.

3. **Delta Nutrient Research Plan**

A workshop on the importance of nutrient forms (particularly ammonia and nitrate) and nutrient ratios (nitrogen: phosphorous concentrations) in regulating the abundance and variety of phytoplankton species will occur on 29 November at the CalEPA building. During the workshop, researchers involved in laboratory and field studies in the Delta and Suisun Bay will present their work before an external, expert panel. The panel will meet the following day to begin work on a white paper on the nutrient forms and ratios topic. A draft white paper is anticipated to be available for review in early 2017. The Delta Science Program, San Bay Nutrient Management Strategy, Regional San, and State and Federal Water Contractors Agency provided support for the workshop and panel.

The Nutrient Research Plan's Stakeholder and Technical Advisory Group is meeting on 7 November to discuss the workshop and its outcomes.

Information about the workshop and the other white paper that have been produced for developing the Delta Nutrient Research Plan are available at the Water Board website:

[http://www.waterboards.ca.gov/centralvalley/water\\_issues/delta\\_water\\_quality/delta\\_nutrient\\_research\\_plan/index.shtml](http://www.waterboards.ca.gov/centralvalley/water_issues/delta_water_quality/delta_nutrient_research_plan/index.shtml) .

4. **San Joaquin River Dissolved Oxygen TMDL Implementation – Aeration Facility**

Dissolved oxygen concentrations in the Stockton Deep Water Ship Channel (dredged portion of the San Joaquin River) are monitored at the Department of Water Resources Rough and Ready Island water quality monitoring station. The Port of Stockton owns the aeration facility and operates the aerator when dissolved oxygen concentrations are measuring below the dissolved oxygen water quality objective. The dissolved oxygen water quality objective for the period September through November is 6.0 mg/L. In September, the aerator was operated from September 1 to 8 and from September 16 to 23 to insure the objective was met. In October, dissolved oxygen concentrations were measured above the objective and the aeration facility was not operated.

**Delta Program Meeting Participation**

On 4 October, Janis Cooke attended a workshop introducing the State Water Board's Sacramento Water Allocation Model (SacWAM).

## SALINITY AND CV SALTS

### 1. **Central Valley Salinity Alternatives for Long-Term Sustainability (CV-SALTS)**

The CV-SALTS Executive Committee is finalizing components of the draft Salt and Nitrate Management Plan (SNMP) that is scheduled for submittal to the Board at the end of 2016. Two days of meetings occurred in September with the first day focused on the Revised Salinity Management Strategy and the Salinity Variance Policy. The second day focused on the draft SNMP Implementation sections, updated Policy and Strategy, and key glossary terms. The Policy and Strategy documents are key components of the Draft SNMP. The October policy meeting focused on CEQA documentation for the SNMP and developing a prioritization strawman for implementing the Nitrate Permitting Strategy. Final draft copies of the documents under discussion can be found at:

<http://www.cvsalinity.org/index.php/docs/central-valley-snmp/draft-snmp.html>

Meetings of the Lower San Joaquin River (LSJR) Committee were not held in September or October. The draft Staff Report for the proposed Amendment to the Basin Plan for LSJR salinity WQOs was shared with the Committee in late October for a discussion at a meeting on 3 November 2016. A public notice of opportunity to comment and public hearing was sent out in October for a split hearing process to consider adoption of the proposed Basin Plan Amendment. A public version of the draft Staff Report will be available on 4 November 2016. The comment period for the draft document ends on 19 December 2016. The Board will receive oral comments at a public hearing on 5/6 December 2016. The Board will consider adoption of the proposed Basin Plan Amendment at the 23/24 February 2017 Board meeting.

Information on the proposed Amendment projects can be found at: [http://www.waterboards.ca.gov/centralvalley/water\\_issues/salinity/index.shtml](http://www.waterboards.ca.gov/centralvalley/water_issues/salinity/index.shtml)

A brief summary of all CV-SALTS technical projects can be found under the CV-SALTS website at: <http://www.cvsalinity.org/index.php/committees/technical-advisory/technical-projects-index.html>

### 2. **CV-SALTS Meeting Participation**

On 14 and 15 September, Pamela Creedon, Clay Rodgers, Adam Laputz, and Jeanne Chilcott participated in the CV-SALTS Executive Committee Policy Meeting which was focused on review of several draft Policy and Strategy issue documents and the draft SNMP.

On 16 September, Pam Buford participated in the CV-SALTS Executive Committee Administrative meeting which focused on administration and updates on technical projects progress.

On 23 September, Glenn Meeks and Pam Buford participated in the CV-SALTS Project Committee meeting on the Aggressive Restoration Scenario work for the Economic Analysis document.

On 27 September, Glenn Meeks and Pam Buford participated in the CV-SALTS Project Committee meeting that focused on review and comments on the CEQA documentation, including Antidegradation and Economic Analysis documents.

On 28 September, Pam Buford participated in the CV-SALTS Public Education and Outreach Committee meeting to initiate the committee and begin updating and developing outreach documents.

On 14 October, Glenn Meeks and Pam Buford participated in the CV-SALTS Executive Committee Administrative meeting which focused on administration and updates on technical projects progress.

On 20 October, Pamela Creedon, Karl Longley, Clay Rodgers, Jeanne Chilcott, and Glenn Meeks participated in the CV-SALTS Executive Committee Policy Meeting which was focused on review of draft CEQA documents to support the draft SNMP.



On 26 October, Glenn Meeks and Pam Buford participated in the CV-SALTS Public Education and Outreach Committee meeting to review interim communication plan and focus on development of near term outreach materials.

3. **United States Bureau of Reclamation (USBR)—Management Agency Agreement (MAA)**

A meeting of the Board-approved Real Time Management Program (RTMP) Steering Committee was held on 4 October. Also, a meeting with representatives of the USBR was held on 17 October. At these meetings, USBR staff members and the San Joaquin Drainage Authority reported that they are collaborating on submittal of a 319H Grant proposal for funds to assist with implementation of Phase 3 of the RTMP. Also, USBR provided updates on efforts to hire a new Program to Meet Standards Project Manager. A new Project Manager is anticipated in early 2017. The USBR Water Quality Coordinator position is still vacant. Other items discussed included the status of USBR website update and improvements to the RTMP forecasting tool.

4. **Evaluation of Municipal and Domestic Supply (MUN) Beneficial Use in Ag Dominated Surface Water Bodies**

The Basin Plan Amendment effort to develop a region-wide MUN evaluation process in Ag dominated surface water bodies continues to progress with the development of a draft Staff Report. Staff provided an overview of the proposed Basin Plan Amendment at a public workshop to the Central Valley Water Board on 17 August 2016. The workshop presentation focused on the implementation section and key issues of the amendment. Feedback from workshop participants and Board members will be considered in future versions of the draft Staff Report which is scheduled for release in early January 2017. The Board is currently scheduled to receive oral comments at a public hearing on 23/24 February 2017, with consideration of adoption in June 2017.

More information on the project can be found at:

[http://www.waterboards.ca.gov/centralvalley/water\\_issues/salinity/mun\\_beneficial\\_use/index.shtml](http://www.waterboards.ca.gov/centralvalley/water_issues/salinity/mun_beneficial_use/index.shtml)

## TMDL BASIN PLANNING

### 1. **Pyrethroid Basin Plan Amendment and TMDL Stakeholder Meetings**

On 26 September, Tessa Fojut, Danny McClure, Jeanne Chilcott, and Adam Laputz held a stakeholder meeting on the Central Valley Pyrethroid Pesticide TMDL and Basin Plan Amendment. The purpose of the meeting was to provide an update on the status and schedule for this project and to discuss draft Basin Plan amendment language developed following the August 2016 Board Workshop. Also discussed was the Board's ongoing contract with UC-Davis to develop five pesticide water quality criteria by April 2017 and stakeholder review and comments on the draft criteria documents.

On 5 October, Tessa Fojut, Danny McClure, and Jeanne Chilcott held a stakeholder meeting on the Central Valley Pyrethroid Pesticide TMDL and Basin Plan Amendment. The purpose of the meeting was to discuss alternatives for TMDL numeric target and prohibition trigger values. Staff and several stakeholders presented information on this topic.

### 2. **Draft Fipronil Criteria Document Available for Comment**

Draft quality criteria for the insecticide fipronil, have been developed by contractors at UC Davis and were posted for public comment on 21 October 2016. Fipronil is an urban use insecticide and has been detected at levels of concern in both water and sediment samples in the Central Valley and throughout California. Water quality criteria for the protection of aquatic life were derived for fipronil and four degradates using the UC Davis Method. Draft criteria were derived for aqueous concentrations and interim values were also derived for sediment concentrations, however, the primary findings from the sediment evaluation were identification of available toxicity data and need to remedy significant data gaps. Comments on the draft criteria are due 20 January 2017. Draft water quality criteria will also undergo peer review before being finalized in March 2017. The draft criteria documents are available at

[http://www.waterboards.ca.gov/centralvalley/water\\_issues/tmdl/central\\_valley\\_projects/central\\_valley\\_pesticides/criteria\\_method/index.shtml](http://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/central_valley_pesticides/criteria_method/index.shtml)

### 3. **2014 Integrated Report**

The Clean Water Act Sections 303(d)/305(b) Integrated Report for the Central Valley Region will be considered as part of the statewide 2014 Integrated Report, along with the Central Coast and San Diego Regions. The 2014 Integrated Report includes surface water quality data assessments and Clean Water Act Section 303(d) listing recommendations (identification of impaired water bodies). The draft Central Valley Integrated Report was released for public review for a 31-day public comment period that began on 19 September 2016 and ended on 20 October 2016. Central Valley Water Board staff held a Public Workshop in Redding, California on 14 October 2016, to receive comments on the draft recommendations. The draft Central Valley Integrated Report and 303(d) List are scheduled to be considered at a Central Valley Water Board hearing in December 2016 for approval of the 303(d) List and transmission of the 303(d) List and supporting Integrated Report to the State Water Board.

## **DAIRIES/CONFINED ANIMAL FACILITIES**

### **Inspections**

Staff has completed approximately 70 dairy inspections for FY 2016/17 so far, including 60 compliance inspections. This outcome is on track to meet our performance target, but not in alignment with the goal of inspecting each CDQAP-certified dairy once every five years, and non-certified dairies once every three years. The reason for doing fewer inspections this year is to focus resources on the more immediate goal of completing General Orders for Bovine Feedlots and Poultry Facilities, as well as to pursue a number of high priority enforcement cases. Staff will eliminate the inspection backlog in the coming years. In the meantime, we will prioritize inspection efforts on dairies that are more likely to have issues based on previous inspections, as well as on dairies that are in close proximity to sensitive receptors such as community drinking water supplies.

## OIL FIELDS

### 1. Waste Water Surface Ponds

Staff continues to work on modifications to the General Orders presented to the Board at its August meeting, and intends to bring them back to the Board for consideration in April 2017.

Revised monitoring and reporting programs (MRPs) are continuing to be issued to oil field wastewater facilities that are regulated under individual WDRs. The MRPs are being issued in lieu of cleanup and abatement orders and require monitoring of groundwater, effluent, solid wastes, and the facility itself. The MRPs also require hydrogeologic investigations that will gather data needed by the dischargers to prepare Notices of Intent for the General Orders.

### 2. Spill Response

Central Valley Water Board staff responds to oil field spills and upsets reported to the Office of Emergency Services. Five significant events occurred in September and October.

- A spill of crude oil and oil field produced wastewater, into an unnamed blue-line stream bed occurred on the Cauley lease operated by Chevron USA, Inc., in the Kern River Oil Field on 20 September 2016. The cause of the spill was reported as the failure of a pipeline. Reportedly, approximately 10.5-gals of crude oil and 3.5-bbls of wastewater were discharged. Staff inspected the spill site at two separate occasions to ascertain the conditions of the affected areas after cleanup work. As of 6 October 2016, affected soil was removed and the cleanup was completed.
- A spill of crude oil, into an unnamed blue-line stream bed occurred on the Section 3 lease operated by Chevron USA, Inc., in the Kern River Oil Field on 24 September 2016. The cause of the spill was reported as the failure of a pipeline. Reportedly, approximately 0.25-bbl of crude oil was discharged. Staff inspected the spill site at two separate occasions to ascertain the conditions of the affected areas after cleanup work. As of 6 October 2016, affected soil was removed and the cleanup was completed.
- A spill of crude oil and oil field produced wastewater, into an unnamed blue-line stream bed occurred on the Section 36W lease operated by Chevron USA, Inc., in the Cymric Oil Field on 30 September 2016. The cause of the spill was reported as the failure of a pipeline. Reportedly, the failed pipeline leaked at two locations and discharged approximately 0.79-bbl of crude oil and 2.09-bbls of wastewater into the affected stream bed. Staff inspected the spill site to ascertain the conditions of the affected areas after cleanup work. As of 6 October 2016, affected soil was removed and the cleanup was completed.
- A spill of crude oil and oil field produced wastewater, into a dry stream bed occurred on the Central Point lease operated by Chevron USA, Inc., in the Kern River Oil Field on 6 October 2016. The cause of the spill was reported as the failure of a pipeline. Reportedly, approximately 0.36-bbl of crude oil and 4.79-bbls of wastewater were discharged. The affected stream bed was not determined to be a blue line stream bed. Staff inspected the spill site and observed clean-up activities. It was reported on 24 October 2016 that the cleanup work has been completed.
- On 16 September 2016, a concerned citizen reported to the Governor's Office for Emergency Services, alleged unauthorized discharge of cement truck wash-out fluids and possibly cement mixtures over the side of a hill directly upstream of a dry stream bed which is a tributary of Broad Creek. The concerned citizen also reported that the alleged discharge has been taking place since spring 2016. The alleged discharge site is located in the Section 8 lease operated by Chevron USA, Inc., in the Midway-Sunset Oil Field. Staff conducted an inspection to assess the alleged discharge and the extent of potential effect on the dry stream bed. Staff drafted a notice of violation that required a technical report that includes information regarding the alleged discharge, soil sampling, and profiling of waste onsite.

Staff is considering appropriate enforcement for the spills.

### 3. UIC/SB-4 Program

Staff of the UIC/SB-4 Program continues to conduct aquifer exemption reviews. Meetings are currently being scheduled with staff from all three agencies (State Board, Regional Board, and the Division) to allow direct communication/interactions in addressing the complex issues raised during the aquifer exemption review process.

Staff has recently begun to receive new proposed fracking projects for review and is reviewing proposed exemptions to area specific groundwater monitoring plans related to well stimulation activities.

In the last few weeks, Staff has received four draft project approval letters from the Division of Oil, Gas, and Geothermal Resources for proposed individual underground injection control projects.

### 4. Food Safety

The Food Safety Expert Panel (Expert Panel) held a public meeting at the Central Valley Water Board Ranhco Cordova office on 25 October. Two technical reports were released in September and October 2016 that were provided to the Expert Panel for review and consideration.

Seth B.C. Shonkoff, William T. Stringfellow, and Jeremy K. Domen released the *Hazard Assessment of Chemical Additives Used in Oil Fields that Reuse Produced Water for Agricultural Irrigation, Livestock Watering, and Groundwater Recharge in The San Joaquin Valley of California: Preliminary Results* in September 2016. The technical report identified chemicals and additives that are used during petroleum exploration and production that have the potential to be in produced wastewater used for irrigation. The data in the report originated from the 13267 orders issued by the Central Valley Water Board in May 2016. The 13267 orders were issued to companies that provide produced wastewater for irrigation, and required each company to report all chemicals and volumes that had been used since 1 January 2014. Responses to the 13267 orders are available on the Central Valley Water Board's Food Safety website at the following:

[http://www.waterboards.ca.gov/centralvalley/water\\_issues/oil\\_fields/food\\_safety/index.shtml](http://www.waterboards.ca.gov/centralvalley/water_issues/oil_fields/food_safety/index.shtml)

The *Citrus Crop Sampling and Analysis Report* was prepared by Enviro-Tox Services, Inc., on behalf of Cawelo Water District and dated 11 October 2016. The report identified constituents that had detectable concentrations in produced wastewater used for irrigation, and analyzed fruit samples for these constituents. The report analyzed a total of 20 citrus fruits, ten were collected from farmlands that used produced wastewater for irrigation and the remaining ten were collected from farmlands that did not use produced wastewater for irrigation. Cawelo Water District's toxicologist reviewed the data and concluded that the constituents were either non-detect, or the constituents had approximately the same concentration for each sample group. The reports have been made available to the public by the parties that prepared each report.

Presentations were given prepared by David Ansolabehere (Cawelo Water District), William T. Stringfellow (member of the Expert Panel), and Kelly Damewod (California Certified Organic Farmers). The Expert Panel and members of the public participated in each presentation. The agenda, presentations, and a video recording of the meeting are available on the Central Valley Water Board's Food Safety webpage (link provided above).

## GROUND WATER STRATEGY

The Addendum to the Groundwater Quality Protection Strategy (GWQ Strategy) is available on the Groundwater Quality section of the website listed below. The Addendum updates the sections of the GWQ Strategy that include statewide policies and regulations, changes or additions to the Central Valley Water Board regulatory programs, and identified completed and new actions to protect groundwater quality. Staff is finalizing work with Program Managers on the development of a workplan for ongoing and new actions included in the Addendum. Following management review and approval the FY 16/17 Workplan will be posted to the Board's website.

The Groundwater Quality Protection Strategy, Addendum, and workplans can be found on the Groundwater Quality section of the Central Valley Water Board's website at:  
[http://www.waterboards.ca.gov/centralvalley/water\\_issues/groundwater\\_quality/index.shtml#gwstrategy](http://www.waterboards.ca.gov/centralvalley/water_issues/groundwater_quality/index.shtml#gwstrategy)

The following is a brief status report of ongoing implementation of tasks for actions identified in the June 2013-2015 Workplan and Addendum.

Action 6.4.1 Develop a Salt and Nitrate Management Plan for the Central Valley. The initiative is a collaborative stakeholder effort that includes the Central Valley Water Board as a stakeholder. CV-SALTS continue to work toward development of a Salt and Nitrate Management Plan. More details on CV-SALTS activities can be found in the Salinity and CV-SALTS section of this EO report. Information is also available at: <http://cvsalinity.org/>

Action 6.4.2 Implement consistent and scientifically sound groundwater quality monitoring program. To implement this action a Groundwater Monitoring Advisory Workgroup (GMAW) composed of groundwater experts, which includes representatives from State and Regional Water Boards, USGS, academia, and private consultants was formed. The GMAW has identified several technical issues related to groundwater monitoring. The volunteer GMAW is tasked with development of white papers for each of the technical issues. Two on-going efforts are working on related issues, a statewide committee is reviewing the Antidegradation Policy and guidance on its implementation with respects to groundwater, and CV-SALTS is looking at policy issues related to assimilative capacity. The results of these two efforts may impact the approach or guidance that would be outlined in the GMAW white papers. Therefore, to avoid duplication of efforts, staff is engaged with both. Discussion are taking place to determine how best to coordinate the GMAW and CV-SALTS Technical Advisory Committee.

GMAW meeting information can be found at:

[http://www.waterboards.ca.gov/centralvalley/water\\_issues/groundwater\\_quality/index.shtml](http://www.waterboards.ca.gov/centralvalley/water_issues/groundwater_quality/index.shtml)

Information on the State Water Resources Control Board review of the Antidegradation Policy Application to Groundwater can be found at: [http://www.waterboards.ca.gov/plans\\_policies/antidegradation.shtml](http://www.waterboards.ca.gov/plans_policies/antidegradation.shtml)

Action 6.4.3 Implement Groundwater Quality Protection Programs through the Integrated Regional Water Management Plan Groups. The goal of this action is to leverage and expand groundwater quality program coverage through improved coordination and partnering with local regional groups that receive State funds through the Integrated Regional Water Management (IRWM) process. Efforts continue to encourage Regional Water Management Groups outreach to Disadvantaged Communities. Education on Supplemental Environmental Project funding sources that may be available for IRWM plan projects, specifically those that benefit disadvantaged communities, continues with the distribution of a factsheet that is available at: [http://www.waterboards.ca.gov/centralvalley/water\\_issues/enforcement/sep\\_apr2015\\_fact\\_sheet.pdf](http://www.waterboards.ca.gov/centralvalley/water_issues/enforcement/sep_apr2015_fact_sheet.pdf)

On-going staff participation in IRWM groups (or Regional Water Management Groups) is included under the Public Outreach section of this EO report.

Action 6.4.5 Well Design and Destruction (Abandonment) Program. Staff has reviewed and evaluated county well ordinances. Personnel at county agencies (health departments) have been contacted to determine the specific methods currently used to oversee and enforce well standards. Staff has completed a draft report, currently under management review, that summarizes those tools and methods of well standards enforcement and addresses potential issues with some of the current well standards. Anticipate report to be finalized and posted to the website October 2016.

Action 6.5.1(b) Develop General Order for Poultry, Cattle, or Other Confined Animal Facilities. The goal of this action is to protect groundwater from waste associated with the operation of confined animal facilities including poultry raising and egg laying facilities, bovine feedlots (heifer ranches, beef cattle yards, etc.), and other types of confined animal facilities not covered by the Dairy General Order.

An information item on the conceptual framework for a General Order for Confined Bovine Feeding Operations was presented to the Regional Board at its February 2016 meeting. An Administrative Draft of the General Order has been prepared and released to key stakeholders in industry and environmental groups. Release of a Tentative Order is planned for October, with the goal of presenting the General Order to the Board for consideration at the December 2016 Board meeting.

An information item on the conceptual framework for a General Order for Poultry Operations was presented to the Regional Board at its April 2016 meeting. An Administrative Draft of the General Order has been prepared and was released to key stakeholders in industry and environmental groups on 1 June 2016. A Tentative Order was released on 23 September 2016. The General Order is scheduled for presentation to the Board for consideration at the December 2016 Board meeting.

Action 6.5.2(a) Implementation of the Long-Term Irrigated Lands Regulatory Program (ILRP). The goal identified in the roadmap was to implement a program that establishes a groundwater protection program for wastes associated with irrigated agricultural practices. More detail on the Long-Term ILRP development and implementation can be found under the Irrigated Lands Regulatory Program section of this EO Report or found at: [http://www.waterboards.ca.gov/centralvalley/water\\_issues/irrigated\\_land/long\\_term\\_program\\_development/index.shtml](http://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_land/long_term_program_development/index.shtml)

Action 6.5.2(b) Coordinate with California Department of Food and Agriculture (CDFA) to identify methods to enhance outreach, education, and research through CDFA's fertilizer research and education program. The goal of this action is to reduce groundwater quality impacts from use of nitrogen based fertilizing materials in agricultural, commercial, and residential applications. ILRP staff is coordinating with CDFA on the nitrogen management certification training for Certified Crop Advisors and individual growers and the development of nitrogen removed calculator for use by the agricultural coalitions. Staff is coordinating with CDFA to augment the irrigation element of the nitrogen management certification training and possibly include information on the summary reporting requirement.

Action 6.5.3 Reduce Site Cleanup backlog. The goal of this action is to reduce the number of inactive cases (i.e., the case backlog) in the Site Cleanup Program. During the 2016/2017 fiscal year, 55 open, inactive sites were reviewed. Of these, 32 were eliminated from the backlog. This includes sites that were closed, are under another agency's lead, were assigned to staff, found to be duplicates of another site entry, or were found to be informational only. Of the cases reviewed, 13 need additional staff time and effort on the responsible parties part to resolve, and includes 6 sites in which site information has not yet been located.

Since the backlog reduction project began, 791 sites have been reviewed, with 477 being eliminated from the backlog, and about 324 requiring additional resources.

Action 6.5.4(c) Reduce backlog of existing Waste Discharge Requirements (WDRs) to be updated and new WDRs to be developed.

Staff is continuing to enroll dischargers into the state-wide Small Volume Domestic order and include rescissions of old WDRs into regular Central Valley Water Board meeting agendas.

The State Water Board updated the state-wide general order for water recycling in June. Regional Water Board staff is notifying the individuals enrolled in the previous, 2014 general order of the updated order and will enroll them in the new order. The new general order is a useful tool to encourage water recycling.

State Water Board staff has targeted two additional general orders for adoption in this fiscal year or early in fiscal year 2017/2018 (a Winery General Order and an Aggregate General Order). Region 5 staff is involved directly with the development of these general orders. Development of these orders is expected to reduce the number of

backlogged applications by approximately forty, but is also expected to speed up the processing of applications for WDRs from new or expanding facilities.

Staff is developing white papers for the two types of industries to begin working with the industry representatives for consideration of draft general orders. More information will follow on this.

Regional Water Board staff is also exploring the possibility of a general order for municipal/domestic wastewater treatment facilities that treat their wastewater to comply with levels necessary for water recycling. The water recycling general order is directed to the recycling of the water and does not replace the WDRs on the dischargers with respect to effluent limits, prohibitions, specifications, etc. The hope would be an order that would complement the water recycling general order.

This fiscal year, beginning 1 July, staff has started tracking time to monitor effectiveness of its Lean 6 Sigma project implementation measures. We have found a 23% reduction in the time it takes to process and application and complete the corresponding permit.

#### Action 6.15 Onsite Wastewater Treatment Systems (OWTS) Policy Implementation; Local Agency Management Plan (LAMP) Reviews

The OWTS Policy gives Local Agencies, mostly county environmental health departments, an option to propose Local Agency Management Programs (LAMPs). These generally attempt to demonstrate adequacy of existing local codes and ordinances to meet new minimum standards both for human health and water quality protection. Draft LAMPs were due to the Central Valley Water Board by 13 May 2016; staff has received 29 of 30 LAMPs from Local Agencies by the deadline. Our Redding, Rancho Cordova, and Fresno Offices are coordinating reviews in detail to meet a 13 May 2017 deadline for Central Valley Water Board approvals. As of October 2016, staff have reviewed about 93% of the LAMP submittals, and in most cases resolved all issues with local environmental health directors. Remaining issues generally occur either with counties that span jurisdictional boundaries with other regions, or submittals that are substantially incomplete. Once issues are resolved and reviews complete, staff requests environmental health directors to seek LAMP approvals and related new code and ordinance adoptions from their Boards of Supervisors. Next, staff publicly notices LAMPs for Central Valley Water Board approvals at regular meetings. To date, four Central Valley counties have approved LAMPs.

Staff regularly updates progress on the following webpage:

[http://www.waterboards.ca.gov/centralvalley/water\\_issues/owts/lamp\\_reviews/index.shtml](http://www.waterboards.ca.gov/centralvalley/water_issues/owts/lamp_reviews/index.shtml)



## IRRIGATED LANDS REGULATORY PROGRAM (ILRP)

### Waste Discharge Requirements (WDRs) Development

#### **State Water Board's Proposed Order Issued in Response to Petitions on Eastern San Joaquin Agricultural Waste Discharge Requirements**

On 8 February 2016, the State Water Board issued a proposed order in response to the petitions regarding the General Order No. R5-2012-0116 for growers within the Eastern San Joaquin River Watershed (SWRCB/OCC Files A-2239(a)-(c)). The State Water Board order proposed changes to the current order, including field-level reporting to the Water Board, domestic well monitoring, and development of numeric targets to assess nitrogen loading to groundwater. Central Valley Water Board Members and staff briefed State Board Members in March and April, presented information during the State Board Workshops in May, and provided written comments on the proposed order. Since May, staff has been meeting with agricultural coalition and environmental justice representatives to discuss issues raised during the May Workshops, and during September and October, staff briefed State Board member again to discuss how the current ILRP components can be clarified to address the intent of the proposed Order. State Water Board held staff Workshops in October and November to discuss ILRP groundwater and surface water protection and program transparency. More information regarding the proposed State Water Board order can be found at the State Water Board web page: [http://www.swrcb.ca.gov/public\\_notices/petitions/water\\_quality/a2239\\_sanjoaquin\\_ag.shtml](http://www.swrcb.ca.gov/public_notices/petitions/water_quality/a2239_sanjoaquin_ag.shtml)

### ILRP Compliance, Outreach & Enforcement

#### **Agricultural Parcel Inspections**

The purpose of these inspections is to determine if the parcels are commercial irrigated lands that require coverage under the Irrigated Lands Regulatory Program. Data gathered during these inspections will be used to focus and prioritize the issuance of 13260 directives to commercial irrigated lands that are not covered by the ILRP. Growers may obtain coverage by joining an agricultural water quality coalition and enrolling in the associated ILRP general order or enrolling in the ILRP individual general order. The table below presents parcel inspections conducted for each coalition area. Coalition areas not shown had no inspections during the reporting period.

<b>Coalition Area</b>	<b>Parcel Inspections Sept 15 – Nov 7</b>
Sacramento Valley	144
San Joaquin County & Delta	61
<b>Total</b>	<b>205</b>

#### **Water Code Section 13260 Directives**

These directives are sent to owners of commercial irrigated lands as identified through staff inspections of agricultural-zoned parcels. The recipients are required to submit a Notice of Intent to obtain either group or individual regulatory coverage within 15 days of receipt of the directive. Coalition areas not shown had no directives mailed during the reporting period.

<b>Coalition Area</b>	<b>Directives Mailed Sept 15 – Nov 7</b>
East San Joaquin	1
Sacramento Valley	162
San Joaquin County & Delta	49
<b>Total</b>	<b>212</b>

#### **Settlement of Administrative Civil Liability Complaints**

On 21 October 2016 the Central Valley Regional Water Quality Control Board (Regional Board) reached a settlement agreement with Alex J. and Lynda M. Samarin in the amount of \$4,000 for violating Water Code section 13260 by failing to obtain regulatory coverage for their irrigated agricultural lands. The full Settlement Agreement is available for review on the Regional Board's adopted orders webpage.

### Coalition Enrollment Summary

The tables below provide the latest coalition enrollment data based on coalition member lists submitted annually to comply with the ILRP General Order requirements, subsequent voluntary updates to member lists, and Central Valley Water Board staff identified additional enrollment data. The ILRP General Orders require coalitions to provide enrollment data each July and Water Board staff requests a voluntary update in December to ensure accurate information for annual billing. Executive Officer Reports produced in months when coalitions are not required to provide member and participant information are updated using Water Board staff enrollment information.

<b>Table 1 of 2. Coalition Enrollment Information Summary in the Sacramento, Delta, East and Western San Joaquin River Watersheds*</b>							
<b>Coalition Group</b>	<b>CA Rice* Comm.</b>	<b>East San Joaquin</b>	<b>Grasslands Drainage Area</b>	<b>Sacramento Valley</b>	<b>San Joaquin Co. &amp; Delta</b>	<b>Western San Joaquin R.</b>	<b>Totals</b>
<b>Participating Growers</b>							
Number of Growers, Pre-Order	2,500	2,225	N/A	7,888	3,256	2,450	18,319
Number of Growers, Current Participant List (2016)*	2,500	3,524	89	8,300	3,609	2,527	20,549
Number of Growers Enrolling Land Due to Directive/eNOI (Sept 9 – Nov 2)***				60	12		72
<b>Enrolled Acreage</b>							
Number of Acres, Pre-Order	544,468	535,653	N/A	1,183,491	348,200	467,625	3,079,437
Number of Acres, Current Participant List (2016)*	421,000****	697,423	80,859	1,330,502	413,126	433,324	3,376,234
Number of Acres, Previous Annual Fees (2015-2016)**	421,000****	698,701	N/A	1,340,216	386,452	435,922	3,282,291
Number of Acres added due to Directive/eNOI (Sept 9 – Nov 2, 2016)***				5,349	508		5,857

\* Grower participant lists are updated yearly by the Coalition Group on 31 July.

\*\* Grower annual fees are submitted yearly by the Coalition Group in Jan-Feb for the fiscal year. Annual Fees only report irrigated acres and do not report participants.

\*\*\* Growers and acres calculated by staff on 2 November 2016.

\*\*\*\* Drop in rice acreage due to drought and reductions of surface water deliveries in the Sacramento Valley. Also per the Order, Rice Commission is not required to submit a participant list and the acreages are updated annually for fees.

**Table 2 of 2. Coalition Enrollment Information Summary for the Tulare Lake and Western Tulare Lake Basins**

Coalition Group	Buena Vista	Cawelo	Kaweah Basin	Kern River	Kings River	Tule Basin	Westside	Westlands	Total
<b>Participating Growers</b>									
Number of Growers, Pre-Order	3,794 (Southern San Joaquin Water Quality Coalition)							1,070	4,864
Number of Growers, Current Participant List (2016)*	40	89	1,290	781	4,819	1,044	41	1,276	9,380
Number of Growers Enrolling Land Due to Directive/eNOI (Sept 8 - Nov 8, 2016)***	0	0	6	4	14	5	0	0	29
<b>Enrolled Acreage</b>									
Number of Acres, Pre-Order	957,362 (Southern San Joaquin Water Quality Coalition)							507,489	1,464,851
Number of Acres, Current Participant List (2016)*	30,960	34,877	163,554	524,804	773,473	232,012	99,100	489,698	2,348,478
Number of Acres, Previous Annual Fees (2015-2016)**	30,788	34,524	163,422	522,776	761,019	225,018	99,761	490,495	2,327,803
Number of Acres added due to Directive/eNOI (Sept 8 - Nov 8, 2016)***	0	0	165	2,367	1,241	228	0	0	4,001

\* Grower participant lists are updated yearly by the Coalition Group on 31 July.

\*\* Grower annual fees are submitted yearly by the Coalition Group in Jan-Feb for the fiscal year. Annual Fees only report irrigated acres and do not report participants.

\*\*\* Growers and acres calculated by staff on 2 November 2016

**Sacramento River Watershed Coalition Groups**

**California Rice Commission**

On 21 September 2016, Regional Board staff issued informal comments to the California Rice Commission on the draft Quality Assurance Project Plan (QAPP) update submitted on 27 May 2016. The QAPP update includes additional information about the groundwater quality monitoring that will be conducted per the Groundwater Trend Monitoring Workplan and Data Gap Assessment Plan approved by the Executive Officer on 20 June 2016. Staff's comments must be addressed prior to Regional Board approval of the QAPP.

### **Sacramento Valley Water Quality Coalition**

On 25 October 2016, the Sacramento Valley Water Quality Coalition (SVWQC, Coalition) submitted a revised Surface Water Quality Management Plan to address chlorpyrifos in Pine Creek in the Butte-Yuba-Sutter Subwatershed. The plan was revised to address Central Valley Water Board staff (staff) comments and recommendations provided to SVWQC on 25 August 2016. The plan is under staff review.

On 1 November, the Executive Officer approved SVWQC's 2017 Monitoring Plan Update. The plan presents the monitoring schedule for all representative water bodies covered by the Coalition and all of the required Total Maximum Daily Loads (TMDLs) and Management Plans in the Coalition area.

On 3 November, staff held a Quarterly Status Update Meeting with SVWQC to discuss the status of submitted management plan completion requests; pending management plan completion requests; progress of SVWQC's management plans; and an approach to address dissolved oxygen and pH management plans.

### **San Joaquin River Watershed Coalition Groups**

#### **East San Joaquin Water Quality Coalition**

On 12 September, staff's review of the 2016 Annual Monitoring and Management Plan Progress Reports, covering the period 1 October 2014 through 30 September 2015, was provided to the Coalition. The Coalition complied with all MRP Order monitoring and reporting requirements. However, based on compliance statistics provided in the Nitrogen Management Plan (NMP) Summary Report, the Coalition obtained only 47% of the NMP Summary Report on-time for analysis and submittal with the Annual Report. As a result, the Central Valley Water Board staff is actively pursuing compliance and enforcement action to bring all Coalition members into compliance with Order requirements.

On 7 October, the Executive Officer approved the Coalition's Monitoring Plan Update for the 2017 water year (1 October 2016 through 30 September 2017). The proposed schedule includes monitoring of constituents during the application periods.

On 11 October, staff's combined review of the 2014 - 2016 Annual Monitoring Report for the San Joaquin River Chlorpyrifos and Diazinon TMDL Compliance Monitoring report prepared jointly by the East San Joaquin Water Quality Coalition and the Westside San Joaquin River Watershed Coalition (Coalitions) was provided to the Coalitions. Overall, the Coalitions collected high quality data, and met the precision, accuracy, and completeness requirements of the Order, and addressed the seven monitoring objectives outlined in the Basin Plan.

#### **San Joaquin County and Delta Water Quality Coalition**

On 21 September, the Executive Officer conditionally approved the Coalition's Phase 1 and Phase 2 Proximity to Surface Water Work Plans for addressing potential sediment discharges from parcels adjacent to water bodies. The Work Plan requires the Coalition to properly vet the parcels proposed for Sediment and Erosion Control Plan exemption to ensure that none have discharge mechanisms that could circumvent an elevation difference or hydraulic barrier, and define acceptable criteria for riparian vegetation considered adequate to prevent sediment discharge.

On 12 October, the Executive Officer issued a 13267 Order to the San Joaquin County & Delta Water Quality Coalition requiring submittal of a specific conductance management plan by 23 November 2016. The Coalition currently has 16 sites in the Delta area where a specific conductance management plan was triggered. To date, the Coalition is not actively participating in CV-SALTS, and therefore may not rely on that stakeholder process as a means to address salinity-related management plans.

On 14 October, the Executive Officer approved the Coalition's Monitoring Plan Update for the 2017 water year (1 October 2016 through 30 September 2017). The proposed schedule includes monitoring of constituents during application periods, periods when they are likely to be observed, and/or when previous exceedances occurred.

### **Westside San Joaquin River Watershed Coalition**

On 15 September 2016, the Westside SJR Coalition submitted a QAPP amendment to address monitoring additions related to the groundwater Trend Monitoring Program. The QAPP amendment is under staff review.

On 16 September 2016, the Coalition submitted the Trend Monitoring Workplan, which is under staff review.

### **Grassland Drainage Area Coalition**

On 28 July, the Grassland Basin Drainage Steering Committee submitted the Grassland Drainage Area Groundwater Quality Assessment Report (GAR) required by Waste Discharge Requirements Order R5-2015-0095. The GAR was posted for public comment and one letter was received from Grassland Water District. The GAR and GAR comments are currently under staff review.

### **Tulare Lake Basin Coalition Groups**

#### **Buena Vista Coalition**

On 20 September 2016 the Buena Vista Coalition submitted two Groundwater Quality Management Plans in accordance with Waste Discharge Requirements General Order R5-2013-0120. The documents were posted on the Central Valley Water Board webpage for public comment, which ended 1 November 2016.

#### **Kern River Watershed Coalition Authority**

On 20 October 2016 the Kern River Watershed Coalition Authority submitted a Revised Comprehensive Groundwater Quality Management Plan in accordance with Waste Discharge Requirements General Order R5-2013-0120. The documents will be made available on the Central Valley Water Board webpage.

On 1 November 2016 the Kern River Watershed Coalition Authority submitted a Surface Water Quality Management Plan and Source Identification Study Evaluation Report for Chanac Creek. The management plan and source identification study are intended to address exceedances of surface water quality trigger limits within Chanac creek, and address the potential contribution from irrigated agricultural sources. The documents will be made available on the Central Valley Water Board webpage.

#### **Tule Basin Water Quality Coalition**

On 20 September 2016, the Tule Basin Water Quality Coalition submitted a comprehensive Groundwater Quality Management Plan in accordance with Waste Discharge Requirements General Order R5-2013-0120. The document was posted on the Central Valley Water Board webpage for public comment, which ended 31 October 2016.

#### **Westside Water Quality Coalition**

On 20 September 2016, the Westside Water Quality Coalition submitted a comprehensive Groundwater Quality Management Plan in accordance with Waste Discharge Requirements General Order R5-2013-0120. The document was posted on the Central Valley Water Board webpage for public comment, which ended 31 October 2016.

### **Other Projects**

#### **Data Management**

In May **2015**, the Central Valley Regional Data Center's (CVRDC) contract expired, and CVRDC's assistance with loading ILRP data into the California Environmental Data Exchange Network (CEDEN) has ceased until a new contract is executed. State Board has not been able to garner more than one bid to renew the contract. This has delayed uploads of ILRP data into CEDEN and will make it more difficult for interested parties to obtain some of the ILRP data.

Data collected prior to 2009 will continue to be available on the ILRP surface water quality data webpage until those sets are processed and transferred to CEDEN. Staff is currently processing the Westside SJ River, California Rice Commission, and Sacramento Valley Water Quality Coalition data collected between 2004 and

2008. Once complete, this set will complement the existing data on CEDEN providing all of the data submitted by the coalitions since program inception.

Staff loaded the Grasslands Bypass Project electronic field data deliverable covering the monitoring period July through December 2015 into the CV RDC replica database. Staff has been experiencing delays with transmittal of the data to CEDEN because the contract with the CV RDC has expired.

Staff loaded the Westside San Joaquin River Coalition electronic field data deliverable covering the monitoring period September through February 2015 into the CV RDC replica database. Staff has been experiencing delays with transmittal of the data to CEDEN because the contract with the CV RDC has expired.

Staff has completed processing a 2008 Westside San Joaquin River Coalition historical data set. There are 2007, 2006, 2005 and 2004 data sets yet to process. Historical data sets have to be manually entered and reviewed into a spreadsheet before the loading process can proceed. Staff has successfully loaded a 2008 field and chemistry data sets into the CV RDC replica database. Staff will continue processing the other data sets as priorities allow.

### **Grassland Bypass Project**

On 29 April, the 2015 Annual Monitoring Report for the Grassland Bypass Project was submitted to the Central Valley Water Board. A revised draft was submitted on 15 August in response to staff comments. The revised draft was reviewed by staff for compliance with Order R5-2015-0094 and approved on 21 September 2016.

On 31 August 2015, the U.S. Bureau of Reclamation submitted the draft Quality Assurance Project Plan for the Compliance Monitoring Program for the operation of the Grassland Bypass Project for staff review. As required by the Order, the draft Plan specifies the sampling and analytical procedures that must be followed by Grassland dischargers. However, some omissions were noted by staff. Revisions are due to the Regional Board by the end of the year to address these omissions.

### **Rice Pesticide Program**

The 2016 Annual Stakeholder Meeting for the Rice Pesticide Program was held on 12 October in the Central Valley Water Board's Rancho Cordova office. The thiobencarb monitoring results for the 2016 rice growing season and subsequent actions will be presented in the annual monitoring report, which is due to the Board by 31 December.

### **Draft Pesticide Evaluation Protocol**

On 27 July, comments on the *Draft Pesticide Evaluation Protocol* were submitted to the Central Valley Water Board on behalf of the Westside San Joaquin Watershed Coalition, East San Joaquin Water Quality Coalition, San Joaquin County and Delta Water Quality Coalition, and the Sacramento Valley Water Quality Coalition. Separate comments were also submitted on behalf of the Kaweah Basin Water Quality Association and the Kern River Watershed Coalition Authority. Staff is in the process of finalizing the Pesticide Evaluation Protocol for Executive Officer approval. The draft protocol can be found at the following link:

*Draft Pesticide Evaluation Protocol:*

[http://www.waterboards.ca.gov/centralvalley/water\\_issues/irrigated\\_lands/regulatory\\_information/stakeholder\\_adv\\_isory\\_workgroup/index.shtml](http://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_lands/regulatory_information/stakeholder_adv_isory_workgroup/index.shtml)

## NON POINT SOURCE

### Cyanobacteria Bloom Notification and Response

Blooms of cyanobacteria and other harmful algae (CHABs) have recently become more frequent in Central Valley waters. The Central Valley Water Board Cyanobacteria Coordinator, Christine Joab, coordinates notification of water body managers, local public and environmental protection agencies, and drinking water purveyors when Central Valley Water Board staff is contacted about potential and confirmed CHABs. In addition, the Cyanobacteria Coordinator has coordinated with the Surface Water Ambient Monitoring Program, Drinking Water Program, and other programs at the State and Central Valley Water Boards to initiate monitoring and press releases where local agencies do not have adequate resources. During the current 2016 bloom season (March-October), the Cyanobacteria Coordinator assessed twenty-one suspected bloom events as summarized in the following table.

<b>Summary of Suspected and Confirmed Cyanobacteria Bloom Reports</b>				
<b>Month</b>	<b>Report Name</b>	<b>Water Body Type</b>	<b>Report Status</b>	<b>Actual Case of Cyanobacteria (Genera)</b>
March	1. Galt Report	1. Creek & private pond	1. Closed	Galt = no
	2. American River Report	2. River	2. Closed	American River = no
April	3. Chico Report	Small lake	3. Closed	Chico = yes
May	4. San Joaquin Cattle Ponds	Cattle stock ponds	4. Closed	San Joaquin = yes
June	5. San Joaquin River	5. River	5. <b>Open</b>	San Joaquin = yes
	6. Woodward Reservoir	6. Reservoir	6. Closed	Woodward = yes
July	7. Thompson Lake	7. Lake	7. Closed	Thompson = no
	8. Eastman Lake	8. Lake	8. Closed	Eastman = no
	9. Shasta Lake – Upper Pit River Arm	9. Reservoir	9. Closed	Pit River Arm Shasta = yes
	10. Lake Britton	10. Reservoir	10. Closed	Britton = yes
	11. Discovery Bay	11. Man-made water feature in Delta	11. Closed	Discovery Bay = yes
	12. Lake Oroville	12. Reservoir	12. Closed	Oroville = yes
August	13. San Luis Reservoir & O'Neill Forebay	13. Reservoirs	13. <b>Open</b>	San Luis & O'Neill = yes
	14. Mountain Meadow Reservoir	14. Reservoir	14. Closed	Mountain Meadow = yes
	15. Lake Isabella	15. Reservoir	15. Closed	Lake Isabella = yes
	16. Pond on tributary to Mary Lake	16. Pond	16. Closed	Pond to Mary Lake = no
	17. Clear Lake	17. Lake	17. <b>Open</b>	Clear Lake = yes
September	18. Big Break	18. Delta bay	18. <b>Open</b>	Big Break = yes
	19. Lake Clementine	19. Reservoir	18. Closed	Lake Clementine = no
	20. South Delta	20. Delta channels	20. Closed	South Delta = yes
October	21. Folsom Lake	21. Lake	21. Closed	Folsom = yes ( <i>not bloom conditions</i> )

## GENERAL

### 1. **EPA Optimization Team – Abandoned Mines**

October 17 through 21, Central Valley Water Board staffs facilitated USEPA led inspections of abandoned mines in the Redding area. The purpose of the inspections was to assess the likelihood of sudden discharge potential originating from either improperly constructed bulkheads or collapsed adits. The inspections were attended by Shahid Mahmud, USEPA's National Mining Team Lead, John Hillenbrand, USEPA's Region 9 Mine Lead, and Lilly Tavassoli, USEPA Superfund Project Manager along with mining experts from HGL and TetraTech. The Optimization Team will prepare a report for the Board summarizing their findings and recommendations in the next few months.

### 2. **Local Agency Management Program for Town of Paradise**

The State Board's *Water Quality Control Policy for Siting, Design, Operation, and Maintenance of Onsite Wastewater Treatment Systems* (OWTS Policy) gives Local Agencies the option to submit Local Agency Management Programs (LAMPs) in lieu of conservative default standards. On 13 May 2016, the Town of Paradise submitted a draft LAMP. Central Valley Water Board and State Board Division of Drinking Water staffs have reviewed the LAMP, and find that it meets minimum standards of the OWTS Policy (EJR).

### 3. **Earthworm Soil Factory, 704 Neal Road, Chico, Butte County**

On 7 September 2016, Central Valley Water Board issued a Water Code Section 13260 Request for Complete Report of Waste Discharge to Earthwork Soil Factory, an existing composting facility that did not submit a complete Report of Waste Discharge as required by the General Waste Discharge Requirements for Composting Operations, Order WQ 2015-0121-DWQ.

### 4. **Old Durham Wood, Inc., 1156 Oro-Chico Highway, Durham, Butte County**

On 7 September 2016, Central Valley Water Board issued a Water Code Section 13260 Request for Complete Report of Waste Discharge to Old Durham Wood, Inc., an existing composting facility, that did not submit a complete Report of Waste Discharge as required by the General Waste Discharge Requirements for Composting Operations, Order WQ 2015-0121-DWQ.

### 5. **Water Quality Coordinating Committee – Portfolio Management**

On October 25, Clint Snyder provided a presentation to the Water Quality Coordinating Committee regarding the Board's development and implementation of Portfolio Management. The presentation was well received.



## GRANTS

### **Technical Assistance – Support Needs of Small Disadvantaged Communities (DACs)**

The State Water Board has contracts in place with Rural Community Assistance Corporation, California Rural Water Association, and Self-Help Enterprises to provide technical assistance to small disadvantaged communities for drinking water and wastewater treatment services. A new Proposition 1 Technical Assistance Program is now available to address Small DACs drinking water, wastewater, groundwater quality, and stormwater needs under one program. For information on eligible activities visit the Office of Sustainable Water Solutions website at: [http://www.waterboards.ca.gov/water\\_issues/programs/grants\\_loans/sustainable\\_water\\_solutions/index.shtml](http://www.waterboards.ca.gov/water_issues/programs/grants_loans/sustainable_water_solutions/index.shtml)

### **Current Funding administered through State Water Board**

There are several financial assistance programs that are currently accepting applications for loan and grant funding for construction of municipal sewage and water recycling facilities, remediation for underground storage tank releases, watershed protection projects, nonpoint source pollution control projects, etc. More information can be found on the State Water Board's Division of Financial Assistance website and clicking on the Current Funding tab:

[http://www.waterboards.ca.gov/water\\_issues/programs/grants\\_loans/](http://www.waterboards.ca.gov/water_issues/programs/grants_loans/)

Staff continues to stay apprised of the various funding sources for water quality improvement projects to provide information to stakeholders as appropriate.

### **Storm Water Grant Program (SWGP) Proposition 1**

The State Water Board is currently reviewing Storm Water Implementation Grant applications. Approximately \$80 million will be available for implementation projects in this first round of funding. Eligible project types include multi-benefit storm water management projects which may include, but shall not be limited to, green infrastructure, rainwater and storm water capture projects and storm water treatment facilities. Region 5 staff assisted the State Water Board in the grant proposal review process. Anticipated announcement of final Implementation Grant Funding List is early November 2016 by the State Water Board.

### **Clean Water Act §319(h) Nonpoint Source Grant Program:**

The State Water Board is accepting concept proposal applications for the 2017 Nonpoint Source Grant Program, supported by funds from Clean Water Act §319(h). Eligible projects include those that reduce or restore Nonpoint Source impaired surface waterbodies, projects identified in watershed plans, and Timber Fund Projects that implement forest management measures that demonstrate water quality improvement. Concept proposal application reviews will be completed mid November. Following Review Panel selections candidates requested to submit full proposals will be notified early December. More information on project eligibility and application process at available on the NPS Grant Program webpage at:

[http://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 Agricultural Best Management Practices in Alfalfa, Almonds, and Cotton that Aid in Restoration of the San Joaquin River Watershed (\$749,997)** – The Sustainable Cotton Project will continue work engaging more farmers of alfalfa, cotton, almonds and more acres in the Lower San Joaquin River watershed in implementing proven BMPs. Chlorpyrifos and diazinon comprise the adopted TMDL for the watershed. This grant works to reduce or eliminate farmers' use of diazinon and chlorpyrifos. (end date 6/30/19)

**Mercury on a Landscape Scale: Balancing Regional Exports with Wildlife Health (\$749,500)** – The Bureau of Land Management is using the Cosumnes River Preserve to test water flow strategies for removing methylmercury as it is an ideal matrix of replicate seasonal wetlands to evaluate potential management practices to reduce methylmercury concentrations. (end date 6/30/17)

**Eightmile Valley Sediment Reduction and Habitat Enhancement Project (\$749,992)** – The Bureau of Land Management will reduce the volume of sediment delivered to Clear Lake by realigning a severely eroded stream

channel, establishing a prescriptive treatment for erosion control, installing grade control structures and engineering bank revetment using hardscape, bioengineering and revegetation. (end date 6/30/2018)

**Timber Regulation and Forest Restoration Fund:**

**Ponderosa Way Road Assessment and Sediment Reduction Plan (Phase 1) (\$300,000)** – The Resource Conservation District of Tehama County will prepare an Action Plan to reduce sedimentation from two miles of Ponderosa Way and another five miles of roads upslope and/or downslope of Ponderosa Way within the Battle Creek Watershed, implement one project to reduce sediment inputs to Battle Creek and prepare CEQA document for future road fixes. (end date 4/30/2018)

**Battle Creek Watershed Based Plan (\$492,000)** – The Battle Creek Watershed Conservancy will develop a Watershed-Based Plan and implement a sediment reduction demonstration project in the Battle Creek Watershed. (end date 4/30/2018)

**Grants to be executed by 30 June 2017:**

- Battle Creek Watershed Plan (Battle Creek Watershed Conservancy, Tehama and Shasta Counties).
- Ponderosa Way Road Assessment and Sediment Reduction Plan Phase I and Phase II (Resource Conservation District of Tehama County)
- Post-Fire Response to Forest Management: Mitigations for Improved Water Quality Performance (California Department of Forestry and Fire Protection Watershed Protection Program, Boggs State Forest, Lake County)
- Roadside Fuel Reduction (Yuba County Public Works)

## PUBLIC OUTREACH

On 8 September Eric Warren and Henry Jones attended a continuing education seminar in Bakersfield, CA, hosted by the California Association of Pesticide Control Advisors (CAPCA). Eric provided a presentation on the ILRP requirements for growers and updates regarding recent program activities.

On 14 September, Griffin Perea, Ashley Worth, and Trey Sherrell participated in a public scoping workshop for California Department of Food and Agriculture's Medical Cannabis Cultivation Program (MCCP).

On 14 September, Debra Hallis gave a presentation at Humboldt State University to current college students and recent graduates. Careers with the State and Regional Water Boards, tips on class selection, and how to be marketable in the current economy were discussed. Current college students and recent graduates with geology, forestry, engineering, and other science majors were in attendance.

On 15 September, Bethany Soto participated in the Southern Sierra Integrated Regional Water Management (IRWM) Group Meeting. The meeting focused on project updates and discussion of the project list and how it aligns with potential funding sources.

On 19 September, Griffin Perea and Ashley Worth attended and participated in a stakeholders' meeting presented by the Bureau of Medical Cannabis Regulation (BMCR) and Office of Medical Cannabis Safety (OMCS).

On 21 September Alex MacDonald participated in the Aerojet Rocketdyne Community Advisory Group meeting in Rancho Cordova. Some of the main topics discussed were the Area 40 feasibility study, the upcoming USEPA 5-Year Review, the results of sampling of Aerojet's GET E/F, GET AB and ARGET treatment systems for PFOA and PFOS (emerging contaminants) landfills. Alex also presented information regarding recent cleanup activities on the Aerojet site and adjacent Inactive Rancho Cordova Test Site, including the installation of several groundwater monitor wells and the soil removal activities at the AMPAC facility. (AMM)

On 21 September, Bethany Soto participated in the Upper Kings Basin Integrated Regional Water Management Authority Advisory Committee Meeting. The meeting focused on project updates, modifying the IRWM Plan Project List to consider including five new water delivery and groundwater storage projects.

From 27 through 29 September, Lynn Coster attended the Aquatic Invertebrate Laboratory Procedures class in Anderson. The class covered all aspects of freshwater invertebrate taxonomy and biological metric calculations.

On 28 September, Griffin Perea attended a Calaveras Water District meeting with State Water Board Office of Enforcement staff, California Department of Fish and Wildlife staff, and Division of Water Rights staff to present on the joint effort in regulating and enforcing cannabis cultivation sites.

On 29 September, Christine Joab and Guy Chetelat attended the quarterly meeting of the California Cyanobacteria and Harmful Algal Bloom (CCHAB) Network. This is a workgroup under the California Water Quality Monitoring Council tasked with developing and maintaining a comprehensive, coordinated program to identify and address the causes and impacts of cyanobacteria and other harmful algal blooms in the state. Meeting activities included an update on the Clear Lake cyanobacteria monitoring program, an update on the cyanobacteria blooms that occurred across the state, a presentation by PG&E on their activities in Lake Britton to reduce and mitigate cyanobacteria blooms, updates by subcommittee chairs and the update of the CCHAB Network's Charter.

On 4 October, Griffin Perea and Ashley Worth, along with representatives from the State Water Board (Office of Enforcement, and Division of Water Rights), North Coast Regional Water Board, and California Department of Fish and Wildlife were invited to attend and present an information item on our cannabis cultivation program at the Siskiyou County Board of Supervisors meeting.

On 4 October Anthony Medrano followed up with the Kern Environmental Enforcement Network (KEEN) coordinator to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

On 10 October, Anthony Medrano attended the last 2016 quarterly meeting of the Tulare Lake Basin Disadvantaged Community Water Study Stakeholder Oversight Advisory Committee. The meeting purpose was to track progress, share successes, and advance sustainable solutions for addressing disadvantaged community water and wastewater challenges in Fresno, Tulare, Kings and Kern Counties.

On 10 October, Bethany Soto participated in the final Tulare Lake Basin Disadvantaged Community (DAC) Water Study: Stakeholder Group Meeting. The meeting focused on obtaining stakeholder's feedback on Tulare County's DAC Involvement Program Proposal for Prop 1 funds through the Department of Water Resources. Discussion included the development of the proposal, goals and objectives, and the outreach that will be implemented to receive additional buy-in from the seven IRWM groups within the Tulare/Kern funding area on the proposal prior to the February 2017 due date.

On 11 October, Anthony Medrano followed up with Fresno Environmental Reporting Network (FERN) coordinator to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

On 13 October, Lauren Smitherman and Patrick Morris gave a joint presentation about the Statewide Reservoir Mercury TMDL to the annual conference of the California Lake Management Society. The conference also had several presentations about climate change impacts to reservoirs and discussions about harmful algal blooms.

On 19 October, Bethany Soto participated in the Kaweah River Basin IRWM joint meeting of their Governing Board and Stakeholder Advisory Group. Status reports of implementation, planning, and drought projects, and updates to the IRWM Project List were provided. A representative from Tulare County provided information and solicited feedback on Tulare County's DAC Involvement Program Proposal for Prop 1 funds to assess the needs of the DACs across the seven IRWMs within Tulare/Kern funding areas.

On 19 October, Guy Chetelat attended the Northern Sacramento Valley Integrated Regional Water Management technical advisory committee meeting in Willows. California Department of Water Resources staff presented the latest groundwater and subsidence monitoring for the northern Sacramento Valley. State Water Board staff gave a presentation on potential fees for State implementation of the Sustainable Groundwater Management Act. Some rural county water management representatives stated they will have difficulty collecting fees to manage groundwater.

On 24 October, Christine Joab attended the American River Basin's Integrated Regional Water Management (IRWM) Planning Forum meeting. This group of stakeholders meets semi-annually to discuss the American River Basin's IRWM Plan, new guidelines for updating the Plan, and a discussion of potential future grant opportunities.

On 25 October, Christine Joab attended the 2<sup>nd</sup> meeting of the IEP Aquatic Vegetation Project Work Team. The focus of the meeting was on the California State Parks, Division of Boating and Waterways Invasive Aquatic Weed Control Program for floating and submersed aquatic vegetation.

On 26 October, Sue McConnell, Dana Kulesza, Yared Kebede, and Zaira Lopez-Narvaez attended the Nutrient Management Conference sponsored by the California Department of Food and Agriculture's Fertilizer Research and Education Program in Modesto. Presenters from academia, industry and agricultural consulting firms provided general and technical information on nutrient, soil, water, integrated pest and crop management. Sue provided a presentation on the status of the ILRP and our groundwater protection efforts.

On 26 October, Justin LaNier and Shane Edmunds attended the Battle Creek Conservancy annual meeting in Manton, CA. Staff helped answer questions specific to the development of the Watershed-Based Plan in Battle Creek.

On 27 October, Zaira Lopez-Narvaez and Bethany Soto participated in the Yosemite-Mariposa Regional Water Advisory Council (Y-M RWAC). The meeting focused on project updates from the Infrastructure and the Natural Resources Conservation Committees. In addition, Y-M RWAC approved to financially support the Sierra Water Work Group for development and participation in a proposal to Department of Water Resources for DAC Involvement for the Mountain County Funding Area. Next action will be to update the 2016 Y-M RWAC plan to include DAC projects.

On 27 October, Guy Chetelat attended the Sacramento River Forum board meeting held at the Nomlaki Tribe training facility in Corning. River Partners gave a presentation about improving juvenile salmonid habitat on a recent purchase of Sacramento River floodplain land. Other Sacramento River channel habitat restoration projects implemented by the US Bureau of Reclamation and the Western Shasta Resource Conservation District also were discussed. Regional Water Board staff participates in technical advisory meetings and issue permits (Water Quality Certifications, and Construction Storm Water) for these projects. Agricultural representatives on the Forum Board seemed supportive of the projects.

On 28 October, George Low, Debra Hallis, Heidi Bauer, Rebecca Tabor, Monique Gaido, Ashley Worth and Doug Barber created an exhibit and participated in the Ignite Opportunity 3.0 Science, Technology, Engineering, and Math (STEM) Career Day sponsored by the Shasta County Office of Education. This regional event fosters business community support and resources to encourage North State students to prepare for and pursue career opportunities in STEM fields. This year approximately 51 private businesses and public agencies, including the Central Valley Water Board participated in the event. Approximately 1,400 ninth grade students from eight north state counties (Shasta, Trinity, Siskiyou, Modoc, Lassen, Tehama, Glenn, and Plumas) attended this year's event. This is the third year Redding office Water Board staff has participated in this event.

On 2 November, Terry Bechtel provided an ILRP update at a California Association of Pest Control Advisors (CAPCA) seminar. The audience was approximately 85 DPR-licensed Pest Control Advisors (PCA) and Certified Crop Advisors (CCA). Terry discussed growers' regulatory requirements and how PCAs/CCAs can assist their clients in meeting the requirements.

On 8 November Anthony Medrano followed up with Fresno Environmental Reporting Network (FERN) coordinator to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

On 9 November, Anthony Medrano followed up with IVAN Kings County coordinator to review and provide updates regarding environmental complaints lodged by various disadvantaged community groups and members.

On 9 November, Anthony Medrano attended a California Department of Food and Agriculture dairy digester program outreach meeting. This was an informal meeting to hear concerns and suggestions regarding the program.

**PERSONNEL AND ADMINISTRATION  
STAFFING UPDATE  
September 13, 2016 through October 31, 2016**

**Promotion:**

**Leave of Absence:**

Rebecca Asami

**Retirement:**

1

**Authorized Positions:** 251.7

**Vacant Positions:** 23

<b>Separations</b>	<b>New Hires</b>
Alejandra Serratos – WRCE Ralph Boyaijan - WRCE	Zaira Lopez-Narvaez – ES Kaylie Humbert - WRCE

**Temporary Help Positions**

<b>Separations</b>	<b>New Hires</b>
Taran Sahota – SA Pritesh Patel - SA	Spencer Kelley – SA Michael Sekigahama – SA Karen Gilligan – SA Naomi Dieb – SA

**TRAINING UPDATE  
September 13, 2016 through October 31, 2016**

**Class Title**

**Number of Attendees**

A Better Way Through Competency Based Training (Webinar)	1
Advanced Meeting Facilitation (Level 3)	2
Aquatic Invertebrate Laboratory Procedures and Data Analysis	1
California Aquatic Bioassessment Workgroup	4
California Lake Management Society Conference	2
Chemistry Refresher for Environmental Professionals	18
Civil PE Surveying Review	1
Cybersecurity Awareness	1
Defensive Drivers Training	9
Effective Communication for Managing Workplace Conflict	2
Enforcement Training	32
FEMA ICS-100 and 200	2
Fertilizer Research and Education Program	1
Field Safety Training	5
Fire & Rain: Post-Fire Erosion Control Master Class	1
First Responder Operations (FRO)	2
FREP-WPHA Conference, Nutrient Management: Challenges and Opportunities	4
Groundwater Modeling	3
Health and Safety Webinar	12
HAZWOPER Training - 8 Hours	46
Interest-Based Negotiations for Water Resources Management	5
Introduction to Environmental Statistics	2
Introduction to the Division of Financial Assistance (DFA)	6

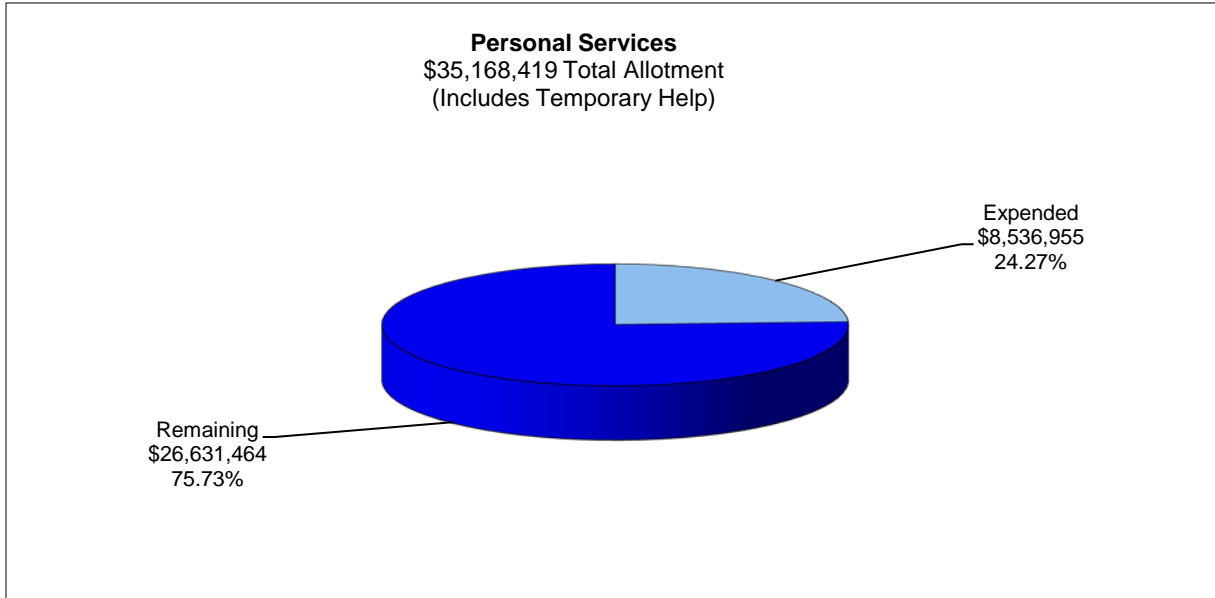
Microsoft Excel - Basics	3
Microsoft Excel - Beyond the Basics	2
New Employee Orientation	1
Nutrient Management Challenges and Opportunities	1
Personal Protective Equipment	39
Pretreatment Program Regulatory Framework	4
Principles of Contaminant Transport & Fate in Soil & Groundwater	4
Project Quality Management (PRJMGT 330)	1
Risk Communication for Waterboards Staff	5
SSO Emergency Response Plan & Staff Training (Webinar)	2
Stormwater Pollutant Chemistry, Monitoring BMP Effectiveness	1
Time Management	1
Water Quality Monitoring Design	1
Wetland Delineation	1

## FISCAL UPDATE

**Through September 30, 2016**  
(Approximately 25% should have been expended)

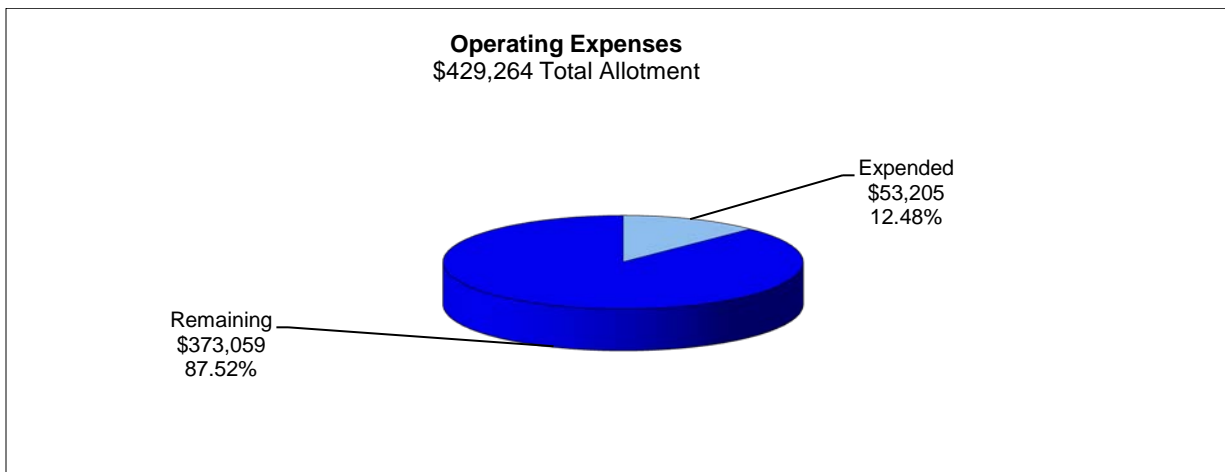
### Personal Services:

The information below represents the budget for the 2016-17 Fiscal Year. Our Personal Services budget supports 251.7 PYs. The Regional Board has received 8 new technical positions for this fiscal year in the following programs: 2 - Ambient Monitoring and Assessment; 2 – Medical Marijuana Implementation; 4 – Site Cleanup.



### Operating Expenses:

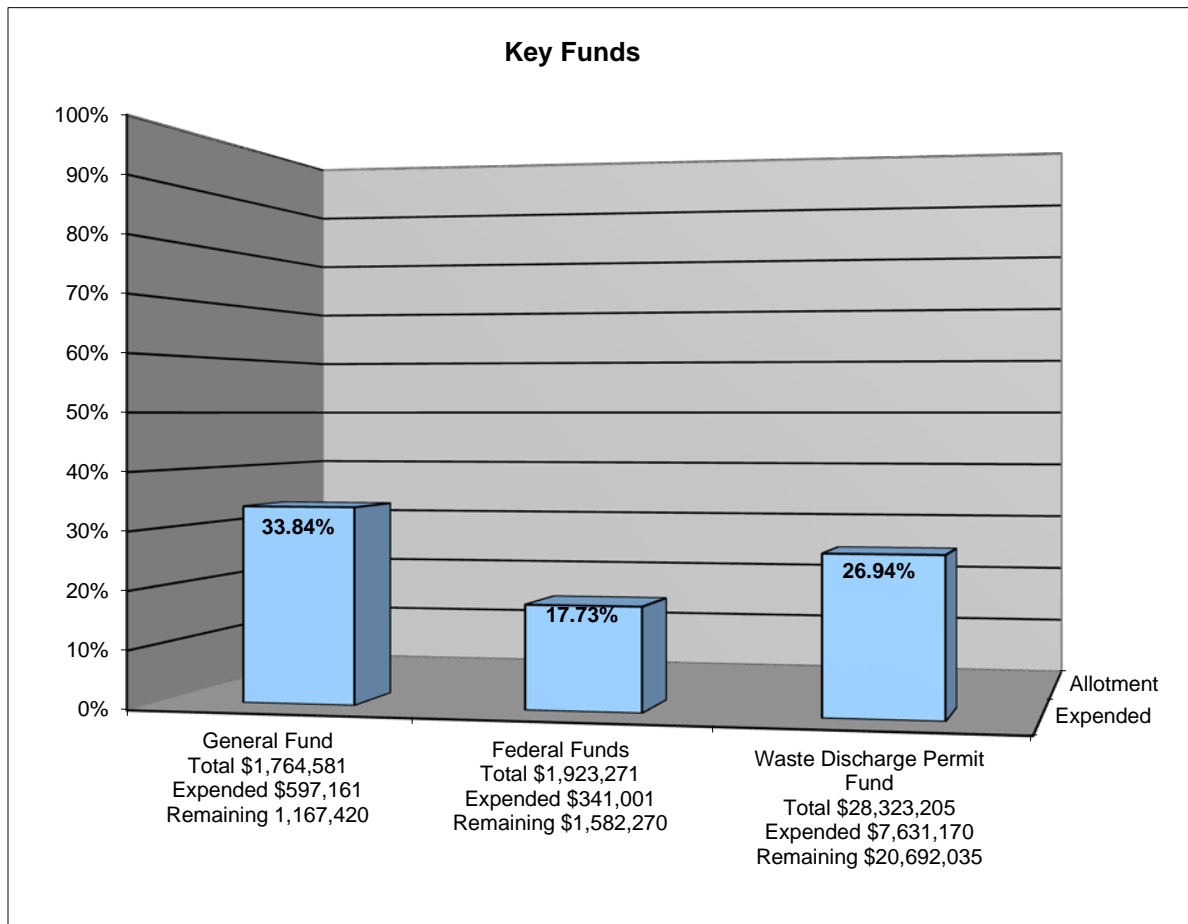
The information below represents the budget for the 2016-17 Fiscal Year. Our Operating Expense budget is \$429,264





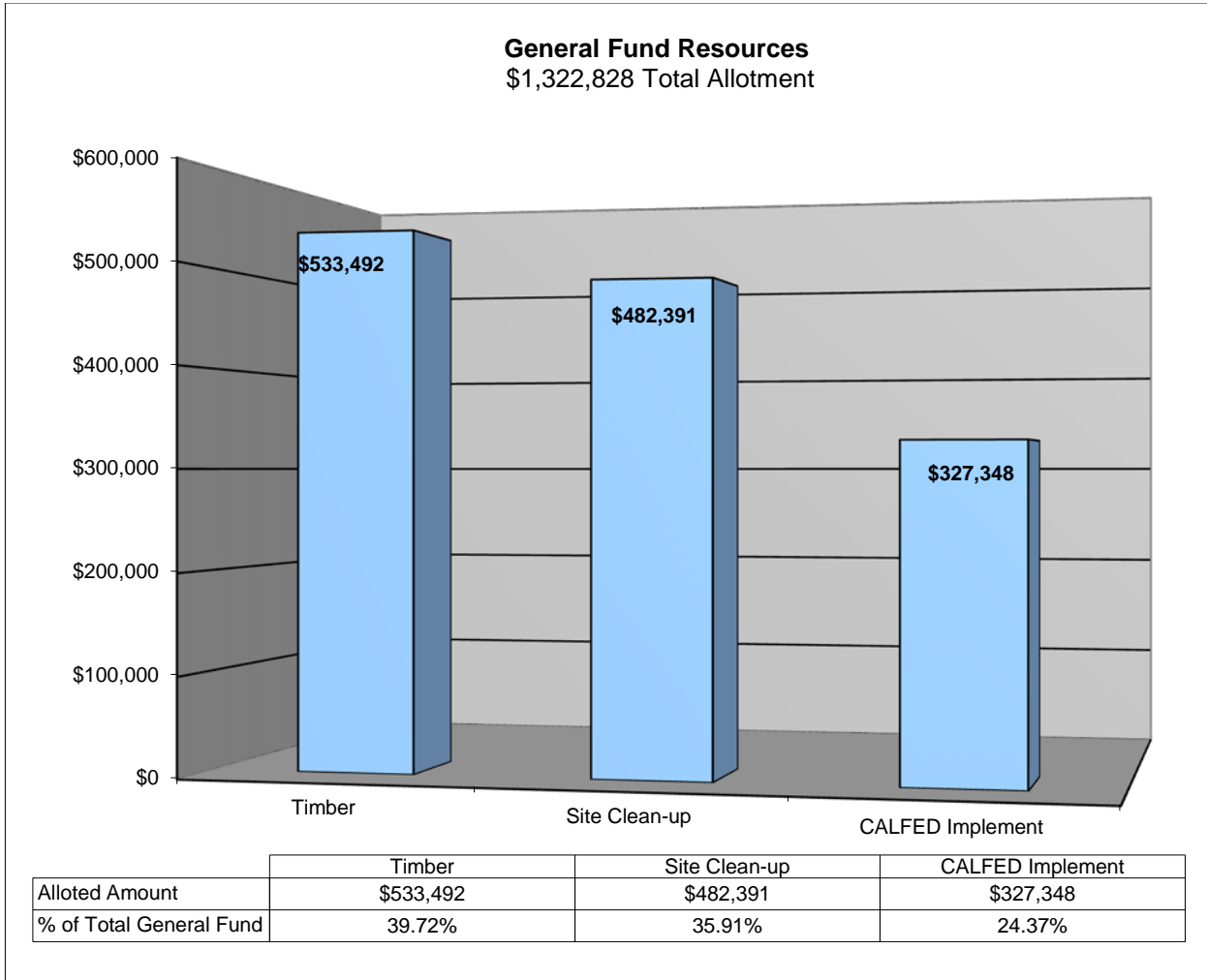
Key Funds

Key funds are provided through General, Federal (Lawrence Livermore, Leaking Underground Storage Tanks, Non-Point Source, and NPDES), and Waste Discharge Permit fund sources.



General Fund Resources:

Our General Fund budget for the 2016-17 Fiscal Year is \$1,322,828. The Legislature and the Governor have directed our General Fund monies to specific programs. We have very little discretion in shifting these resources from one program to another.



## CONTRACTS

Contract #	Contractor Name	Description	End Date	Amount
<b>Administrative Support Services</b>				
15-072-150	California Reporting	Court Reporter Services	6/30/2018	\$36,000
15-150-0758	California Reporting	Court Reporter (off-site)	6/30/2017	\$4,800
<b>Operational Support Services</b>				
15-047-150	San Jose State Foundation	Support for Statewide Mercury Control Program	3/31/2018	\$200,000
15-011-150	Moore Twining	Lab Analysis – Fresno	2/28/2018	\$130,000
15-011-150	Basic Laboratory	Lab Analysis - Redding	2/28/2018	\$110,000
15-095-150	Monterey Bay Analytical	Lab Analysis - Rancho Cordova	6/30/2018	\$160,000
15-023-150	Air Shasta Rotor & Wing	Helicopter Services	9/30/2017	\$40,000
<b>Water Quality Study/Planning</b>				
11-123-555	San Joaquin Valley Drainage Authority	CV-Salts - Phase 2	12/1/2016	\$3,800,000
13-093-150	Delta Conservancy	Delta Mercury Exposure Program	3/1/2018	\$370,000
14-025-150	Delta Conservancy	Delta Mercury Exposure Reduction Program	6/30/2017	\$370,000
14-030-150	USGS	Urban and Agriculture Pesticide Monitoring	6/30/2017	\$175,000
14-100-150	The Regents of UC Davis	Large Scale Analysis of Annual Report Data	3/31/2017	\$150,000

## **FUTURE BOARD ACTIVITIES**

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

### **DECEMBER 2016 BOARD MEETING**

- City of Redding, Clear Creek WWTP Renewal
- City of Willows WWTP Renewal

### **FEBRUARY 2017 BOARD MEETING**

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

- Los Gatos Tomatoes (Revised WDRs)
- Harris Ranch Selma Beef Processing (Revised WDRs)
- Califia Farms (New WDRs)
- Colusa Industrial Park (Revised WDRs)
- Pacific Coast Producers (Revised WDRs)
- Pactiv Corp Molded Pulp Mill Renewal
- River Highlands, Hammonton Gold Village WWTP Renewal

#### **LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27**

- Buckeye Landfill, Shasta County (Revised WDRs)
- Chestnut Avenue Landfill, Fresno County (Revised WDRs)

#### **CONFINED ANIMAL FACILITIES PROGRAM**

- General Order for Confined Bovine Feeding Operations

#### **LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27**

- Rock Creek Landfill, Calaveras County (Revised WDRs)

#### **CONFINED ANIMAL FACILITIES PROGRAM**

- General Order for Confined Bovine Feeding Operations
- General Order for Poultry Operations

### **APRIL 2017 BOARD MEETING**

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

- Burney Water District WWTP(Revised WDRs)
- City of Delano WWTF (Revised WDRs)
- City of Newman (New WDRs)
- Ingomar Packing (Revised WDRs)
- Linda County Water District WWTP Renewal
- UC Davis CABA Rescission
- Sun Pacific Shippers, Bakersfield (Revised WDRs)
- UC Davis Center for Aquatic Biology and Aquaculture (New WDRs)
- SPI Anderson (New WDRs)

#### **LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27**

- City of Bakersfield Sanitary Landfill, Kern County (Revised WDRs)
- Houston Ave. Landfill, Kings County (Revised WDRs)
-

## **JUNE 2017 BOARD MEETING**

- Angels City WWTP Renewal
- Ameripride Services, Operable Unit 3 GWTS Renewal
- City of Modesto WQCF Renewal
- Empire Mine SHP Renewal
- Malakoff Diggins New Permit
- Metropolitan Stevedore Company Renewal
- Nevada City WWTP Renewal
- Shasta Gold Corp, Washington Mine Renewal
- So. Cal Edison, Big Creek Powerhouse WWTF Rescission

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

- Atwater Regional WWTF Rescission
- Bogle Vineyards
- Bolthouse Farms, Bakersfield carrot plant (Revised WDRs)
- Bully Hill Rising Star Mines (New WDRs)
- Burney Wastewater Treatment Plant (Revised WDRs)
- CA Dept. of Corrections, Mule Creek (Revised WDRs)
- Calaveras County Water District, Copper Cove WWTF (Revised WDRs)
- Califia Farms (Revised WDRs)
- City of Angels WWTP Renewal
- City of Atwater WWTF Rescission
- City of Colfax WWTF Renewal
- City of Delano WWTF (Revised WDRs)
- City of Fresno WWTF (Revised WDRs)
- City of Galt (Revised WDRs)
- City of Lodi (Revised WDRs)
- City of Manteca WWTF (Revised WDRs)
- City of Modesto (Revised WDRs)
- City of Newman (Revised WDRs)
- City of Redding, Stillwater WWTF Renewal
- City of Richgrove WWTF (Revised WDRs)
- City of Tracy WWTP Renewal
- City of Tuolumne WWTF (Revised WDRs)
- City of Visalia WWTF (Revised WDRs)
- Clear Lake WWTP Renewal
- Colusa Industrial Park (Revised WDRs)
- Delicato Family Vineyards (Revised WDRs)
- Digger Bay Marina (Revised WDRs)
- Empire Mine State Park Renewal
- General Order for Dredging Activities not requiring a Federal Permit/General 401 Certification for Dredging Activities requiring a Federal Permit
- Golden Feather School District, Spring Valley School (Revised WDRs)
- Grizzly Ranch WW Recycling Rescission
- Ingomar Packing (revised WDRs)
- Ironhouse Sanitation District (Revised WDRs)
- Liberty Packing Tomato Processing (Revised WDRs)
- Linda County Renewal
- London CSD (Revised WDRs)
- Los Gatos Tomato (Revised WDRs)
- Malaga WWTF Rescission
- Maxwell PUD (Revised WDRs)
- McCloud WWTF(Revised WDRs)

- Metropolitan Stevedore Co Renewal
- Miners Ranch Rescission
- Modesto WQCF Renewal
- Mokelumne Rim Vineyards (Revised WDRs)
- Mountain House WWTP Renewal
- Nevada City Renewal
- North State Rendering Tallow Plant (Revised WDRs)
- Olam Tomatoes, Williams Plant (New WDRs)
- Olson Meats (Revised WDRs)
- Pactiv Molded Pulp Mill Renewal
- Palo Cedro Wastewater Treatment Facility (Revised WDRs)
- Paradise WTP Rescission
- Placer County SMD No 1 Permit Rescission
- Portola WWTP Renewal
- Smuckers Juice Plant (Revised WDRs)
- So CA Edison Big Creek Powerhouse No. 1 WWTF Renewal
- Spanish Mine Rescission
- Spanish Mine, Nevada County (New WDRs)
- SPI Anderson Rescission
- Tasteful Selections (Revised WDRs)
- Treehouse Almonds (Revised WDRs)
- Yuba City WWTP Renewal
- UC Davis CABA Renewal
- UC Davis Center for Aquatic Biology and Aquaculture (Revised WDRs)
- Washington Mine Renewal
- Yocha De He Tribe (Revised WDRs)
- Zacky & Sons Poultry (New WDRs or MRP)

#### **LAND DISPOSAL PROGRAM – CHAPTER 15/TITLE 27**

- Rock Creek Landfill, Calaveras County (Revised WDRs)
- Loomis Landfill, Placer County (Updated WDRs)
- Loyalton Landfill, Sierra County (Revised WDRs)
- Deuel Vocational Institute, San Joaquin County (Revised WDRs)
- Union Mine Landfill, El Dorado County (Revised WDRs)
- Red Bluff Landfill, Tehama County (Revised WDRs)

#### **CONFINED ANIMAL FACILITIES PROGRAM**

- Consideration for Adoption – General Order for Poultry Facilities (new WDRs)

**SIGNIFICANT POLICIES, PLANS AND PERMITS TABLE**

See next Page

## Significant Policies, Plans and Permits Under Development or Pending Development

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-14	Organochlorine Pesticides in the Sacramento River and San Joaquin River Basin Plan	<b>2016-05-24</b> Regional Board completed CEQA Scoping meeting in July 2009. A draft summary report on OC pesticides was completed in December 2014. Loss of staff has delayed project.	Regional	R5
A-14	Central Valley Diazinon and Chlorpyrifos Basin Plan Amendment	<b>2016-04-20</b> Amendment addressing chlorpyrifos and diazinon in hundreds of valley floor rivers, streams and creeks adopted by Regional Board on 28 March 2014. Approved by the State Water Board on 16 June 2015. Requires OAL and USEPA approval before becoming effective. (Staff contact, Danny McClure)	Regional	R5
A-15	Central Valley Pyrethroids Basin Plan Amendment	<b>2016-11-15</b> In development. Scoping meeting held in October 2012. Stakeholder meetings held in Sept-Nov 2014, May-December 2015; January and June 2016. Peer reviewed Summer 2015. A Board workshop was held in February 2016. A Board information item on pyrethroid-related monitoring was held in June 2016. A workshop on a draft regulatory approach was held in August 2016. A draft Basin Plan Amendment is scheduled to be released in December 2016, a comment hearing in February 2017, and a hearing to consider adoption in June 2017.	Regional	R5
A-15	Basin Plan Amendment for a region-wide evaluation process for the Municipal and Domestic Supply (MUN) beneficial use in agriculturally dominated surface water bodies	<b>2016-05-19</b> Conducted in coordination with CV-SALTS, this Basin Plan Amendment (BPA) is the first phase of an evaluation of the appropriate beneficial uses and level of protection in Ag dominated surface water bodies region-wide. Phase I focuses on the MUN beneficial use while Phase II will focus on other beneficial uses (timelines dependent on the results from Phase I). CEQA Scoping was completed Oct/Nov 2012. The preferred alternative for this BPA is to use a water body categorization process to categorize and designate the appropriate MUN beneficial use to different types of Ag dominated water bodies based on inherent characteristics. A public information item on the development of a LIMITED-MUN beneficial use was conducted on 30 July 2015 at the Central Valley Water Board meeting. Central Valley Board workshop tentatively scheduled for 17 August 2016. Board consideration anticipated December 2016.	Regional	R5
A-15	Central Valley Diuron Basin Plan Amendment	<b>2016-05-24</b> In development. Scoping meeting held in October 2012. Originally scheduled for peer review draft release in early 2016, Board Hearing in 2016. Reviewing current water quality information which indicates effectiveness of Irrigated Lands Regulatory Program Management Plans. Delayed due to loss of staff. (Staff contact, Danny McClure)	Regional	R5



Key	Item	Status	Statewide or Regional Project	Org. Lead
A-14	Central Valley Diazinon and Chlorpyrifos Basin Plan Amendmen	<b>2016-11-02</b> Amendment addressing chlorpyrifos and diazinon in hundreds of valley floor rivers, streams and creeks adopted by Regional Board on 28 March 2014. Approved by the State Water Board on 16 June 2015. Requires OAL and USEPA approval before becoming effective.	Regional	R5
A-15	Central Valley Diuron Basin Plan Amendment	<b>2016-11-02</b> Scoping meeting held in October 2012. Originally scheduled for peer review draft release in early 2016, Board Hearing in 2016. A review of the most current water quality information indicates the Irrigated Lands Regulatory Program is effectively addressing all diuron impairments. Therefore staff is preparing documentation for de-listing or listing the impairments as being addressed by an existing regulatory program.	Regional	R5
A-15	Basin Plan Amendment for a region-wide evaluation process for the Municipal and Domestic Supply (MUN) beneficial use in agriculturally dominated surface water bodies	<b>2016-11-02</b> Conducted in coordination with CV-SALTS, this Basin Plan Amendment (BPA) is the first phase of an evaluation of the appropriate beneficial uses and level of protection in Ag dominated surface water bodies region-wide. Phase I focuses on the MUN beneficial use while Phase II will focus on other beneficial uses (timelines dependent on the results from Phase I). CEQA Scoping was completed Oct/Nov 2012. The preferred alternative for this BPA is to use a water body categorization process to categorize and designate the appropriate MUN beneficial use to different types of Ag dominated water bodies based on inherent characteristics. A public information item on the development of a LIMITED-MUN beneficial use was conducted on 30 July 2015 at the Central Valley Water Board meeting. A Central Valley Board workshop was held on 17 August 2016 and focused on Implementation. Board hearing scheduled February 2017 with Board consideration in April 2017.	Regional	R5
A-15	Central Valley Pyrethroids Basin Plan Amendment	<b>2016-11-02</b> In development. Scoping meeting held in October 2012. Stakeholder meetings held in Sept-Nov 2014, May-December 2015; January and June 2016. Peer reviewd Summer 2015. A Board workshop was held in February 2016. A Board information item on pyrethroid-reltaed monitoring was held in June 2016. A workshop on a draft regulatory approach was held in August 2016. A draft Basin Plan Amendment is scheduled to be released in Fall 2016, a comment hearing in February 2017, and a hearing to consider adoption in June 2016.	Regional	R5
A-16	Implement Lower San Joaquin River Salt/Boron TMDL	<b>2016-11-02</b> TMDL requires USBR and agricultural dischargers to operate under WDRs with monthly salt load allocations OR the development of MAA with USBR to mitigate salt loading to river and operation under a Central Valley Water Board approved real-time salinity management program (RTMP) for agricultural dischargers. Both updated MAA and a phased RTMP approved during 4 December 2014 Central Valley Water Board meeting (Resolutions R5-2014-0150 and R5-2014-0151, respectively). Salt load allocations also incorporated into appropriate Ag Coalition WDRs with option to participate in Board approved RTMP. USBR FY15/16 Annual Workplan to address salt loading accepted by EO on 24 September 2015, with Addendum in November 2015. USBR also submitted an annual report update in January 2016. The RTMP stakeholders formed a steering committee in October 2015 with the first meeting on March 1, 2016. The steering committee submitted its first annual report on March 31, 2016. The steering committee has applied for a DWR grant for west side San Joaquin Valley monitoring stations on tributaries to the Lower San Joaquin River. USBR FY16/17 Annual Workplan was accepted by EO in September 2016.	Regional	R5

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-16	Establish New Water Quality Objectives for Salinity and Boron in the Lower San Joaquin River - Amendment to the Sacramento River and San Joaquin River Basin Plan.	<b>2016-11-02</b> Regional Board completed CEQA Scoping meeting in March 2009. Development of proposed water quality criteria for inclusion in a staff report in support of a proposed BPA establishing EC WQOs has been completed in 2015 by the stakeholder driven, CV-SALTS Lower San Joaquin River sub-committee. Staff are preparing the staff report and proposed BPA. A Regional Board workshop was held on 17 August 2016 and provided an overview of the proposed amendment. A Regional Board Hearing to accept public comments will in December 2016, and consideration for adoption of the amendment will be in February 2017.	Regional	R5
A-16	General Order for Poultry Facilities	<b>2016-10-28</b> General Order for poultry raising and egg laying facilities. Information item on draft poultry order was presented in April 2016. Administrative Draft has been circulated. Release of the Tentative Order on 23 September 2016 for comment, and is to be presented in front of the Board for consideration in December 2016. Comment period has closed. Currently responding to comments	Regional	R5
*A-16	Phase I update of the Bay-Delta Plan:- San Joaquin River flows and southern Delta salinity.	<b>2016-08-03</b> The Draft Substitute Environmental Document (SED) was released on December 31, 2012 for public comment. Hearing to receive comments on the SED was held on March 20-21, 2013, and comments were received by March 29, 2013. Revised Draft SED to be recirculated for public comment in summer of 2016. Draft plan amendment to be brought to the Board for consideration in early 2017.	Statewide	SB
A-16	Petition Order for Central Valley Regional Board's Eastern San Joaquin Agricultural Order	<b>2016-10-05</b> On February 8th, 2016, the State Water Board released a proposed order, SWRCB/OCC File A-2239(a)-(c), in response to petitions for review of the Central Valley Regional Water Quality Control Board's Eastern San Joaquin Agricultural Order. On May 4, 2016, a Board workshop was held at the Cal/EPA Building in Sacramento, followed by an additional Board workshop in Fresno, CA on May 17, 2016. The deadline for written public comments was June 1, 2016. A staff workshop will be held in Sacramento at CalEPA on October 19, 2016 to provide an opportunity for petition staff to ask detailed questions in response to comments received.	Statewide	SB
A-16	General Order of WDR for Discharges Related to Timberland Management in the Central Valley	<b>2016-09-15</b> Two initial public meetings were held in late 2015 to discuss changes to the current Timber Waiver of WDRs, this resulted in the drafting of a General Order. Two additional public meetings were held in April 2016 to go over the working draft, resulting in the forming of subject-specific focus groups. Staff will take an informational item to the board in October 2016 and expects to take a final proposal to the board in spring 2017.	Regional	R5

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-16	Big Creeks Projects - Clean Water Act, Section 401, Water Quality Certification	<b>2016-10-25</b> The State Water Board is developing a water quality certification and associated California Environmental Quality Act (CEQA) document for six hydroelectric projects that are owned and operated by Southern California Edison Company in Fresno and Madera counties: Big Creek Nos. 2A, 8, and Eastwood; Big Creek No. 3; Mammoth Pool; Vermillion Valley; Portal; and Big Creeks Nos. 1 and 2. The water quality certification will become part of the Federal Energy Regulatory Commission licenses for the six projects. The draft certification and draft CEQA document are expected to be released for public review in the Fourth Quarter 2016.	Statewide	SB
A-16	Report to Legislature on the feasibility of developing uniform recycling criteria for direct potable reuse	<b>2016-10-27</b> Division of Drinking Water staff are working to prepare a final draft Report to the Legislature. As required by Water Code section 13563, a public review draft of the report was completed, noticed and posted for a 45-day public review and comment period. The public comment period opened on September 8 and closed on October 25, 2016. Staff are reviewing the comments received, and anticipate taking an informational item to the Board on December 6, 2016.	Statewide	SB
A-16	Trash Water Quality Control Plan Amendments Implementation- Approved Treatment Control devices and systems	<b>2016-11-01</b> On January 12, 2016, U.S. EPA approved the State Water Board Trash Water Quality Control Plan Amendments. The Amendment directs the State Water Board staff to develop a list of approved treatment control devices and systems that meet the requirements for certification as "full capture systems" as defined in the Trash Water Quality Control Plan Amendments. In September 2016, staff, in coordination with CASQA, requested information from local municipalities about their experiences with the Full Capture Systems. Information regarding the Full Capture Systems will be merged onto the list as a reference to others seeking to implement a specific system. The completed and approved Full Capture System list will be available to the public on the State Water Board Municipal Storm Water website ( <a href="http://www.waterboards.ca.gov/water_issues/programs/stormwater/">http://www.waterboards.ca.gov/water_issues/programs/stormwater/</a> ) on December 9, 2016.		
A-16	Surface Water Augmentation with Recycled Water Regulations	<b>2016-10-27</b> The Division of Drinking Water is currently developing the regulation package for use of recycled water to augment surface water reservoirs used for drinking water supplies. As required by Water Code sections 13562 and 13565, an Expert Panel has been assembled to review the criteria and to ultimately make a finding that the criteria are protective of public health. The Expert Panel reviewed the initial draft regulation, which was then submitted for completion of the peer review process required via H&SC section 57004. The Expert Panel has reviewed the peer review comments and is currently formally reviewing the latest draft regulation. If acceptable, the regulation will be noticed for public comment.	Statewide	SB
A-16	Revised Total Coliform Rule	<b>2016-10-27</b> The Federal Revised Total Coliform Rule became effective on April 1, 2016. Division of Drinking Water staff are in the process of drafting state regulations that are at least as stringent as federal regulations but include California-specific requirements. Staff anticipate releasing draft regulations in January 2017 during public workshops, with a public review period in May/June 2017 and a proposed Board Adoption date in August 2017.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-17	Bacteria Standards for Ocean and Inland Surface Waters	<b>2016-11-02</b> The State Water Board is developing proposed statewide bacteria water quality objectives and a proposed control program to protect human health in waters designated for water contact recreation (REC-1) from the effects of pathogens. The bacteria objectives are proposed to be adopted as amendments to the Statewide Inland Surface Waters, Enclosed Bays and Estuaries Plan, and the California Ocean Plan. Staff plans to release draft documents for public review and comment in February of 2017. State Board Web site: <a href="http://www.waterboards.ca.gov/bacterialobjectives/">http://www.waterboards.ca.gov/bacterialobjectives/</a>	Statewide	SB
A-17	Phase II Small Municipal Separate Storm Sewer System (MS4) Permit Amendment	<b>2016-11-01</b> State Water Board staff developed a proposed amendment for the Small MS4 Statewide General Permit, Attachment G (titled Region-specific Total Maximum Daily Loads (TMDL) Implementation Requirements) and the permit Fact Sheet. The proposed amendment includes:(1) new and revised implementation requirements based on corresponding TMDL wasteload allocations, and (2) final compliance dates for the new and revised implementation requirements. In 2015, an informal draft amendment was released to Regional Water Quality Control Board staff and permittees for administrative review, and subsequent workshops were conducted throughout the state as requested. The draft amendment was changed and the Fact Sheet rewritten to provide history and basis for the TMDL Amendment.	Statewide	SB
A-17	Statewide Aggregate General Order	<b>2016-08-25</b> DWQ is preparing a statewide general order for aggregate processing facilities that discharge to land.	Statewide	SB
*A-17	Phase II update of the Bay-Delta Plan: Comprehensive Review	<b>2016-07-13</b> State Water Board staff is in the process of a phased review and update of the 2006 Water Quality Control Plan for the Bay-Delta (2006 Bay-Delta Plan). The second phase of the review focuses on the following issues: (1) Delta outflow objectives, (2) export/inflow objectives, (3) Delta Cross Channel Gate closure objectives, (4) Suisun Marsh objectives; (5) potential new reverse flow objectives for Old and Middle Rivers; (6) potential new floodplain habitat flow objectives; (7) potential changes to the monitoring and special studies program, and (8) other potential changes to the program of implementation. Staff is preparing a Scientific Basis Report that will provide the underlying scientific support for proposed flow and water quality objectives. The Report will consider recommendations provided in the Delta Science Program's Workshops Panel Summary Reports on Delta Outflows and Related Stressors (May 2014) and Interior Delta Flows and Related Stressors (July 2014). The working draft Scientific Basis Report is expected to be released for public review in late spring/early summer 2016. Staff is also developing a Substitute Environmental Document that will provide an evaluation of the potential environmental impacts of the proposed changes to the Bay-Delta Plan. This document is expected to be released for public review in 2017.	Statewide	SB
A-17	Nonpoint Source (NPS) Implementation and Enforcement Policy Amendments	<b>2016-10-03</b> The NPS Implementation and Enforcement Policy (NPS Policy) is being updated as directed by Resolution 2012-0004 to reflect the current funding mechanisms for State Water Board and Regional Water Quality Control Board regulation of nonpoint source wastewater discharges. A draft for public review is tentatively scheduled for release in early 2017.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-17	Unified Program Underground Storage Tank Surcharge Increase	<b>2016-10-18</b> Underground Storage Tank (UST) Leak Prevention Program, as part of the CalEPA Unified Program, is funded by a surcharge applied to each operating UST. Surcharge funding is authorized by California Health and Safety Code. Revenue from the surcharge is intended to cover operating costs at the State Water Resources Control Board to oversee and implement the program, however the current amount fails to do so.	Statewide	SB
A-17	Industrial General Storm Water Permit Amendment for TMDL Implementation	<b>2016-10-27</b> State Water Board staff is developing an Industrial General Permit amendment to incorporate proposed TMDL implementation language into the statewide permit. The proposed permit amendment is being developed in collaboration with the four Regional Water Boards that have adopted TMDLs that include industrial storm water discharges as a pollutant source of water body impairment (San Francisco Bay, Los Angeles, Santa Ana, and San Diego Regional Water Boards). The public noticing periods for the four Regional Water Board's draft TMDL implementation language have closed. The Regional Water Boards will not take any board action on the proposed TMDL implementation language. State Water Board staff is reviewing all comments received during the Regional Water Board's public comment periods and developing proposed TMDL implementation language for a subsequent public comment period. State Water Board staff anticipates release of the proposed TMDL implementation language for public comment in early 2017. State Water Board consideration of the proposed permit amendment is anticipated for mid-2017.	Statewide	SB
A-17	Mercury TMDL and Implementation Plan (Statewide Reservoirs)	<b>2016-10-31</b> Staff from Regions 2&5 and State Water Board are developing a TMDL and implementation plan to address fish mercury (Hg) impairments in about 160 reservoirs around the state. Staff is preparing the scientific and technical analysis (source analysis, linkage, targets, allocations, and implementation plan options), and regulatory provisions for the implementation plan. Staff met with reservoir operators and other stakeholders in early June 2016. Staff is developing a survey for reservoir operators to provide info on current reservoir management practices.	Statewide	R5
A-17	Mercury Water Quality Objectives & Implementation	<b>2016-11-02</b> In coordination with the Reservoir Mercury TMDL team, staff is preparing mercury water quality objectives and a plan of implementation. Scientific peer review was initiated on May 1, 2016, and the scientific reviewers comments were received on September 28, 2016. Staff are in the process of completing the draft staff report. The draft mercury amendment was provided to the Regional Water Boards for review and comment on October 24, 2016. The draft staff report and the draft regulatory language are expected to be released to the public at the beginning of 2017.	Statewide	SB
*A-17	Maximum Contaminant Level (MCL) for 1,2,3-Trichloropropane (1,2,3-TCP)	<b>2016-10-27</b> Division of Drinking Water staff are in the process of drafting the regulation and are working on the CEQA analysis, the Standardized Regulatory Impact Assessment (Major Regulation), and the external scientific peer review. Staff held focused stakeholder meetings in Visalia, Fresno, and Bakersfield in May and early June and held public workshops in Sacramento (July 20), Bakersfield (July 26), and Fresno (July 28) where the preliminary staff recommendation for an MCL was presented to the public. These meetings and workshops will be followed by a public comment period and public hearing in fall/winter 2016. Staff anticipate a Board Adoption date in early 2017, and then provide the regulations package to OAL for its review and approval. The MCL is anticipated to be effective in the summer of 2017.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-17	State Water Board Water Quality Enforcement Policy Amendments	<b>2016-10-26</b> State Water Board staff has prepared proposed amendments to the Water Quality Enforcement Policy (Enforcement Policy). In 2010, the State Water Board adopted Resolution No. 2009-0083 amending the Enforcement Policy, which was approved by the Office of Administrative Law. The Enforcement Policy establishes a methodology for assessing administrative civil liability. The use of this methodology addresses the factors that are required to be considered when imposing a civil liability as outlined in Water Code section 13385, subdivision (e). The revised Enforcement Policy was released for public comment in August 2016. State Water Board consideration is planned for Feb. 2017.	Statewide	SB
A-17	Statewide General Waste Discharge Requirements Order for Wineries	<b>2016-10-04</b> State Water Board staff has prepared a concept paper for developing a statewide general order for wineries. Staff is collaborating with stakeholders to prepare a draft requirements matrix. Staff continues to hold meetings with wine industry representatives performed and additional outreach meetings will be scheduled.	Statewide	SB
A-17	Toxicity Amendments to the Inland Surface Waters, Enclosed Bays, and Estuaries Plan	<b>2016-10-27</b> The draft amendment was circulated to the various Regional Boards for review and comment. Staff plan to hold a series of focused stakeholder outreach meetings before the end of 2016 to discuss the proposed toxicity amendment. Public Release of the draft staff report and proposed amendment is anticipated for early 2017 with a Board Hearing in April 2017. The proposed amendment is anticipated to be presented to the Board for consideration in July 2017.	Statewide	SB
*A-17	Procedures for Discharges of Dredged or Fill Materials to Waters of the State (Proposed for Inclusion in the Water Quality Control Plan for Inland Surface Waters and Enclosed Bays and Estuaries)	<b>2016-11-01</b> State Water Board staff is developing proposed Procedures for Discharges of Dredged or Fill Materials to Waters of the State. The draft procedures were released for public comments on June 17, 2016 and the Board held a hearing on July 19th. The Comment period closed on August 18. Staff is reviewing comments and working on revisions to the policy.	Statewide	SB
A-17	Natural Gas Company Discharges from Hydrostatic Testing Of Pipelines and Related Activities	<b>2016-10-21</b> State Water Board staff is working with stakeholders to develop a Statewide General Order to regulate discharges from construction, hydrostatic testing, operation, and maintenance of natural gas facilities. The proposed Statewide General Order will provide regulatory coverage for discharges to surface water and land. The proposed Statewide General Order and the proposed CEQA documents will be issued for public review and comment in early 2017, with subsequent State Water Board consideration of adoption in Spring 2017.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
*A-17	2014 and 2016 California Integrated Report Adoption	<b>2016-11-01</b> Staff will combine the 2014 and 2016 California Integrated Reports and schedule the California CWA Section 303(d) List for approval at a State Water Board Meeting not later than September 2017. This will allow the six participating Regional Water Boards (2, 3, 4, 5, 8, and 9) sufficient time to complete development of their reports and complete their Regional Water Board approval process.	Statewide	SB
*A-17	Sediment Quality Objectives (SQOs) for Enclosed Bays and Estuaries: Phase II*	<b>2016-11-02</b> Water Board staff is developing a methodology to implement and assess sediment quality in relation to the narrative human health SQO that protects human consumers from contaminants that bioaccumulate from the sediment into fish tissue. Staff is using the Los Angeles Long Beach Harbors TMDL as a case study to address many of the issues associated with the human health implementation framework as well as addressing other questions related to the application of SQOs as TMDL targets. Several groups and committees, including the SQO Advisory Committee, the Agency Coordination Committee, and the Harbor Technical Work Group (HTWG), are collaborating on studies that will assist in the development, testing, and implementation of Phase II SQOs. Staff presented an information item to the State Board on October 7, 2015. The SQO's are under development. Staff anticipates that the case study and test drive will be completed by late this year, followed by release of draft documents in April 2017. A public hearing, board workshop and board meeting are anticipated for May 2017, October 2017 and December 2017 respectively.	Statewide	SB
A-18	Permanent (Regular) Regulations for Point Of Use/Point of Entry Treatment Devices	<b>2016-04-20</b> The State Water Board will be adopting permanent regulations governing the use of point-of-use and point-of-entry treatment devices by a public water system (PWS), in lieu of centralized treatment. Existing law requires the State Water Board to first adopt emergency regulations, followed by standard regulations, to establish criteria for applicable PWS that choose to provide treatment for drinking water through the use of POU or POE treatment devices. Emergency regulations were adopted by the Board on March 15, 2016 and became effective on April 1, 2016. Permanent regulations have to be effective by January 1, 2018 and Division of Drinking Water staff are in the process of drafting the permanent regulations.	Statewide	SB
A-18	Biostimulatory & Biological integrity Project	<b>2016-11-01</b> Staff held Focus Group meetings from February 2016 to June 2016. An outreach document is available for public review at the State Water Board's website on the nutrient objectives webpage. Staff plans to update the project's Regulatory and Stakeholder Advisory Groups on the technical science and information received during the focused stakeholder outreach meetings. Southern California Coastal Water Research Project (SCCWRP) staff are researching and developing the biological condition gradient(BCG) model that will be used in the assessment of the effects of nutrients on stream biological conditions. A CEQA scoping meeting is anticipated in late 2017. Staff are preparing for outreach to the Regulatory Assessment Group and larger Stakeholder group.	Statewide	SB
A-18	Statewide Urban Pesticides Reduction	<b>2016-10-04</b> The State Water Board is developing a statewide multi-agency framework for urban pesticides reduction that will be proposed as amendments to both the Inland Surface Waters, Enclosed Bays, and Estuaries Plan, and to the Ocean Plan. An multi-stakeholder project team is developing proposals for (1) framework for interagency coordination, (2) a regional monitoring framework, and (3) suggested permit language for MS4 permittees. The project is in early development phase with outreach expected to begin in early 2017.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
A-18	Recycled Water Policy Update	<b>2016-09-16</b> State Water Board staff is drafting a resolution for the State Water Board's consideration in Fall of 2016 regarding updating the Recycled Water Policy. Please note that this resolution is intended to outline what needs to be updated or added to the policy and direct staff to work with stakeholders to develop an updated policy and bring it to the board in the future. State Water Board staff is also developing a project charter and timeline for the next update of the Recycled Water Policy.	Statewide	SB
A-18	Environmental Laboratory Accreditation Regulations	<b>2016-10-27</b> Division of Drinking Water staff will draft new regulations governing the accreditation of laboratories under the Environmental Laboratory Accreditation Program (ELAP). The draft regulations clarify the roles of State Water Board lab auditors and the laboratories to ensure efficient, effective, and flexible implementation of ELAP. The draft regulations are in development and staff anticipate compiling the final regulation package in the last quarter of 2016 and initiate the rule-making process in the 2nd quarter of 2017.	Statewide	SB
*A	Onsite Wastewater Treatment Systems (OWTS) Policy Implementation	<b>2016-10-04</b> The Local Agency Management Plan (LAMP) Guidance document was transmitted to the Regional Water Boards on June 4, 2015. All of the Regional Water Boards have amended their Basin Plans to implement the OWTS Policy. The State Water Board approved the amendments for Regions 1 through 9. State and Regional Water Board staff have been meeting with local agencies to facilitate LAMP development. On June 24, 2016, State Water Board staff held an informational forum with the Regional Boards to discuss policy implementation, LAMP submittals and reviews, challenges & successes, and statewide program coordination. To date, eight LAMPs have been approved by Regional Boards.	Statewide	SB
A	Chlorine Amendment	<b>2016-06-21</b> The draft Total Residual Chlorine and Chlorine-Produced Oxidants Policy of California is being converted into an amendment to the Water Quality Control Plan for Inland Surface Waters, Enclosed Bays, and Estuaries of California. This action is a priority for U.S. EPA.	Statewide	SB
A	SB 83, Section 45 - Produced Water Pond Report	<b>2016-08-24</b> The State Water Board posted on its website a status report on the regulation of oil field produced water ponds within each region on July 29, 2016. Link to report: <a href="http://www.waterboards.ca.gov/water_issues/programs/groundwater/sb4/index.shtml">http://www.waterboards.ca.gov/water_issues/programs/groundwater/sb4/index.shtml</a> . Produced water is water extracted during oil production. The report included a tally of produced water ponds statewide by region, the number of permitted and unpermitted ponds, enforcement actions taken, and the status of permitting the unpermitted sites. The report will be updated every six months.	Statewide	SB
A	Natural Resources	<b>2016-10-03</b> Staff is considering recommendations for making designations where natural background exceeds the water quality objectives.	Statewide	SB



Key	Item	Status	Statewide or Regional Project	Org. Lead
A	CV-SALTS Developing a Salinity and Nitrate Management Plan for all basins in the Central Valley Basin Plan Amendment for the Sacramento River and San Joaquin River Basin Plan, Tulare Lake Basin Plan and the Delta Water Quality Control Plan	<b>2016-11-02</b> Revised strategy and workplan to address funding constraints February 2012. Case studies evaluating appropriate beneficial uses and associated water quality objectives for AGR and MUN in surface and groundwater. Initial modeling results for salinity/nitrate source and fate and assimilative capacity completed. Implementation alternatives under evaluation. CEQA Scoping meetings completed October 2013. Draft SNMP Framework in 2014. Final SNMP in 2016. State Water Board annual report presented at 16 February 2016 Board Meeting. Central Valley Water Board workshop held 22 June 2016 on framework and policies to support implementation. Submittal of final SNMP end of 2016.	Regional	R5
A	General Order for Bovine Feedlots	<b>2016-10-28</b> General Order to regulate bovine feedlots (other than dairies - e.g., heifer facilities, calf raising facilities, beef cattle facilities). Administrative Draft has been circulated. Tentative release is scheduled for December 2016, and is anticipated to be presented to the Board for consideration in February 2017.	Regional	R5
A	Blue Green Algae Action Levels	<b>2016-10-03</b> State Water Board staff is working with a multi-entity workgroup consisting of the Water Boards, California Department of Public Health, Office of Environmental Health Hazard Assessment, United States Environmental Protection Agency, California Fish and Wildlife, the Department of Water Resources, tribes, water managers, and other interested parties to collaboratively work toward solutions in protecting the public, pets, livestock, and wildlife from the effects of harmful algal blooms (HABs). A charter for the CCHAB Network (a workgroup of the Water Quality monitoring Council) was approved by the CCHAB Network on September 29th. The group has also completed updates to portions of the the Draft Voluntary Guidance Document for California HABs related to cyanotoxin action levels, monitoring, and posting public notices of warning or closure. A web portal has been developed and is available to the public to assist in tracking blooms and alerting the public to the possible risks. Additional resources are being developed, including more complete information on sampling and monitoring blooms, information sheets for veterinarians, physicians, and the public on symptoms and health effects, and possible mitigation measures. The CCHAB Network meets quarterly in January, April, July, and October.	Statewide	SB
A	New winery waste guidelines	<b>2016-11-02</b> Industry recommendations have been reviewed by CV-SALTS Management Practices Subcommittee. Currently the CV-SALTS Management Practices Subcommittee is on hold while salinity management alternatives are being evaluated.	Regional	R5

Key	Item	Status	Statewide or Regional Project	Org. Lead
A	Development of water quality criteria for the herbicides oxyfluorfen, prometryn, simazine and trifluralin and the insecticide fipronil. Recommended aquatic life criteria are being developed UC Davis under contract with RB5.	<b>2016-09-09</b> Draft UC Davis criteria documents for the four herbicides were released for public comment (including comments on potential peer review topics) in June 2016. A draft fipronil criteria document is scheduled for release September 2016. Peer reviews are scheduled for August-September 2016. Final reports will be complete in April 2017. for more information please see: <a href="http://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/central_valley_pesticides/criteria_method/">http://www.waterboards.ca.gov/centralvalley/water_issues/tmdl/central_valley_projects/central_valley_pesticides/criteria_method/</a>	Regional	R5
A	USFS MOU for BAER activities	<b>2016-05-20</b> Staff has engaged the USFS in drafting an MOU that will outline the process by which the Regional Boards may choose to participate in USFS Burned Area Emergency Response (BAER) teams. Temporarily on hold due to vacancies at the Regional USFS office.	Regional	R5
A	Development of permit for Federal Non-Point Source activities on Forest Lands	<b>2016-09-15</b> R5 staff is working with the USFS and the BLM to develop a permit to cover NPS activities with the potential to affect water quality. An EIR will be developed to address CEQA.	Regional	R5
A	Delta Regional Monitoring Program-RMP	<b>2016-10-31</b> The Delta RMP work plan and budget for FY16/17 includes toxicity/pesticides, pathogens, mercury, and nutrients.	Statewide	SB
A	Revision of General Order for Existing Dairies	<b>2016-10-28</b> Revision of Revised General Order R5-2013-0122 to include requirements for land application areas consistent with the Irrigated Lands Regulatory Program requirements. Will draft revisions following Board consideration of the General Order for Bovine Feedlots.	Regional	R5
A	Groundwater Quality Protection Strategy	<b>2016-10-28</b> At the Central Valley Water Board's September 2010 meeting Resolution #2010-0095 was adopted which approved the Groundwater Quality Protection Strategy for the Central Valley Region, A Roadmap. Progress reports on the implementation of the priority actions were provided at the June 2012, December 2013, and February 2016 Central Valley Water Board meetings. At the February 2016 Board Meeting staff presented a draft Addendum to update the Strategy. Addendum has been finalized to incorporate Board input and posted on the Board's website. Fiscal Year 16/17 Workplan for ongoing and new actions is under development.	Regional	R5

Key	Item	Status	Statewide or Regional Project	Org. Lead
A	Cadmium Objective and Hardness Implementation Policy	<b>2016-11-01</b> U.S. EPA updated its 304(a) recommended criteria for acute and chronic freshwater and saltwater aquatic life beneficial uses. However, the freshwater criteria are less stringent than required by the Endangered Species Act biological reviews of the California Toxics Rule in 2000 and the 2002 U.S. EPA acute cadmium criterion for freshwater adopted by the State of Oregon. Because Oregon shares Evolutionarily Significant Units for listed (threatened or endangered) species with Northern California, staff is awaiting the outcome of a rulemaking by U.S. EPA specific to Oregon. The rulemaking is expected to be finalized in summer 2019. Staff is developing proposed policy options for statewide cadmium objectives given this complex set of national and regional U.S. EPA cadmium criteria.	Statewide	SB
A	Statewide Storm Water Construction General Permit Reissuance	<b>2016-10-18</b> State Water Board staff is developing the draft permit language for the reissuance of the current Statewide Storm Water Construction General Permit (also referred to as the CGP). The proposed CGP reissuance will include implementation of Total Maximum Daily Loads (TMDLs) and revisions to update the CGP requirements per information collected during the term of the existing permit. Further information on the development of the proposed permit reissuance, including stakeholder outreach information, will be located on the State Water Board's Construction Storm Water Program website at: <a href="http://www.waterboards.ca.gov/water_issues/programs/stormwater/construction.shtml">http://www.waterboards.ca.gov/water_issues/programs/stormwater/construction.shtml</a>	Statewide	SB
A	Suction Dredge Mining Activity	<b>2016-10-03</b> Senate Bill 637 updated the Water Code and Fish and Game Code to allow issuance of permits for suction dredge mining if certain conditions are certified by the Department of Fish and Wildlife and if permits are issued by the Department of Fish and Wildlife, but only once a permit is issued by the State Water Board. Senate Bill 637 first requires Water Boards staff to conduct stakeholder outreach to determine what type or action the Water Boards should take. Water Boards staff will conduct public outreach in January and February 2017.	Statewide	SB
A	Implement Mercury TMDL/Control Program in Cache Creek Watershed - Sacramento River and San Joaquin River Basin Plan	<b>2016-10-31</b> Mining wastes at six inactive mercury (Hg) mines in the upper Cache Creek watershed were remediated in summer 2016 to prevent the continued erosion of mercury sediment into Sulphur Creek, a tributary to Cache Creek.	Regional	R5
P	Water Effects Ratios	<b>2016-07-25</b> The project will establish criteria for developing site specific objectives for metals based on the water effect ratios for a specific water body. Staff will prepare a proposed Water Effects Ratio Policy at a future date.	Statewide	SB

Key	Item	Status	Statewide or Regional Project	Org. Lead
P	Antidegradation Policy	<b>2016-09-28</b> The State Water Board issued a draft scoping document and held follow-up focused stakeholder meetings in June and July 2015. Comments from these meetings are summarized and posted on the program website. State Water Board staff is not actively working on a statewide policy for implementation of the Antidegradation Policy for discharges to groundwater. The draft Eastern San Joaquin River Watershed Agricultural Order addresses some of the larger issues the stakeholders identified during staff's outreach efforts. Staff will consider what additional guidance or regulatory action is necessary after the State Water Board issues a final order in the East San Joaquin matter.	Statewide	SB
P	Modify the Beneficial Uses for Freshwater Aquatic Habitat and Remove Spawning for West Squaw Creek - Amendment to the Sacramento River and San Joaquin River Basin Plan	<b>2016-11-02</b> Use Attainability Analysis was conducted to demonstrate the current beneficial uses assigned to West Squaw Creek, a stream heavily impacted by acid mine drainage, are not achievable. Specifically, the stream cannot support fish and other pH or metal sensitive aquatic species and spawning of selected fish species defined in the Basin Plan. A Staff Report including the proposed amendments and CEQA functional equivalent document was presented to the Regional Board on 9 July 2004. The Regional Board adopted Resolution R5-2004-0090 which included the UAA, Staff Report, Functional Equivalent Document and proposed amendments. BPA not approved by State Board. Staff gathering additional information to respond to State Board and USEPA comments. Expected completion date 2018.	Regional	R5
P	New Manual of Good Practice for Land Application of Food Processing/Rinse Water	<b>2016-11-02</b> Industry recommendations have been reviewed by CV-SALTS Management Practices Subcommittee. Currently the CV-SALTS Management Practices Subcommittee is on hold while salinity management alternatives are being evaluated.	Regional	R5

Status Code Key:
White = Active effort (A)
Light Green = Targeted for completion in 2016 (A-16)
Lavender = Targeted for completion in 2017 (A-17)
Pink = Targeted for completion in 2018 (A-18)
Gray = Suspended or No statewide effort at this time or Pending (P)
Note: * indicates Board Priority