

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



**EXECUTIVE OFFICER'S REPORT  
June 7-8, 2012**

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## SUCCESS STORIES

1. **No Further Action Required, Trinkle & Boys Flying Service, San Joaquin County.**

Between about 1955 and 1997, Trinkle & Boys Flying Service operated an aerial pesticide applicator service from this site at 31244 S. Hwy 33 in Tracy. Cleanup and Abatement Orders had been issued to the operators in 1987 and 1989 for failure to provide site assessments. These orders were rescinded in 1990 when monitoring wells were installed and monitored. In 1987 and 1992, fuel tanks were removed, in 2006, buildings were removed, and much of the site was turned to agricultural production. In 2008, Trinkle family members conducted assessment and monitoring that detected chlorinated herbicides in soil at concentrations much lower than residential screening levels, and no pesticides or fertilizers were found in groundwater. On 25 January 2012, the Executive Officer issued a no further action determination. (AST)

2. **Extension of City of Corning Potable Water to County Residences, Tehama County**

Central Valley Water Board staff is negotiating with Pilot Flying J, Discharger, owners of the former Dudley and Petty Truck Stop in Corning. The Discharger has agreed to extend City of Corning piped potable water to six private domestic wells with identified chlorinated solvents in raw water. While the Discharger has provided well owners with granulated activated carbon (GAC) wellhead filtration, piped water is a prudent long term alternative. The City and Tehama County Local Agency Formation Commission (LAFCo) have agreed to allow extension of piped water into unincorporated land. On behalf of well owners, the Discharger is now estimating comparative costs of continued GAC filtration and piped water. This will resolve the immediate public health threat, and allow more options for the ongoing groundwater cleanup effort. (EJR)

3. **No Further Action Required, Union Pacific Railroad American River Trestle Fire, Sacramento County.**

On 15 March 2007, a train trestle above the American River flood plain in Sacramento caught fire. By 26 April 2007, Union Pacific Railroad Company removed approximately 8,320 tons of debris, ash and contaminated soil. Soil, sediment and groundwater samples collected in 2007 and 2008 showed that the removal activities were protective of groundwater, aquatic and terrestrial biota, and human health. On 12 March 2012, Union Pacific Railroad was issued a no further action determination. (AST)

4. **Record of Decision for 11 Strategic Sites at the Former McClellan Air Force Base is Completed, Sacramento County.**

In April 2012, the Air Force Real Property Agency, the U.S. Environmental Protection Agency, and the Department of Toxic Substances Control, representing the State (including the Central Valley Regional Water Quality Control Board), completed the signature process for the Final Focused Strategic Sites Record of Decision (FSS ROD) for 11 sites at the former McClellan Air Force Base. The completion of this ROD is a major milestone for the McClellan cleanup program. The FSS ROD selects the final remedial actions under CERCLA for 11 Installation Restoration Program (IRP) sites. The FSS ROD addresses 11 IRP sites that are considered "strategic" because these sites contain the largest volume of waste to be addressed at McClellan and are the most costly of the sites requiring remedial actions. The 11 sites are a combination of large disposal pits, a former fire training area, and a small arms firing range. The Air Force proposes to take a remedial action under CERCLA for all 11 of the sites. The 11 sites contain volatile organic compounds, semi-volatile organic compounds, metals, petroleum hydrocarbons, and radionuclides in soil. The Air Force selected remedies include excavation and consolidation (placement of wastes into an engineered facility with a low permeability cover, low permeability bottom liner, and leachate collection system) and composite caps (engineered low permeability cover). (JDT)

5. **No Further Action Required – Los Banos Rail Corridor Site #2, Los Banos, Merced County**

Analytical results of soil and groundwater from investigations by Chevron Environmental Management Company for the Los Banos Rail corridor Site #2 project determined that the extent of petroleum constituents was delineated, and no further characterization was needed. Municipal water is available from the City of Los Banos. A Human Health Screening Evaluation completed in 2011 determined that no unacceptable risk existed using a potential future onsite residential or commercial/industrial worker scenario. The most likely future use will be potential construction/trench maintenance workers within the former railroad right-of-way. Adjacent property owners were notified of the proposed closure and one

comment was received requesting an explanation of the NFAR process. Central Valley Water Board staff explained the process during a telephone conversation which was acceptable to the caller. (CDH)

6. **No Further Action Required – Central Boulevard – Brentwood Project, Brentwood, Contra Costa County.** Analytical results of soil and groundwater from investigations by Chevron Environmental Management Company for the Central Boulevard-Brentwood project determined that the extent of petroleum constituents was delineated, and no additional characterization was required. No groundwater monitoring wells are associated with the Site. A Human Health Screening Evaluation completed in 2011 determined that no unacceptable risk existed using a potential future onsite adult or child receptor or commercial/industrial worker scenario. Adjacent property owners were notified of the proposed closure and no comments were received. (CDH)
7. **No Further Action Required – Thompson Chevrolet – Former Emerald Pump Station, Patterson, Stanislaus County.** Analytical results of soil and groundwater from investigations by Chevron Environmental Management Company for the Thompson Chevrolet project determined that the extent of petroleum constituents was delineated and no further characterization was needed. A Human Health Risk Evaluation, previously reviewed by Sacramento Water Board and the State of California Office of Environmental Health Hazard Assessment staff, determined that the residual petroleum constituents in soil should not result in unacceptable risk for current or future onsite anticipated land-use scenarios. Adjacent property owners were notified of the proposed closure and no comments were received. (CDH)
8. **No Further Action Required – Designed Mobile Systems, Inc. – Former Emerald Pump Station, Patterson, Stanislaus County**  
Analytical results of soil and groundwater from investigations by Chevron Environmental Management Company for the Designed Mobile Systems, Inc. (DMSI), project determined that the extent of petroleum constituents were delineated and additional characterization was not needed. The Site was part of the former Emerald Pump Station. In 2008, excavation of crude oil impacted soil was completed adjacent to a DMSI warehouse. A Human Health Screening Evaluation completed in 2010 determined that no unacceptable risk existed using a potential future onsite residential or commercial/industrial worker scenario. Groundwater monitoring wells associated with the Site were destroyed in 2012. Adjacent property owners were notified of the proposed closure and no comments were received. (CDH)
9. **Former United Agri-Products Site, 3173 S. Chestnut Avenue, Fresno, Fresno County**  
Previous assessments indicated that low levels of pesticides were present in soils from the site's past usage as a pesticide formulation plant and chemical warehouse. Additional assessment conducted during 2011 found that remaining concentrations of pesticides do not exceed regulatory screening levels. The results of a risk assessment conducted for the site found that the remaining pesticides in soil do not pose a risk to human health, groundwater, or the environment. A Fact Sheet describing the site was distributed to nearby property owners and residents and no comments were received. (JEA)
10. Ben Letton in the Redding office received a thank you note from American Rivers Organization. Ben's prompt work on a wet meadow restoration water quality certification in Indian Valley, Plumas County, resulted in the project receiving private funding from both the National Fish and Wildlife Foundation and Coca Cola. The Associate Director of Conservation for American Rivers, Luke Hunt stated, "This is a huge step for meadow restoration, as it highlights the water footprinting/water supply value and opens the door to corporate. Coca Cola stipulated that it must be constructed this year, and thanks to you, we're on track to make that happen. Many thanks."
11. Dani Berchtold in the Redding office received the 2012 Notable Public Official Award from the Associated General Contractors of California, Shasta District for demonstrating a corporative, professional relationship with the construction industry based on mutual respect. She received the award at the AGCC Shasta District's annual meeting on April 5th.
12. **No Further Action Required - Underground Storage Tanks (UST)**  
Following are sites where Board staff determined that investigation and remediation work may be discontinued and that no further action is required. Further, any residual hydrocarbons remaining do not pose a threat to human health and safety or anticipated future beneficial uses of water. This determination is based on site-specific information provided by the responsible party, and assumes that the information provided was accurate and representative of site conditions. Article 11, Division 3, Chapter 16, Title 23 of the California Code of Regulations requires public notification when the Board

determines that corrective actions have been completed and that no further action is required at a leaking underground storage tank site. This document serves to provide public notification.

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**

**Fresno County**

- **Clovis Unified School District Maintenance Yard, 1490 East Herndon Avenue, Clovis**  
Three USTs were removed in 1996 and gasoline and diesel were detected in soil. An excavation removed 765 cubic yards of impacted soil. Fresno County referred the site to the Central Valley Water Board for oversight in 2008. An investigation performed in 2009 found only low concentrations of gasoline and diesel in soil that do not threaten beneficial uses of groundwater. The site was closed on 3 April 2012. (KDJ)
- **Commercial Building, 4909 East Dakota Avenue, Fresno**  
A release of gasoline was discovered during 1986 when the UST system was removed. Fresno County referred the site to the Central Valley Water Board for oversight in 2008. No estimate of the released mass was available and no evidence of gasoline, diesel, or motor oil constituents was discovered during a 2011 site assessment. Groundwater quality and human health are not threatened. The case was closed on 27 March 2012. (JDW)
- **Trini's Beacon, 603 G Street, Fresno**  
A release of gasoline was discovered beneath the fuel dispenser island during 1998. Fresno County referred the site to the Central Valley Water Board for oversight in 2008. No estimate of the released mass was available, and no evidence of gasoline, constituents was discovered during a 2011 site assessment. Water quality and human health are not threatened. The case was closed on 27 March 2012. (JDW)
- **M & S Texaco, 2619 South East Avenue, Fresno**  
Five USTs were removed from the site in 1997 and gasoline was detected in soil. Subsequent investigations detected gasoline in groundwater. Soil vapor extraction was performed at the site between 2002 and 2010 and removed about 244,000 pounds (~40,000 gallons) of gasoline. No petroleum hydrocarbons have been detected in groundwater since 2008. The case was closed on 20 March 2012. (JWH)
- **Squaw Valley Trading Post, 30812 East Kings Canyon Road, Squaw Valley**  
Four USTs were removed in June 1997 and gasoline and diesel were detected in soil. Subsequent investigations found the release to be predominantly gasoline, which had impacted groundwater. Soil vapor extraction and air sparging were performed at the site between October 2008 and February 2011. About 37,000 pounds (~6,000 gallons) of gasoline were removed. During the last groundwater monitoring event, gasoline concentration below drinking water standards were detected in one well. The case was closed on 13 April 2012. (JWH)
- **Quick Stop Mini Mart, 12945 South Elm Avenue, Caruthers**  
Product dispensers were upgraded in 2006 and gasoline was detected in soil. An investigation conducted in 2009 found the release to be localized and not a threat to groundwater. Less than 100 pounds (~16 gallons) of gasoline are estimated to have been released. The case was closed on 14 March 2012. (JWH)

**Kern County**

- **Kern County Fire Station 26, 14670 Lost Hills Road, Lost Hills**  
A release of diesel fuel was discovered during 2007 UST system removal activities. The local agency transferred the case to the Central Valley Region during 2011. The release was determined by a 2011 site assessment to be confined to a shallow depth and limited area beneath a fuel dispenser island. Groundwater is of poor quality, and beneficial use is unlikely to be impacted by the release. The

remaining hydrocarbons do not threaten human health and are expected to naturally degrade. The case was closed on 26 March 2012. (JDW)

### **Tulare County**

- **R. E. Havens Lease Property, 250 West Lindmore Street, Lindsay**  
A release was discovered during 1986 UST removals. Subsequent investigations detected gasoline constituents in soil and groundwater. About 6,000 pounds (~1,000 gallons) of gasoline was removed from soil and groundwater by vapor extraction and 100 cubic yards of soil was excavated from the site. Impacted groundwater is limited to the source area and is non-migrating. Water quality goals will be achieved by natural attenuation. The site is unlikely to pose a threat to human health. The case was closed on 5 April 2012. (JDW)

b) **REDDING OFFICE**

None

c) **SACRAMENTO OFFICE**

### **Calaveras County**

- **Copperopolis Forest Fire Station, 409 Main Street, Copperopolis,**  
In March 1996, a release was discovered during excavation and removal activities of a 500-gallon gasoline UST and a 500-gallon diesel fuel UST. Groundwater was encountered in the excavations at about three feet below ground surface (bgs). Following investigation, excavation and monitoring of groundwater, site pollution was shown to have decreasing levels. Groundwater is estimated to be restored for beneficial uses in about eight years. Excavation activities removed about 13.5 pounds (2 gallons) and less than 1 pound remains. The site was closed under a low risk closure scenario in March 2012. (GTM)

### **Lake County**

- **Lower Lake Union, 16095 Main Street, Lower Lake**  
Three (3) 1,000-gallon underground storage tanks (USTs) were removed and replaced in the mid-1970s. Evidence of a release was observed in soils at the time of the tank removal activities. In December 1993, an underground product line ruptured and released an additional 75 to 100 gallons of gasoline to the subsurface. Following soil vapor extraction (SVE) and air sparging (AS), site contamination has shown decreasing levels of pollutants. Excavation and SVE/AS operations removed about 6,737 pounds (1,080 gallons) of petroleum constituents, the remaining mass is estimated to be less than 578 pounds (90 gallons). The site was closed as a low risk in February 2012. (GTM)
- **Clearlake Automotive, 14090 Lakeshore Drive, Clearlake**  
The Site was previously used as a gasoline service station that operated, two 6,000-gallon gasoline USTs, one 4,000-gallon diesel and one 250-gallon waste oil UST. All USTs were removed in November 1999. Excavation and SVE/AS operations removed about 2,398 pounds of petroleum constituents. Current remaining mass is estimated to be less than 79 pounds and water quality objectives are predicted to be achieved in 10 years. The site was closed as a low risk in February 2012. (GTM)
- **Central Garage, 1825 Main Street South, Lakeport**  
The public works maintenance facility operated one 2,000 and one 12,000 gallon gasoline tanks from 1970 until 1998, when the two tanks were removed. About 400 cubic yards of contaminated soil was excavated, removing about 766 pounds (120 gallons) of petroleum constituents. Residual mass is estimated to be less than 272 pounds (45 gallons). Groundwater is predicted to reach water quality objectives within about two years. The site was closed as a low risk in March 2012. (GTM)

### **Placer County**

- **Exxon / Nella Oil, 2280 Drive In Way, Auburn**  
In April 1993, three 12,000-gallon USTs and all associated dispensers and piping were removed from the Site along with 3,800 cubic yards of gasoline impacted soil and 57,300 gallons of gasoline impacted

groundwater. A combination of excavation, soil vapor extraction, and groundwater extraction removed more than 50,000 pounds (8,000 gallons) of petroleum hydrocarbons from the subsurface, and the remaining hydrocarbons in groundwater are expected to attenuate below water quality objectives within 15 years. A land use covenant, restricting Site use and redevelopment was attached to the property deed to limit construction and drilling. The Site was closed on 3/1/2012. (PRS)

- **H & A Restaurant, 270 G Street, Lincoln**

In 1978, three 8,000-gallon gasoline USTs, three dispensers and all associated piping were removed from the site. In December 1993, elevated hydrocarbon concentrations were identified in soil and groundwater during a phase two assessment. In May 1994, 600 cubic yards of soil were excavated from the Site, removing about 100 pounds (16 gallons) petroleum. Less than a pound (<1 gallon) of petroleum fuel is estimated to remain. No hydrocarbon constituents are detected in groundwater above WQOs, and no analyzed constituents remain in shallow soil or soil gas above established human health screening levels. The Site was closed on 3/7/2012. (PRS)

- **Jackpot Food Mart, 750 Atlantic Avenue, Roseville**

In March 1991, five USTs were excavated and removed from the Site along with 450 cubic yards of gasoline impacted soil. Elevated petroleum concentrations were detected in soil and up to 1.25 feet of free product was observed in groundwater. Active remediation removed more than 8,927 pounds (1,464 gallons) of petroleum hydrocarbons and just over a pound (<1 gallon) is estimated to remain. The residual constituents in groundwater are expected to reach WQOs in about 15 years. Residual hydrocarbons in shallow soil and soil gas are unlikely to pose a threat to human health. The Site was closed on 3/2/2012. (PRS)

- **Express Mart #4, 16707 Placer Hills Road, Meadow Vista**

In August 1990, obvious gasoline impacts were observed in soil after uncovering the Site's USTs for relining. Subsequent work identified the nature and extent of the Site's subsurface gasoline plume. Active remediation removed over 30 pounds (5 gallons) of gasoline from the subsurface. Less than a pound (<1gallon) of gasoline is estimated to remain, and the residual gasoline constituents are expected to attenuate below WQOs by 2031. Low levels of diesel and toluene were detected in three of 39 samples obtained from a nearby down gradient creek, the last detection was in 2008, and the noted detections are more likely related to surface water runoff, than the Site's unauthorized release. This case was closed on 12 March 2012. (PRS)

- **Beacon #3642 (Former), 6990 Douglas Boulevard, Granite Bay**

Between July and August 1996, three 10,000 gallon gasoline USTs, a 4,000 gallon diesel UST and all associated dispensers and piping were removed from the Site. Elevated gasoline concentrations were detected in soil and groundwater beneath the Site; however, active remediation removed more than 2,000 pounds (328 gallons) of gasoline and less than a pound is estimated to remain. The residual gasoline constituents are expected to degrade below WQOs in about 25 years, and the results of a risk assessment show that the residual gasoline constituents are unlikely to pose a threat to human health. A creek located about 600 feet north of the Site, is unlikely to be impacted. The Site was closed on 14 March 2011. (PRS)

### **Sacramento County**

- **Speedbird #2, 5000 Fruitridge Road, Sacramento**

In 1998, petroleum hydrocarbons were detected in soil samples collected during UST replacement. Groundwater contamination from this Site was responsible for MtBE impacts to three municipal water supply wells. Two of the three wells have been properly destroyed and replaced and the third well is scheduled to be destroyed summer of 2012. Remedial actions included soil vapor extraction, air sparging and groundwater extraction. Combined the remedial systems removed 31,032 pounds (4,433 gallons) of petroleum. There is an estimated residual mass of 19 pounds (3 gallons) of petroleum hydrocarbons as gasoline in groundwater. MtBE will reach water quality objectives within 4 years. The site was closed on 7 March 2012. (VJF)

### **San Joaquin County**

- **Flag City Chevron, 6421 Capitol Avenue, Lodi**

In March 1995, four 12,000-gallon gasoline USTs and one 12,000-gallon diesel USTs were removed from the Site. Due to impacts to soil and groundwater, the San Joaquin County Environmental Health Department (SJCEHD) required investigation. In December 1999, the Rocky's Restaurant domestic well across from the Chevron site was impacted by MTBE, and the well was destroyed in 2002. The site was transferred to the Regional Board and Cleanup and Abatement Order (CAO) R5-00-700 was issued by the Executive Officer. A groundwater extraction system ran from 2000 to 2004 and removed about 13.13 pounds (~2 gallons) of MTBE. About 1.75 pounds (0.28 gallons) of MtBE remains in groundwater. Well destructions were completed using of SWRCB Cleanup Fund Emergency, Abandoned and Recalcitrant Account funds in 2011. On 27 March 2012, CAO R5-00-700 was rescinded and the case was closed. (JLB)

- **Montgomery Wards, 5400 Pacific Avenue, Stockton**

In June 1988, Montgomery Wards removed two 10,000-gallon gasoline USTs, one 550-gallon waste oil UST, two 1,000-gallon and two 500-gallon bulk oil USTs. Based on the soil confirmation sample results, the San Joaquin County Environmental Health Department required Wards to conduct further investigation. In August 2000, the Delta College irrigation well (250' downgradient) was impacted by petroleum hydrocarbons, and was destroyed in 2001. The investigation also showed that the plume(s) had comeingled with a release from the Unocal station at 5606 Pacific Avenue. Both sites were transferred to the Regional Board and CAO 5-00-707 was issued by the Executive Officer. Montgomery Wards declared bankruptcy in 2000, and Unocal agreed to continue remediation for both sites under the SWRCB UST Cleanup Fund Commingled Plume Acct. The combined sites SVE/AS remediation system removed 11,638 pounds (1,900 gallons) of TPHg from soil. About 356 pounds (60 gallons) of TPHg remain in soil and groundwater. Groundwater is predicted to reach WQGs by 2039. On 18 April 2012, CAO 5-00-707 was rescinded and the case was closed. (JLB)

- **Unocal Station #5098, 5606 Pacific Avenue, Stockton**

In July 1985, Unocal removed two 10,000-gallon fuel USTs and one unknown quantity waste oil UST. Due to observed soil impacts, the San Joaquin County Environmental Health Department required an investigation. In 1988, Unocal excavated 6,000 cubic yards of soil. In 2008, Chevron acquired Unocal, became the Responsible Party for both 5606 and 5400 Pacific Avenue. On 18 April 2012, CAO R5-00-707 was rescinded and the case was closed. (JLB)

## **Tuolumne County**

- **Columbia Maintenance Yard, 10727 North Airport Road, Columbia**

In March 1995, Tuolumne County Public Works Department (TCPWD) removed one 6,000-gallon gasoline and one 6,000-gallon diesel underground storage tank (UST). Between 1997 and 2011, TCPWD installed five groundwater monitoring wells, conducted soil gas surveys, and excavated about 500 cubic yards of contaminated soil, removing an unknown mass of petroleum hydrocarbons. Petroleum hydrocarbons have not been detected above water quality objectives (WQOs) since 2007. TCPWD destroyed the monitoring wells and a No Further Action letter was issued on 13 January 2012. (KS)

- **Summerville Union High School – 17555 Tuolumne Road, Tuolumne**

The Site is an existing high school. On 3 April 2000, one 2,000-gallon gasoline and one 2,000-gallon diesel tank, piping, and dispensers were removed. Forty cubic yards of soil containing 1.2 pounds (< 1 gallon) of petroleum hydrocarbons were removed prior to backfilling the excavation. Analysis of soil and groundwater samples collected during the excavation indicated low concentrations of fuel constituents. A parking lot covers the area of the former UST system. Classrooms are located 400 feet from the former UST system. The case was closed as a low risk case on 8 November 2011. (PGM)

- **Buck Meadows Ranger Station, 24545 Highway 120, Groveland**

In February and May 1991, two USTs (550 and 1,000-gallon) were removed from the site. Low concentrations of petroleum constituents were detected in soil from the 1,000-gallon UST excavation but not in local groundwater. Petroleum hydrocarbons were non-detect in water samples from the well for the ranger station, located about 300 feet up-gradient from the site. The case was closed on 26 March 2012. (MTS)

## **Yolo County**

- ConocoPhillips-76 Station (Former BP #11252), 28700 County Road 6, Dunnigan**  
 This site is currently an inactive fueling station and convenience store with four pump islands. Environmental site assessments conducted for potential property transfer in 1994 and 2004 discovered petroleum hydrocarbons in soil and groundwater. Monitoring data shows natural attenuation has reduced pollutant levels in groundwater to below WQOs. Residual soil concentrations are below established environmental screening levels for commercial land use. Monitoring wells were properly abandoned March 5-9, 2012. This case was closed 15 March 2012. (ZJG/JIM)
- Former Chevron Station No. 9-5878, 1381 West Capitol Avenue, West Sacramento**  
 In 1984 three gasoline USTs and one waste oil UST, associated piping, and dispensers were removed; and the station demolished. Contaminated soil was excavated and removed from the site; however, there are no records of the mass of hydrocarbons removed. Subsequent investigations defined gasoline hydrocarbons in groundwater within a localized area where the former dispensers were located. The mass of hydrocarbons remaining are estimated at 0.66 pounds in groundwater and 55.3 pounds (~9 gallons) in soil. The site is currently a parking lot and it is estimated that water quality goals will be reached by 2023. The case was closed on 13 April 2012. (DFS)

### Yuba County

- Marysville Elks Lodge, 920 D Street, Marysville**  
 In March 2003, one UST and impacted soil were removed from the site, and petroleum constituents from the UST were detected in soil and groundwater. Petroleum constituents have attenuated to non-detectable concentrations in groundwater and about 14 pounds (2 gallons) of hydrocarbons remain in soil. Two municipal water supply wells are 1,300 and 1,650 feet from the property. Lake Ellis, a man-made lake, is about 100 feet east of the site. The wells and Lake Ellis are not threatened by the release. After public participation was completed, all monitoring wells were destroyed. The case was closed on 27 February 2012. (MTS)
- Dobbins Elementary School, 1 Dobbins School Lane, Dobbins**  
 In April 2009, one UST was removed from the site, and petroleum constituents from the UST were detected in soil and groundwater. About 300 tons of impacted soil (1,300 pounds, 200 gallons of petroleum hydrocarbons) were excavated from the site. Petroleum constituents in groundwater show a decreasing or stable trend, and Water Quality Objectives are estimated to be met in 10 years. About 92 pounds (15 gallons) of hydrocarbons remain in soil with one pound (<1 gallon) remains in groundwater. One water supply well is located on-site, and an irrigation well is 200 feet from the former UST. Four other supply wells are between 275 and 800 feet from the property. The wells are not threatened by the release. After public participation was complete, all monitoring wells were destroyed. The case was closed on 24 January 2012. (MTS)
- Yuba College, 2088 North Beale Road, Marysville**  
 In September 2004, two USTs (a 350-gallon waste oil and a 550-gallon diesel) were removed from the site. Confirmation sampling showed that the majority of impacted soil was excavated from the site. Groundwater, which was not encountered during the excavation activities, is estimated to be between 24 and 40 feet below ground surface. Three irrigation wells exist on campus but are over 500 feet from the former UST locations. Based on the location of the wells and the limited mobility of TPH-d in soil, the wells are not threatened by the UST releases. This case was closed on 10 April 2012. (MTS)
- Danna & Danna UST Site, 1001 Feather River Boulevard, Marysville**  
 In November 1989, four USTs were removed from the site. Subsurface investigations revealed impacts to soil and groundwater. About 800 cubic yards of impacted soil were excavated and dual-phase extraction and air/ozone injections were used to remediate subsurface pollution. About 76 pounds (12 gallons) of petroleum hydrocarbons were remediated from the site. Hydrocarbons remaining in soil and groundwater should meet Water Quality Objectives within five years. Two domestic wells (including an on-site well) and two agricultural wells were reported within 2,000 feet of the site but are not threatened by the former UST releases. The monitoring wells were properly decommissioned, and the case was closed on 10 April 2012. (MTS)



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

### **Sacramento County**

- Arco Station #5337, 6337 Fair Oaks Boulevard, Sacramento
- Arco Station #6225, 4745 Watt Avenue, Sacramento
- Tosco Service Station #4587, 2390 Florin Road, Sacramento
- Merlino's Former Store, 3200 Folsom Boulevard, Sacramento
- Arco Station #2117, 5399 Fruitridge Road, Sacramento
- Dillard Store, 9797 Dillard Road, Wilton
- City of Galt Public Works, 550 Elm Avenue, Galt

### **San Joaquin County**

- Fast and Easy Mart No. 38, 244 West Harding Way, Stockton
- Five Star Marina East, 345 North Yosemite Avenue, Stockton
- Former ARCO Station 548, 1612 Hammer Lane, Stockton
- Former Flame Liquors, Inc., 1301 West Kettleman Lane, Lodi
- Thrifty Oil Company #171, 1250 North Wilson Way, Stockton

### **Tulare County**

- Porterville Public Schools, 534 North E Street, Porterville

## COMPLIANCE AND ENFORCEMENT

1. **Cleanup and Abatement Order, Alon Bakersfield Property Inc. and Equilon Enterprises LLC, 6451 Rosedale Highway, Bakersfield, Kern County**

On 3 May 2012, the Executive Officer issued Cleanup and Abatement Order R5-2012-0701 (CAO) to Alon Bakersfield Property, Inc., owner and operator of the Bakersfield Refinery, and Equilon Enterprises, LLC, former owner and operator of the refinery. Releases of petroleum hydrocarbons as well as other wastes during operation of the refinery have impacted soil and groundwater at the site. The CAO requires the Dischargers to forthwith investigate the discharges of waste, cleanup the waste, and abate the effects of the discharge of waste, to soil and groundwater. Specific actions required include continuing operation of the soil vapor extraction and air sparge remediation systems, removal of liquid petroleum hydrocarbons, expansion of the systems into significantly impacted areas not currently addressed by the existing systems, continued assessment of the site, remediation of soil impacted by elevated concentrations of lead and chromium, and addressing indoor air concerns at the site. (JEA)

2. **Golden Hills Sanitation Company, Kern County.** The company operates a small wastewater treatment plant, serving 188 (primarily residential) connections, as a public utility regulated by the California Public Utilities Commission (CPUC). The company submitted a notice of its intent to the CPUC to cease operation as of 29 February 2012 due to insolvency. In March 2012, the Central Valley Board adopted Cease and Desist Order R5-2012-0021 requiring the company comply with the discharge prohibitions, specifications, and provisions of WDRs Order 81-122 until a receiver was appointed. On 29 March 2012, Kern County Superior Court appointed Mr. Clifford Bressler as receiver. On 26 April 2012, Regional Board staff met with the Mr. Bressler who indicated he would ensure the wastewater treatment plant remained in operation and would work to comply with the WDR Order 81-122. (DBB)

3. **Cleanup and Abatement Order for California State Parks and Recreation, Carnegie State Vehicle Recreation Area**

On 23 February 2012, the Executive Officer issued Cleanup and Abatement Order R5-2012-0700 (CAO) to California Department of Parks and Recreation (State Parks). The CAO requires State Parks to implement a Storm Water Management Plan (SWMP) to protect water quality at Carnegie State Vehicle Recreation Area (SVRA) near Tracy. The CAO is an interim regulatory measure until State Parks can be enrolled in the statewide Small Municipal Storm Water General Order to be reissued by the State Water Resources Control Board (State Water Board). Because the CAO is not a traditional enforcement action for monetary penalties, it carries no civil liability at this time.

Carnegie SVRA is located in the Corral Hollow Creek watershed in Coast Range hills south east of Tracy. The SVRA is a popular recreation area used primarily by off-road vehicle enthusiasts. Off-road vehicle use in the park can disturb vegetation and soil, which has the potential to discharge sediment to Corral Hollow Creek during storm events. The CAO is intended to address potential erosion at the site by directing State Parks to implement the SWMP. State Parks developed the SWMP with review and input from Water Board staff. Water Board staff believes full implementation of the SWMP can effectively protect the water quality of Corral Hollow Creek. State Parks has begun implementation of the SWMP through establishment of closed areas, restoration of eroded areas, redesign of settling basins, and initiation of a monitoring plan and other SWMP elements. (GFC)

## Enforcement Update

The Central Valley Water Board continued to have a productive enforcement period since the last report at the March Board meeting. Water Board staff continued to remind dischargers that they must comply with the terms of their permits. Since the last report enforcement staff issued a number of informal actions for minor violations, such as Notices of Violations or staff enforcement letters following the Water Boards' progressive enforcement approach. Staff issued 82 notices of violations, 134 staff enforcement letters, and 15 oral warnings between 1 March and 30 April.

Staff also took formal enforcement against permittees who had major violations of their permits. In those cases, staff issued two Cleanup and Abatement Orders, 83 13267 Directive Orders or letters, two Time Schedule Orders to bring them into compliance. Staff also issued monetary penalty actions, such as 13 Administrative Civil Liability (ACL) Orders or Complaints for a total of \$1,581,346 in liabilities.

California Integrated Water Quality System Project (CIWQS)													
ENFORCEMENT ACTIONS BY REGION/PROGRAM/ACTION													
Here is your Customized Enforcement Actions by Region/Program/Action Report!													
<a href="#">VIEW PRINTER FRIENDLY VERSION</a>   <a href="#">EXPORT THIS REPORT TO EXCEL</a>													
<b>SEARCH CRITERIA:</b> <a href="#">REFINE SEARCH</a>													
Status (Active, Historical, Withdrawn) Occurred on or after 03/01/2012 Occurred on or before 04/30/2012													
RB OFFICE	13267	ACL	CAO	EPL	NNC	NOV	NTC	RDA	SEL	TSO	UNK	VER	TOTAL*
1	0	2	1	1	0	2	0	1	0	0	0	0	7
2	0	0	0	3	0	4	0	0	1	0	0	2	10
3	0	0	0	0	0	3	0	0	6	0	0	1	10
4	3	3	0	2	5	13	5	0	0	1	1	1	34
5F	0	1	0	0	0	13	0	0	126	0	0	1	141
5R	4	0	1	0	1	10	0	0	5	2	0	6	29
5S	79	12	1	0	0	59	0	0	4	0	0	8	163
6T	0	22	0	0	0	2	0	0	0	0	0	3	27
6V	0	1	2	0	0	3	0	0	2	0	0	10	18
7	0	3	0	0	0	0	0	0	8	0	0	0	11
8	0	0	0	0	7	1	0	0	4	0	0	21	33
9	0	0	0	0	0	1	0	0	30	0	0	0	31
<b>STATEWIDE*</b>	<b>86</b>	<b>44</b>	<b>5</b>	<b>6</b>	<b>13</b>	<b>111</b>	<b>5</b>	<b>1</b>	<b>186</b>	<b>3</b>	<b>1</b>	<b>53</b>	<b>514</b>

<b>ENFORCEMENT ACTION LOOKUP:</b>		
13267 = 13267 Letter	13267 = 13267 Letter/Order	ACL = Admin Civil Liability
CAO = Clean-up and Abatement Order	EPL = Expedited Payment Letter	NNC = Notice of Stormwater Noncomp
NOV = Notice of Violation	NTC = Notice to Comply	RDA = Referral to District Attorney
SEL = Staff Enforcement Letter	TSO = Time Schedule Order	UNK = Unknown
VER = Oral Communication	VER = Verbal Communication	

Overall, when looking from a statewide perspective, our Regional Board issued approximately 65% of the total count of statewide enforcement actions in the core regulatory programs during this period. The five core regulatory programs are: NPDES Wastewater, NPDES Storm Water, Wetlands and 401 Water Quality Certification, Non 15 Waste Discharge Requirements and Title 27 Land Disposal. The graph below reflects that statistic. In addition, in the other programs, such as Underground Storage Tanks, Irrigated Lands Regulatory Program and Site Cleanup, not tracked in the Water Boards' main California Integrated Water Quality System (CIWQS) database, staff have also issued numerous enforcement actions since the last report.

Staff will continue to focus on a number of topics. A few of the main areas of focus include sanitary sewer overflows; storm water runoff; mines runoff; 401 water quality enforcement (unauthorized dredge and fill); groundwater protection (possibly targeting nitrates and salts); threats to groundwater and surface waters from Irrigated Lands and Concentrated Animal Feeding Operations facilities; compliance with existing enforcement orders, and submittal of complete monitoring reports. Staff will continue to use the enforcement

prioritization approach in determining which facilities may be subject to formal enforcement actions, balancing the need for corrective action with the extent of resources available.

More information with additional details can be found on our Web Page by accessing the [Board Decisions](#) tab or by accessing the [Enforcement](#) link found on the home page.

## SANITARY SEWER OVERFLOWS, SPILLS LEAKS/OTHER COMPLAINTS/THREATS

### 1. Raw Sewage Spill, Tierra Oaks Golf Club, Redding, Shasta County

On 15 April 2012, the City of Redding reported a raw sewage spill from a private lift station wet well at 19700 La Crescenta Drive, Redding, in Shasta County. The SSO volume was initially estimated at greater than 900 gallons; however, a final determination of spill volume is currently under investigation. Surface area immediately down gradient from the wet well was impacted and portions of the spill entered a storm drain that discharges to West Fork Stillwater Creek. The cause of the spill was mechanical failure of the lift station's primary pump and secondary lag pump controller. Board Staff is currently investigating parties responsible for operating and maintaining the private lift station and evaluating appropriate enforcement actions. (SMG)

Sanitary sewer overflows (SSOs) continue to be an area of concern and focus of attention for Central Valley Water Board staff. During this period, 24 Category 1 and 233 Category 2 spills have been reported and certified. There were no major incidents reported during this period. [**Category 1** spills are defined as discharges of sewage that a) equal or exceed 1000 gallons, or b) result in a discharge to a drainage channel and/or surface water; or c) discharge to a storm drainpipe that was not fully captured and returned to the sanitary sewer system. **Category 2** spills are defined as other discharges of sewage.]

A more detailed account of the sewage spills is included in Attachment A to the EO Report.

Reports on sewage spills are available on a real-time basis to the public from 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*). Additional information about Water Boards' SSO Reduction Program can be found at [http://www.waterboards.ca.gov/water\\_issues/programs/sso/docs/compliance\\_report2011.pdf](http://www.waterboards.ca.gov/water_issues/programs/sso/docs/compliance_report2011.pdf)

## SALINITY AND CV SALTS

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

During the Executive Committee meeting in March the Strategy and Framework and Five Year Workplan to develop a Salt and Nitrate Management Plan (SNMP) for the Central Valley were approved. This work has included identification of priority tasks for both the Executive Committee and their sub-committees to address both policy decisions and technical work needed to develop the SNMP including implementation alternatives and contracting needs for technical work. Work continues to identify archetypes of regulatory structure and prototypes of implementation alternatives.

CV-SALTS subcommittees have been focused on several tasks including: initiating contracts for implementation of the workplan to develop water quality objectives for the lower San Joaquin River; a kickoff meeting with the subcontractor conducting the evaluation of animal drinking water quality criteria; and continuing work on evaluating practices and developing a management practice "toolbox" by the Management Practice Committee.

A more detailed discussion of the history, the 5-year Workplan Strategy and Framework and current activities will be presented at a Board Meeting on 12 June 2012 at the Fresno office of the Central Valley Water Board.

[http://www.waterboards.ca.gov/centralvalley/water\\_issues/salinity/2012jun12\\_cvsalts\\_nopw.pdf](http://www.waterboards.ca.gov/centralvalley/water_issues/salinity/2012jun12_cvsalts_nopw.pdf)

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

On 5 March Jeanne Chilcott and Jim Martin participated in a monthly meeting with USBR. The meeting focused on several aspects of USBR's efforts to initiate a real-time water quality management program for the San Joaquin River.

On 8 March, Jeanne Chilcott and Jim Martin participated in a meeting of the Technical Advisory Committee. The committee worked on the initial framework for the Conceptual Model to be used as an outline for a Scope of Work. Regional Board staff also presented to the committee several technical questions regarding issues related to site-specific EC studies required of NPDES dischargers, which the committee discussed and made recommendations on.

On 9 March, Pamela Creedon, Jeanne Chilcott, and Pam Buford participated in an Executive Committee administrative meeting that included updates on the various sub-committees work, and the Executive Committee approval of the CV-SALTS Strategy Framework and Five-Year Workplan.

On 14 March, Jeanne Chilcott and Jim Martin met with the chairperson of the Lower San Joaquin River Committee. The group discussed the draft project workplan, identified certain plan revisions that were needed, and identified and assigned specific tasks to gather additional information to improve the workplan.

On 20 March, Jim Martin attended an informational session presented by State Board staff regarding two draft technical appendices to the Substitute Environmental Document for potential changes to the San Joaquin River flow and Southern Delta salinity objectives.

On 22 March, Jeanne Chilcott and Jim Martin attended a meeting of the Lower San Joaquin River Committee. The committee discussed the draft project workplan, contracting options for completion of workplan tasks, and options for creating and funding a committee manager.

On 28 March, Jim Martin participated in a meeting of the Management Practices Committee that continued to evaluate various management practices.

On 5 April, Pamela Creedon, Clay Roders, Ken Landau, and Pam Buford participated in an Executive Committee policy meeting. The meeting focused on issues related to "point of use" and "point of compliance" with respects to attaining water quality standards in groundwater.

On 6 April, Pamela Creedon, and Pam Buford participated in an Executive Committee administrative meeting that included updates on the various sub-committees work, and discussion on contracting for the implementation of the 5 year Workplan.

On 9 April Jeanne Chilcott and Jim Martin participated in a monthly meeting with USBR. The meeting focused on the status of USBR projects and plans to initiate a real-time water quality management program for the San Joaquin River.

On 10 April, Jeanne Chilcott and Pam Buford participated in a planning meeting with a sub-committee of the Executive Committee to begin drafting an agenda for Central Valley Water Board 12 June Workshop on the activities of CV-SALTS.

On 12 April, Jeanne Chilcott and Jim Martin attended a meeting of the Lower San Joaquin River Committee. The committee continued to discuss the draft workplan, options for contracting completion of the workplan tasks, and various considerations related to securing a committee manager. In addition, the committee reviewed and discussed public comments submitted on Regional Board staff's draft report on salt tolerance in the San Joaquin River.

On 19 April, Pamela Creedon, Clay Rodgers, Jeanne Chilcott, and Pam Buford participated in an Executive Committee policy meeting. The meeting focus was a continuation of the 5 April meeting discussion to identify potential implementation strategies.

On 24 April, Clay Rodgers, Jeanne Chilcott, Jim Martin, and Pam Buford participated in a meeting of the Technical Advisory Committee. The meeting included an information exchange on the Groundwater Monitoring Advisory Workgroup and their coordination and recommendations on the Irrigated Lands Regulatory Program development of WDRs. An outline scope of work for the initial Conceptual Model was also reviewed.

On 25 April, Jeanne Chilcott participated in and led several of the agenda items in the Department of Water Resources' workshop discussing the Salt and Salinity Management Strategy chapter of the upcoming California Water Plan.

On 26 April, Jeanne Chilcott and Jim Martin met with the chairperson of the Lower San Joaquin River Committee to discuss contracting options for securing an interim committee manager and for completion of technical workplan tasks

On 30 April, Jim Martin met with the chairperson of the Lower San Joaquin River Committee, and the chairperson and staff of the East Stanislaus Resource Conservation District to explore the possibility of contracting with the District to oversee the implementation of the technical tasks for completing the project workplan.

On 1 May, Jeanne Chilcott and Jim Martin participated in a meeting of the Management Practices Committee. Discussed topics included clarifying the process for approving practices, defining the term "validated" vs. "generally accepted", documentation requirements, determining cost-effectiveness, and how Regional Board staff would utilize the management practice "toolbox".

### **3. Evaluation of MUN in Sacramento Valley Publicly Owned Treatment Works (POTW) Receiving Water.**

Staff continued outreach to local water agencies and reclamation districts in March along with study area field surveys. In April, monitoring began in all four study areas (Biggs, Colusa, Live Oak and Willows). An invitation to participate in the overall evaluation of agriculturally dominated water bodies was also sent out in April to a region-wide list of stakeholders in the interest groups of agriculture, environmental, fish & wildlife, food & agriculture, dairy, public health, urban water users, and water supply. The first broader stakeholder meeting was conducted on May 3, 2012. The participants reviewed previous work on agriculturally dominated water bodies developed in the mid-1990's as part of the Inland Surface Waters Plan and stakeholder comprised Agricultural Waters Task Force (AgWTF). The participants agreed to build off of the previous work, concurred with many of the original recommendations including approaching evaluation by water body categories instead of by individual water bodies, and are currently reviewing the options of categorization recommended in the AgWTF report in order to develop an updated template. The next broader stakeholder meeting will be held at the end of June.

Other project meetings were as follows:

On 6 March, Anne Littlejohn, Calvin Yang and Heidi Bauer met with representatives from the Glenn-Colusa Irrigation District and the City of Willows POTW to review the hydrology and water management in the study area downstream of the City of Willows Wastewater Treatment Plant. Representatives from the agencies accompanied staff on surveys of the two study areas.

On 8 March, Jeanne Chilcott, Calvin Yang and Anne Littlejohn participated in a meeting with the CV-SALTS Technical Advisory Meeting. The committee reviewed and made recommendations on the Monitoring Plan for the MUN beneficial use project. Overall, the proposed monitoring approach and questions were approved by the committee.

On 14 March, Anne Littlejohn and Calvin Yang met with representatives from the Colusa Basin Drainage District, Glenn County Dept. of Agriculture, Glenn County Board of Supervisors and the City of Colusa POTW to provide an overview of the MUN beneficial use project and review the hydrology and water management in the Colusa Basin Drain watershed and specifically the area downstream of the City of Colusa Wastewater Treatment Plant.

On 15 March, Anne Littlejohn and Calvin Yang met with representatives from Reclamation District 777, Sutter Extension Water District, Laughlin-Spence Civil Engineering and the City of Live Oak POTW to provide an overview of the MUN beneficial use project and review the hydrology and water management in area downstream of the City of Live Oak Wastewater Treatment Plant. Staff were accompanied by a representative from the City of Live Oak POTW to survey the Live Oak study area.

On 21 March, Anne Littlejohn and Calvin Yang met with representatives from Reclamation District 833, Biggs-West Gridley Water District, Laughlin-Spence Civil Engineering and the City of Biggs POTW to provide an overview of the MUN beneficial use project and review the hydrology and water management in area downstream of the City of Biggs Wastewater Treatment Plant. Staff were accompanied by representatives from the City of Biggs POTW and Reclamation District 833 to survey the Biggs study area.

During the week of April 16, Anne Littlejohn and Calvin Yang conducted the first monitoring event for the MUN beneficial use project. Monitoring included water collection for key constituents, field measurements and photos.

On 3 May, Jeanne Chilcott, Anne Littlejohn, Calvin Yang, Susan Fregien, Betty Yee, and Jerry Bruns participated in a broad stakeholder meeting discussing historical work completed on and how to move forward with determining appropriate beneficial uses and levels of protection for agriculturally dominated water bodies.

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)



## DAIRIES

### 1. **Groundwater Directives**

During the week of 16 April 2012, the Executive Officer issued California Water Code Section 13267 Orders to owners and operators of 70 dairy facilities directing them to either 1) prepare a monitoring well installation and sampling plan to implement groundwater monitoring at their facility, or 2) join a coalition that will develop a representative groundwater monitoring program as an alternative to implementing individual groundwater monitoring at their dairy. The directives were issued in accordance with Attachment A of Monitoring and Reporting Program (MRP) R5-2007-0035, a part of the Dairy General Order (Order No. R5-2007-0035). Dairies receiving the directives were identified using a ranking process which assessed the threat that each dairy poses to groundwater quality, with the directives being issued in order of descending ranks. The ranking process is required by and described in the MRP. This marks the sixth and final round of directives to be issued. (DEE)

## GRANTS

1. **Proposition 84, Department of Water Resources, Integrated Regional Water Management (IRWM) Planning Grants**

The Department of Water Resources (DWR) Round 2 Planning Grant solicitation closed on 9 March 2012. A total of 22 grant applications were received statewide. Through coordination with the State Water Board and DWR, staff from the Central Valley Water Board participated in the technical reviews of 11 applications within the Central Valley Region requesting a total funding amount of \$6,415,831. Applicant planning projects ranged from developing an initial Integrated Regional Water Management Plan to updating existing plans. Next steps will be DWR Senior and Selection Panel Reviews. DWR anticipates announcement of draft recommendations for public review and comment in June and final award announcements July 2012.

2. **Proposition 84, Storm Water Grant Program**

The State Water Board has completed the solicitation for both the Storm Water Round 1 Implementation Grants with approximately \$42 million available state wide and approximately \$8 million available for one round of Planning and Monitoring Grants.

Central Valley Water Board staff participated in the technical reviews of eight storm water implementation concept proposal requesting approximately \$12 million in project costs. Of those concept proposals three proposals in the Cities of Modesto, Citrus Heights, and Sacramento have been called back to prepare full proposal applications to be due mid-Summer 2012.

Reviews of the Planning and Monitoring Grant applications are currently in progress. Central Valley Water Board staff is participating in technical reviews of four applications requesting project costs of approximately \$1 million. The State Water Board anticipates the recommended funding list be presented to the State Water Board July 2012.

## GENERAL

On 10 April 2012, the Central Valley Regional Water Quality Control Board - Fresno office commenced Surface Water Ambient Monitoring Program (SWAMP) sampling for the Tulare Lake Basin Rotational Watershed Monitoring Plan, 2012-2016. The goal of the Rotational Watershed Monitoring Plan is to obtain current water quality data of the four main river systems in the Tulare Lake Basin (Kings, Tule, Kaweah and Kern rivers). (BDS)

Ben Letton in the Redding office received a thank you note from American Rivers Organization. Ben's prompt work on a wet meadow restoration water quality certification in Indian Valley, Plumas County, resulted in the project receiving private funding from both the National Fish and Wildlife Foundation and Coca Cola. The Associate Director of Conservation for American Rivers, Luke Hunt stated, "This is a huge step for meadow restoration, as it highlights the water footprinting/water supply value and opens the door to corporate. Coca Cola stipulated that it must be constructed this year, and thanks to you, we're on track to make that happen. Many thanks."

Dani Berchtold in the Redding office received the 2012 Notable Public Official Award from the Associated General Contractors of California, Shasta District for demonstrating a corporative, professional relationship with the construction industry based on mutual respect. She received the award at the AGCC Shasta District's annual meeting on April 5th.

### Seasonal Trend Monitoring

In May, the Surface Water Ambient Monitoring Program (SWAMP) will begin the fourth year of monitoring for a study looking at seasonal trends in water quality in the Central Valley. The project monitors 66 sites spread throughout the valley along the main stem of rivers and at the lower end of tributaries. This framework of monitoring sites helps facilitate region-wide assessments of water quality and coordination with other programs. One example of this coordination is with the Stream Pollution Trends (SPoT) effort, a SWAMP program that monitors contaminant trends in sediment throughout the state. Over thirty sites are shared between the two programs so that water quality assessments can benefit from the shared data.

Expanded seasonal trend monitoring in the Sacramento watershed has been made possible through a collaborative monitoring effort with the Department of Water Resources (DWR). Training and support was provided to DWR to make their monitoring SWAMP comparable.

More information on this monitoring is available on the Central Valley Water Board's website at: [http://www.waterboards.ca.gov/centralvalley/water\\_issues/swamp/r5\\_activities/index.shtml](http://www.waterboards.ca.gov/centralvalley/water_issues/swamp/r5_activities/index.shtml)

Data from this and other SWAMP studies is available through the California Environmental Data Exchange Network at: <http://www.ceden.us/AdvancedQueryTool>

Data collected by DWR is available through their Water Data Library by selecting SWCMP at: [http://www.water.ca.gov/waterdatalibrary/waterquality/station\\_group/index.cfm](http://www.water.ca.gov/waterdatalibrary/waterquality/station_group/index.cfm)  
(AW)

### Perennial Streams Assessment Report

SWAMP recently released an assessment of the ecological condition of California's streams and rivers based on eight years of data from their Perennial Streams Assessment (PSA) program. The PSA conducts statewide surveys of biological indicators (benthic macroinvertebrates and algae), chemical constituents, and physical habitat in wadeable perennial streams. The new assessment report is based on data collected between 2000 and 2007.

The report finds that half (50%) of the wadeable perennial stream length in California is in relatively good biological condition, while about 22% is in very degraded biological condition. Land use was found to be an important factor in determining stream condition. In heavily forested areas, such as the North Coast and Sierras, approximately 70% of streams are in good condition. Nearly all streams in urban and agricultural watersheds are in poor condition. On the floor of the Central Valley, more than three quarters of the streams were found to be in very degraded biological condition and no streams were found in good condition. For more information, or to read the report, visit the State Water Board's website at: [http://www.waterboards.ca.gov/water\\_issues/programs/swamp/reports.shtml#bmp\\_assess](http://www.waterboards.ca.gov/water_issues/programs/swamp/reports.shtml#bmp_assess)  
(AW)

## **Stream Pollution Trends Report**

SWAMP has released a statewide perspective on chemicals of concern and connections between stream water quality and land use. The report assesses the 2008 data from the Stream Pollution Trends (SPoT) survey. The SPoT project monitors trends in sediment toxicity and sediment contaminate concentrations in approximately a hundred rivers throughout California, and relates contaminate concentrations to watershed land uses.

Pyrethroid pesticides were detected in stream sediments from more than half of the SPoT watersheds, and were measured at concentrations associated with toxicity in more than a quarter of the total samples. DDTs and PCBs, both banned for more than three decades, are still commonly detected in California streams, with DDTs frequently exceeding sediment quality guidelines.

The 2008 results indicate that, on a statewide basis, levels of most measured pollutants in stream sediment increased as urban land cover in the watershed increased. Industrial compounds, some metals, and many pesticides were found at higher concentrations in urban watersheds than in agricultural or other watersheds statewide.

Future reports will aim to look at contaminant trends over time in relation to land use changes and resource management practice implementation.

For more information, or to read the report, visit the State Water Board's website at: [http://www.waterboards.ca.gov/water\\_issues/programs/swamp/reports.shtml#spot](http://www.waterboards.ca.gov/water_issues/programs/swamp/reports.shtml#spot) (AW)

## **Safe to Swim Sampling**

In April 2012, staff from the Rancho Cordova and Fresno offices kicked off their fifth annual Safe to Swim study. Staff from the Redding office will initiate sampling in May 2012. Safe to Swim studies represent a coordinated effort between the Central Valley Water Board staff and the public to collect water quality data of importance to local recreational interests. The studies are intended to focus on swimming holes throughout the Central Valley. Swimming holes examined in this study are moving, fresh water locations used for contact recreation, such as creeks, rivers, and springs.

Data collected in these studies will be fed into the Surface Water Ambient Monitoring Program (SWAMP) database and evaluated in SWAMP study reports. Constituents measured include temperature, dissolved oxygen, pH, specific conductance, turbidity, total coliform, and *E. coli* at all sampling sites; and *Cryptosporidium*, *Giardia*, *Salmonella*, and *E. coli* O157:H7 at selected sites.

Sampling sites will be collected by both Central Valley Water Board staff and stakeholder volunteers in the following watersheds:

- Redding Office staff: Sacramento River, Butte Creek, Big Chico Creek, Feather River
- Rancho Cordova office staff: Deer Creek (Nevada County), Auburn Ravine (Placer County), Dry Creek (Placer County), American River
- Fresno Office staff: Kings River
- South Yuba River Citizen's League: Yuba River
- Sierra Streams Institute (formerly Friends of Deer Creek): Deer Creek (Nevada County)
- American River Conservancy: American River, Cosumnes River
- Tuolumne River Trust: Tuolumne River
- Upper Merced River Watershed Council: Merced River
- River Tree Volunteers: San Joaquin River (Fresno and Madera Counties)

Samples will be collected by the Rancho Cordova and Fresno office staff at a frequency of twice a month, from May through August. Samples collected by the Redding office and stakeholder groups will be collected at a frequency of once a month May through August. Pathogen samples will be collected once a month.

Preliminary data will be sent out to the stakeholder groups and any other interested parties via email. Interested parties wishing to receive these updates should contact Catherine Gill at [cgill@waterboards.ca.gov](mailto:cgill@waterboards.ca.gov). (CLG)

## DELTA ACTIVITIES

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

The contract with Aquatic Science Center (ASC) has ended and Regional Board staff continue to work with ASC staff to develop and implement a working RMP. A draft monitoring plan has been developed and will be discussed among a small technical group before revisions are made and shared with the larger stakeholder group for input. The plan proposes to start with toxicity testing (with relevant toxicity identification evaluations and chemical analyses) and nutrient monitoring to assess where and if nutrient concentrations pose a threat to beneficial uses of Delta waters. (MES)

### 2. **Toxicity**

The UC Davis contract to monitor historic Organophosphorus Pesticide (OP) hot spots in the Sacramento, San Joaquin, and Delta is complete. Traditional 3-species toxicity testing was augmented with *Hyalella azteca* water column tests to see if OPs were still a problem, and if not, whether OP toxicity is being replaced by pyrethroid toxicity. Twenty-one of forty-two samples affected one or more test species significantly, with most occurrences of toxicity being in samples from Arcade Creek and Hood. Toxicity was due to a variety of chemical classes and overall, the magnitude of toxicity wasn't as great as historically.

Research conducted under a UC Davis contract to determine toxicity of binary mixtures is also complete. This information is being used to develop a mini-model to predict potential toxicity in the absence of toxicity testing data.

Research conducted under a UC Davis contract to assess tertiary mixtures of pesticides is also complete. Initial results show little predictability with complex mixtures, but further research could tease out intricacies.

The UC Santa Cruz contract to assess cyanobacteria and their toxins in Clear Lake and the Delta is also complete. Results show that several environmental drivers act in conjunction to control blooms, rather than a single stressor. Surface temperature, nitrogen and phosphorus concentrations appear to be the key drivers of bloom species composition and toxicity, but additional environmental stressors specific to each system and to each individual type of cyanobacteria may also play a significant role.

Additional studies are delayed due to some recent problems that are being encountered with certain specific contract language. Discussions between various UC campuses, State Board, and Regional Board staff continue. (SF)

### 3. **Ammonia/Nutrients**

Staff has been compiling available nutrient data for the Delta, and has initiated discussions with local experts on their nutrient-related concerns and to collect broader data sets and literature to help develop the Nutrient Strategy as mandated by the Delta Stewardship Council's (DSC's) Delta Plan. This information will also be used to evaluate the role nutrients play in Delta back sloughs with low dissolved oxygen. These efforts are also being coordinated with the Bay and Delta RMPs and State Board's Nutrient Numeric Endpoint process. (SF)

### 4. **Delta Coordination**

Staff continues to follow the progress of the Bay Delta Conservation Plan and Delta Stewardship Council's Delta Plan and provide comments on relevant sections. Staff also continues to follow the actions of the Independent Science Board and their recommendations, as well as participate in IEP efforts. (SF)

## TMDL/BASIN PLANNING

### ***Delta Methylmercury TMDL Implementation Update***

Introduction to the Delta Mercury Control Program – On 22 April 2010, the Central Valley Water Board adopted amendments to the Sacramento River and San Joaquin River Basin Plan (Basin Plan) to establish the Delta Mercury Control Program to address elevated levels of mercury in fish tissue in the Delta and Yolo Bypass and to fulfill requirements for a TMDL (Total Maximum Daily Load) program. The Delta Mercury Control Program includes fish-tissue objectives for the Delta and methylmercury allocations for NPDES facilities, municipal storm water, agricultural lands, wetlands, and open water in the Delta and Yolo Bypass.

The Delta Mercury Control Program lays out an implementation strategy to control methylmercury and total mercury discharges in the Delta and Yolo Bypass to reduce methylmercury levels in Delta fish. The Delta Mercury Control Program uses an adaptive management approach that contains two phases. Phase 1, which officially began in October 2011 and lasts through approximately 2020, is primarily a study period where dischargers will develop and evaluate methylmercury control measures via methylmercury control studies (Control Studies). Other activities that will occur during Phase 1 are:

- NPDES-permitted facilities within the Delta and Yolo Bypass will implement or continue implementation of pollution prevention measures for mercury.
- All dischargers must employ management practices to limit the discharge of inorganic mercury.
- Regional Board staff will work with California Department of Public Health, dischargers, and other stakeholders to develop and implement an exposure reduction program (ERP) for people that eat Delta fish.
- Regional Board staff is contributing to the Statewide Mercury Reservoirs TMDL project, which will address some sources of mercury and methylmercury that enter the Delta on tributary flows.

Based on the information generated by the methylmercury Control Studies and other Phase 1 activities, the Central Valley Water Board will consider revising the fish tissue objectives, methylmercury allocations, and other elements of the control program as necessary. Phase 2 will require implementation of the methylmercury controls identified by the Phase 1 studies to meet methylmercury allocations.

Participation in the Delta Methylmercury Control Program– The Delta Mercury Control Program has requirements for the following entities to participate in the methylmercury Control Studies: 18 NPDES-permitted facilities, three urban stormwater programs, three Irrigated Agriculture Coalitions, private wetland conservation and mitigation landowners, and State and federal agencies with jurisdiction over public wetlands, open water and floodplains, dredging operations, and flood and water management. The control program requires that these entities address methylmercury discharges within the Delta and Yolo Bypass.

The Delta Mercury Control Program encourages responsible entities to work cooperatively to complete the Methylmercury Studies. The first item to be submitted under the control program was a letter from each responsible entity describing whether the entity would participate in a cooperative study and a description of the cooperative group. Of the 48 entities notified of their responsibility to participate in the methylmercury Control Studies, response letters were received by 44 of the entities by the due date of 20 April 2012. Staff contacted all non-respondents and will determine necessary next steps.

There have been early efforts to participate in the Delta Mercury Control Program. A group of private and public wetland and agricultural interests formed the Non-Point Source (NPS) Workgroup and obtained a USEPA 319(h) planning grant. The grant will fund much of the development of a control study workplan for agricultural and wetland interests. The NPS Workgroup has been making progress on its tasks of assessing land use practices and updating a methylmercury conceptual model. Other dischargers, such as the municipal wastewater treatment plant agencies and the stormwater agencies, are working their respective to groups to conduct collaborative studies.

Additionally, studies to evaluate possible methods of methylmercury control for wetlands are underway at the Yolo Bypass Wildlife Area and the Cosumnes River Preserve. These studies are funded by Dept. Fish and Game's Ecosystem Restoration Program, US Bureau of Land Management, and USEPA's 319(h) grant program.

Delta Methylmercury Control Study Planning – The purpose of the Phase 1 Methylmercury Control Studies is to evaluate existing methylmercury control methods and develop additional control methods that could be implemented to achieve the methylmercury allocations. At the end of the Phase 1 study period, entities responsible for meeting the allocations will report on effectiveness, feasibility, costs, and potential environmental effects of control methods evaluated and will propose a plan and schedule for implementing methods to reduce methylmercury loads.

The Delta Mercury Control Program includes review of the methylmercury Control Study workplans and study results by an independent Technical Advisory Committee (TAC). The California Department of Fish and Game's Ecosystem Restoration Program assisted the Water Board in forming and funding a six-member TAC. Collectively, the TAC members have expertise in mercury and methylmercury fate and transport, hydrology, wastewater treatment, wetland design and maintenance, agricultural practices, and urban runoff management.

The TAC met with staff and a room full of stakeholders at a Methylmercury Study Planning Workshop in March 2012. The TAC heard presentations about the state of methylmercury science in the Bay-Delta area and gave recommendations for the content of study workplans. The TAC members were very interested in new information about methylmercury controls that will be generated through the studies.

The TAC will next meet in September 2012 to review concept proposals and initial study workplans. Their third meeting with staff and stakeholders will occur in May 2013, after full Methylmercury Control Study workplans are due.

Based on the April 2012 participation reports described above, staff anticipates that the Board and TAC will receive Methylmercury Control Study Workplans from six cooperative groups and two individual entities. The cooperative studies will cover municipal wastewater treatment; nonpoint sources of wetlands and agriculture, stormwater (3 cooperative groups); and open water and flood management.

Exposure Reduction Program – The Delta Mercury Control Program requires development and implementation of an exposure reduction program (ERP) to reduce human exposure to mercury-contaminated fish. The first step is for staff to develop a strategy for how dischargers will be responsible for participating in the ERP, to set performance measures, and to propose a collaborative process for developing, funding and implementing the program. The ERP Strategy is due to the Executive Officer by 20 October 2012. After the Strategy is developed, affected dischargers are required to submit an exposure reduction workplan by 20 October 2013 for approval by the Executive Officer, and implement exposure reduction activities thereafter. Staff has contacted a few dischargers for their perspective on how to form and fund an ERP. Staff is in the process of developing a straw strategy and will then work with dischargers, health agencies, and stakeholders over the spring and summer to develop a draft Strategy for Executive Officer approval by the October deadline.

### ***Statewide Mercury Control Program for Reservoirs***

Mercury is negatively impacting the waters of California. More than 180 rivers, reservoirs and estuaries in California are designated as impaired by mercury by the U.S. Environmental Protection Agency. Many fish in these waters have mercury concentrations that pose a risk for humans and wildlife that eat the fish. The number of mercury-impaired waters is expected to increase substantially as new fish tissue monitoring data are collected and evaluated.

A team of staff from the State and Regional Water Boards is developing a Statewide Mercury Policy (Policy) to control mercury in California's waters. It is anticipated that the Policy could contain:

- Water quality objectives to protect people and wildlife that eat fish for all inland surface waters. The objectives could be expressed as concentrations of mercury in the tissues of fish or in the water column. In addition to the objectives, there could be beneficial use designations, antidegradation provisions, and general implementation requirements to meet the objectives.
- A Reservoir Mercury Control Program designed to attain the new water quality objectives in our state's mercury-impaired reservoirs.

There are 74 reservoirs currently identified as mercury-impaired on the Clean Water Act Section 303(d) List for which control programs have not yet been developed. Currently, the nine Regional Water Boards address mercury-polluted water bodies using Total Maximum Daily Loads (TMDL) control programs. So far, each TMDL control program has applied to individual water bodies or individual watersheds and different Regional

Water Boards have used different TMDL approaches. Each TMDL was adopted by its Regional Water Board, and then approved by the State Water Board. Having a statewide control program to address the state's remaining mercury-impaired reservoirs could enable statewide consistency and more efficient and rapid implementation of control actions. A statewide program could be adopted once, by the State Water Board.

The Reservoir Mercury Control Program would have two main goals: 1) to address reservoirs that have already been identified as impaired; 2) to have a program in place that will address additional reservoirs when they are identified as impaired. The magnitude of mercury impairment in reservoirs is related to three factors that may be controllable:

- Sources of inorganic mercury – Reducing concentrations of inorganic mercury in reservoir sediment and water is one way to limit methylmercury production and its subsequent bioaccumulation in fish. Controllable mercury sources include upstream historic gold and mercury mines, surface water discharges from municipal sources and urban areas, and atmospheric deposition from industrial activities in California.
- Reservoir conditions – Depending on site-specific conditions, reservoirs can create an environment that can increase the mercury exposure risk to fish consumers. Studies completed elsewhere, both in the United States and internationally, have found that chemical properties such as oxygen and nutrient levels, and physical properties such as water level fluctuations, can affect the production of methylmercury, the most biologically available form of mercury, in reservoirs. Additional studies are needed to determine if there are reservoir management opportunities that could reduce fish mercury levels in California's mercury-impaired reservoirs.
- Fish species – Which fish species are present and how they are managed is an important factor in determining the severity of the mercury problem in a given reservoir. Changes to current fisheries management practices, especially stocking of non-native predatory fish, could be an important tool in addressing mercury impairments. Stocking reservoirs with less predatory fish or promoting fish species that bioaccumulate less methylmercury could limit human and wildlife exposure to mercury.

To address these factors, the Reservoir Mercury Control Program's implementation plan would probably be designed to incorporate a phased, adaptive management approach that could likely include:

- Control actions for a variety of point and nonpoint sources, such as runoff from mine sites, atmospheric deposition, and discharges from wastewater treatment plants and urban stormwater.
- Requirements to evaluate reservoir management approaches that may modify water chemistry to reduce methylmercury production.
- Requirements to evaluate alternative fisheries management stocking practices and angling practices.

Of the 74 mercury-impaired reservoirs on the 303(d) List, 46 are located in the Central Valley. Staff and managers from the Central Valley Water Board's TMDL and Basin Planning Section are contributing substantial amounts of time to the development of the Reservoir Mercury Control Program; two are working full-time and four are working part-time on this project.

Central Valley Water Board staff worked with staff from the State Water Board and six other Regional Water Boards to develop materials for and hold California Environmental Quality Act (CEQA) Scoping meetings in early March at four locations across the State: Sacramento, Oakland, Redding, and Riverside. The purpose of Scoping meetings was to receive public input on the environmental project planning process so that potential adverse environmental impacts – and ways to avoid or reduce the potential impacts – can be identified as soon as possible. The Scoping presentation, the fact sheet and project summary documents discussed during the Scoping meetings, and the 30 public comment letters received since the meetings are available at: [http://www.waterboards.ca.gov/water\\_issues/programs/mercury/](http://www.waterboards.ca.gov/water_issues/programs/mercury/).

The statewide team members are currently reviewing the public's CEQA scoping comments, conducting technical analyses to characterize statewide mercury sources and their linkage to fish methylmercury levels in the impaired reservoirs, writing a technical report, and drafting straw Policy text. Staff plans to have meetings with stakeholders to discuss the technical issues and draft ideas for Policy text starting this fall. The technical report and draft Policy will undergo external scientific peer review and there will be a formal public comment period. State Water Board workshops and adoption hearing meetings would take place later in 2013 and 2014. Project updates will be provided at the above-mentioned website and through emails distributed to the "Mercury – Objectives Policy" and the "Mercury – Statewide Mercury Control Program for Reservoirs" email lists. Online subscription to the email lists is available at: [http://www.waterboards.ca.gov/resources/email\\_subscriptions/swrcb\\_subscribe.shtml#quality](http://www.waterboards.ca.gov/resources/email_subscriptions/swrcb_subscribe.shtml#quality)



*SJR Low DO TMDL Implementation*

The agreement among interested parties to fund the operation of the aerator at the Port of Stockton has been finalized. The Department of Water Resources has completed CEQA and attained the appropriate permit to enable the transfer of the aerator facility to the Port for long-term operation of the facility.

*Central Valley Drinking Water Policy*

The Central Valley Drinking Water Policy Workgroup Synthesis Report was recently finalized and released to the public. The Report includes a synthesis of technical studies conducted by the Drinking Water Policy Workgroup since 2003 and will be used to inform the Drinking Water Policy, which is scheduled to be brought before our Board during the summer of 2013.

The Synthesis Report includes summaries of source evaluation studies conducted to evaluate loadings of prioritized drinking water constituents of concern and descriptions of the effort to develop a comprehensive analytical model to track the impacts of source controls on concentrations of drinking water constituents of concern through the watershed. Based on the source evaluation studies, it is expected that concentrations of the prioritized drinking water constituents of concern will not increase in the future at drinking water intakes.

The report is available on the Central Valley Water Board website at:

[http://www.waterboards.ca.gov/centralvalley/water\\_issues/drinking\\_water\\_policy/](http://www.waterboards.ca.gov/centralvalley/water_issues/drinking_water_policy/)

## SITE CLEANUPS

1. **Subsurface Investigation reveals source areas of 1,2,3-Trichloropropane at Crop Production Services, Stockton in San Joaquin County.**

In March of 2011 Crop Production Services completed an on-site soil investigation at its 1905 North Broadway facility to evaluate subsurface conditions beneath a tank farm and beneath two former evaporation ponds. The site data showed that concentrations of at least 200 ug/kg of both 1,2-dichloropropane and 1,2,3-trichloropropane extended from 5 feet to 50 feet below ground surface beneath the former evaporation ponds. These source areas have been contributing to the off-site groundwater pollution. In April 2012, Crop Production Services installed additional monitoring wells at these source areas and will be providing a remedial action plan. (AST)

## IRRIGATED LANDS REGULATORY PROGRAM (ILRP)

### Long-term Irrigated Lands Regulatory Program

On 23 March, staff met with the State Water Board information technology group to discuss development of an electronic data management system for the irrigated lands program. This system is intended to be deployed for use by all Regional Water Boards with irrigated lands program data management needs. At the meeting, organizational topics were discussed and a project management team was established.

On 18 April staff met with representatives from the Almond Board and the East San Joaquin Water Quality Coalition to discuss the Almond Board's sustainability program module. The program module is a web-based tool allowing almond growers to log in and provide information regarding sustainability practices in place. The tool also includes a nutrient budgeting module. During the meeting, there was discussion regarding the potential to coordinate the Almond Board's web-based tool with irrigated lands program informational requirements for farm evaluations and nutrient management plans.

On 2 May staff and the Executive Officer met with coalitions and other agriculture representatives to discuss the Draft WDRs for the Eastern San Joaquin River Watershed.

Eastern San Joaquin River Watershed WDRs – On 13 April staff released Draft WDRs for the Eastern San Joaquin River Watershed for an interested party review and comment period. The anticipated schedule for bringing the Draft WDRs to the board for consideration is:

13 April - 21 May: Interested party review/comment  
22 May - 26 June: Staff revision of Draft WDRs based on interested party review  
27 June - 31 July: Public review of Draft WDRs  
1 August- 31 August: Staff revision of Draft WDRs; response to comments  
4/5 October: Board hearing to consider adoption of WDRs

Sacramento River Watershed Rice WDRs –On 16 March, staff met with the California Rice Commission (CRC) and CV-SALTS representatives to discuss the coordination of CRC groundwater monitoring requirements with CV-SALTS informational needs. On 10 April, staff met with the CRC to discuss groundwater management plan requirements and the status of the CRC's Groundwater Assessment Report and Surface Water Assessment Report. On 30 April the CRC provided staff with the Groundwater Assessment Report. Staff is currently reviewing the report. Next steps include updating Draft WDRs and monitoring requirements based on review of the Groundwater Assessment Report. Staff will also be reviewing the CRC's Surface Water Assessment Report upon receipt. Staff is planning to release the Draft WDRs for interested party review in July of this year.

### Southern San Joaquin Valley Water Quality Coalition (SSJWQC)

On 5 March, 3 April, 17 April, and 1 May, staff met with the SSJWQC to discuss development of the Long Term Irrigated Lands Regulatory Program. Topics of discussion included possible requirements of the upcoming waste discharge requirements and monitoring reporting program. Additional meetings are scheduled for the 24th and 29th of May. The release of the interested party review draft is scheduled for the end of June. (BV)

### Westlands Coalition

On 15 March, staff met with Westlands Coalition to discuss reporting requirements of the upcoming ILRP Waste Discharge Requirements General Order. (BV)

Grasslands Bypass Project - staff are scheduled to meet with representatives of the US Bureau of Reclamation and San Luis & Delta Mendota Water Authority on 11 June to discuss the GBP WDRs and MRP. Prior to the meeting, staff will provide the GBP representatives with a working draft set of requirements for discussion purposes. (JK)

Sacramento River Watershed WDRs (excluding rice) –On 24 April staff met with the Sacramento Valley Coalition to discuss the process for developing WDRs for the Sacramento River Watershed (excluding rice). A follow-up discussion to this initial planning meeting was scheduled for 31 May. Staff will begin drafting the WDRs in May. Interested party review of the Draft WDRs is scheduled to begin in November of this year.

## **Enforcement**

### **California Water Code section 13260 & 13267 Orders, & Notices of Violation**

In April, ILRP staff mailed 19 and 62 CWC §13267 Orders to landowners in San Joaquin County and Lake County, respectively. These Orders were issued to landowners who first received an outreach postcard and subsequently did not respond. (WO)

### **Compliance & Outreach – Postcards**

In March, ILRP staff mailed 42 postcards to non-participating landowners in the Sacramento Valley Water Quality Coalition area; and in May, staff mailed 34 postcards to non-participating landowners in the East San Joaquin Water Quality Coalition area. ILRP staff screened these landowners' parcels using aerial photography to target agricultural operations with the potential to discharge waste to surface waters. (WO)

### **Compliance & Outreach - Exemption Claim Inspections**

In March and April, ILRP staff completed 14 and 7 inspections, respectively, to verify landowner exemption claims to the ILRP. Landowners can respond to ILRP staff's postcards or 13267 Orders by claiming their land is not used for agriculture, not irrigated, or that it has no irrigation tail water or storm water runoff (no waste discharges to surface waters). These claims create a need for verification inspections. Staff verified that the lands associated with 20 of these inspections were exempt from regulatory coverage under the ILRP. Staff determined that one landowner needs to apply for coalition coverage for his property. (BLS)

## **Coalition Groups**

### **California Rice Commission (CRC)**

On 2 April, the California Rice Commission (CRC) was sent the Water Board staff review of the 2011 AMR. The letter and 2011 AMR have been posted to the ILRP website.

In a letter dated 3 February 2012, the CRC requested termination of the Propanil Management Plan that the CRC voluntarily submitted. The Executive Officer approved the termination on 9 March. The CRC has agreed to continue the grower and applicator outreach implemented as part of the management plan.

Monitoring for the 2012 Rice Pesticides Program (RPP) and ILRP monitoring have been delayed by weather. Monitoring will be delayed by at least 1-2 weeks. (MW)

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

On 7 February, the Executive Officer approved the East San Joaquin Water Quality Coalition 28 December Yori Grove Drain at East Taylor Road site removal request. The Coalition provided sufficient evidence that the Yori Grove Drain site was affected by urban influence and not representative of agriculture in the area.

On 1 March, staff held the 14th quarterly meeting with the East San Joaquin Water Quality Coalition (Coalition) to discuss progress of implementing the Coalition's Management Plan, performance goals, and potential monitoring site and schedule revisions.

On 1 March, staff received the East San Joaquin Water Quality Coalition Annual Monitoring Report (AMR). The review of the AMR is underway.

On 27 March, the Executive Officer sent a letter to the East San Joaquin water Quality Coalition and Westside San Joaquin River Watershed Coalition outlining changes in the 2012 TMDL monitoring schedule. The TMDL monitoring at compliance points in the San Joaquin River is required monthly from May to August in 2012.

On 2 April, staff received the East San Joaquin Water Quality Coalition Annual Management Plan Update Report (MPUR). Staff is reviewing the MPUR and preparing comments.

On 12 April, the East San Joaquin Water Quality Coalition (Coalition) requested to revise its monitoring schedule. The Coalition requested to remove Duck Slough at Highway 99 from the Coalition's monitoring program due to construction at the site. The Executive Officer approved the Coalition's request on April 26, and monitoring will continue at a downstream location.

On 16 April, the East San Joaquin Water Quality Coalition (Coalition) requested to reduce monitoring in 2012. The Executive Officer approved the Coalition's request to modify core, assessment and management plan monitoring. The approved revisions require amendments to the Monitoring and Reporting Program Plan in 2012.

On 30 April, staff received the 2012 Annual Monitoring Report for the San Joaquin Chlorpyrifos and Diazinon TMDL Compliance Monitoring prepared jointly by the East San Joaquin Water Quality Coalition and the Westside San Joaquin River Watershed Coalition. Staff is reviewing the report and preparing comments. (JSH)

### **Sacramento Valley Water Quality Coalition (SVWQC)**

On 29 February, the SVWQC submitted a request to modify monitoring requirements for water bodies in the upper watersheds of the Coalition area by reducing overlap of monitoring events with the SWAMP program. These requirements were amended and approved by the Executive Officer on 13 April.

Staff reviews of Source Evaluation Reports for Management Plans on seven waterways in the Sacramento River Watershed were completed. A letter and memorandum went out to the Coalition on 16 April detailing the next steps for each of the affected Management Plans.

On 13 April the SVWQC submitted a request to extend the Pilot Watershed Management Plan projects. These projects, which substitute management practice implementation and verification for most water quality monitoring requirements, have been in place in two subwatersheds for almost two years. With an approval letter from the Executive Officer, these projects have been extended until the new WDR Order for the Sacramento River Watershed is in place.

Joe Karkoski, Susan Fregien, Scott Perrou and Mark Cady attended the SVWQC Quarterly meeting on 25 April. Regional Board member Bob Schneider introduced himself and spoke about the work of the Board to Coalition members from all of the SVWQC subwatershed groups.

Staff received the 2012 SVWQC Annual Monitoring Report on 12 March. This report is under review.

The SVWQC Management Plan Progress Report was received on 6 April and is currently under review.

On 19 April, staff received requests from the Coalition to deem three Management Plans complete. These include *Ceriodaphnia* toxicity in Cache Creek, *Ceriodaphnia* and *Hyaella* toxicity in Stony Creek and *Hyaella* toxicity in the Cosumnes River. These requests are under review.

On 26 April, staff received a Pine Creek status update report from the Coalition outlining actions taken since a series of chlorpyrifos exceedances in that water body in the summer of 2011. (MC)

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

On 1 March, staff held the 14th quarterly meeting with the San Joaquin County and Delta Water Quality Coalition (Coalition) to discuss progress of implementing the Coalition's Management Plan, performance goals, TMDL monitoring and potential monitoring site revisions.

On 1 March, staff received the San Joaquin County and Delta Water Quality Coalition Annual Monitoring Report. Staff is reviewing and preparing comments.

On 22 March, the Executive Officer approved the 6 January San Joaquin County and Delta Water Quality Coalition request to consider Duck Creek at Highway 4 (pH, diazinon, Selenastrum toxicity) and French Camp Slough at Airport Way (dieldrin) sites Management Plans complete.

On 1 April, the San Joaquin County and Delta Water Quality Coalition (Coalition) submitted their 2012 Management Plan Update Report. The MPUR is under Staff review and will be posted on the Central Valley Water Board website.

On 17 April, the Executive Officer approved the 6 January San Joaquin County and Delta Water Quality Coalition request to consider Grant Line Canal at Clifton Court Road 4 (copper and lead), Mokelumne River

at Bruella Road (dissolved oxygen and copper), and Terminous Tract Drain at Highway 12 (Pimephales promelas and Selenastrum capricornutum) sites Management Plans complete.

On 27 April, the San Joaquin County and Delta Water Quality Coalition proposed to update its current monitoring program to include four new chlorpyrifos and diazinon Total Maximum Daily Load compliance monitoring locations. The compliance points must be representative of the Delta Waterways. The request is under review.

(CJ)

### **Southern San Joaquin Valley Water Quality Coalition (SSJVWQC)**

Management Plans for high-priority parameters have been submitted by each of the four sub-watersheds within the SSJVWQC. Some required Management Plans for lower-priority parameters have yet to be submitted. The submitted Management Plans are currently under review. (BV)

### **Westside Coalition**

On 22 March, the Executive Officer approved the Westside San Joaquin River Watershed Coalition's 9 March request to update special project monitoring. Four sites were eliminated from monitoring because of frequent dryness and two sites added metals, toxicity, and pesticide monitoring.

On 23 March, staff completed the Westside San Joaquin River Watershed Coalition Semi Annual Monitoring Report (SAMR) Review. Staff identified items that will need to be addressed in an addendum to the SAMR.

On 27 March, the Executive Officer sent a letter to the East San Joaquin water Quality Coalition and Westside San Joaquin River Watershed Coalition outlining changes in the 2012 TMDL monitoring schedule. The TMDL monitoring at compliance points in the San Joaquin River is required monthly from May to August in 2012.

On 30 April, staff received the 2012 Annual Monitoring Report for the San Joaquin Chlorpyrifos and Diazinon TMDL Compliance Monitoring prepared jointly by the East San Joaquin Water Quality Coalition and the Westside San Joaquin River Watershed Coalition. Staff is reviewing the report and preparing comments.

On 2 May, staff held a quarterly meeting with the Westside San Joaquin River Watershed Coalition to discuss progress of implementing the Coalition's Management Plans and performance goals. (CJ)

### **Other Projects**

#### **Data Management**

Data reports received through 1 March 2012 are currently being prepared for loading into a California Environmental Data Exchange Network (CEDEN) comparable database provided by the Central Valley Regional Data Center (CV RDC). At this time, 62 reports have been successfully processed and loaded into the CEDEN comparable database. Thirty six of those reports have been finalized and transferred to CEDEN for public access. An additional 14 reports have recently undergone a final verification and will be transferred to CEDEN by July 2012. The next round of data reports is due from the Coalitions in June.

At this time, all of the Coalitions have received an initial feedback package for their most recent electronic data deliverable (EDD). Feedback packages were developed to serve as real-time communication from Staff to assist the Coalitions with the review and formatting of datasets prior to submission. All new data submissions have been reviewed against the checklist provided to the Coalitions in their initial feedback packages. A follow-up feedback checklist has been provided to the Westside San Joaquin River Watershed Coalition, Sacramento Valley Water Quality Coalition and Westlands Storm Water Coalition (respectively) identifying areas of progress and areas of persistent or new issues. Future data submittals requiring extensive corrections will be returned to the Coalition for revision. After the data is successfully processed and loaded, the Coalition will be provided with a query of the data as it appears in the database.

In coordination with the CV RDC, ILRP staff is planning to hold a data management workshop on 28 June 2012. The work shop will begin with a brief status update, overview of the ILRP data processing procedures and expectations for Coalitions and laboratories presented by ILRP staff. Following the ILRP staff presentation will be a training module presented by the CV RDC for the web-based data checker. The data checker provides an online real-time tool to review data electronic data submissions for adherence to the formatting and business rules required for CEDEN comparability. The CV RDC will also be introducing their

updated webpage which contains various tools and information for further comparability assistance.  
(MM)

**Prop 84 Grant Funding**

The Coalition for Urban/Rural Environmental Stewardship (CURES) is providing project management for the Prop 84 grant. Ten projects have now been completed and invoiced under the grant program. Those receiving grant funds are required to provide a 50% match for their project. The Advisory Selection Committee met on 12 March and approved projects from the second round of applications. Approved applicants are now submitting landowner/grower contracts and other required documents to CURES. A request to extend the grant funding for two years is now being processed. Extension of the grant funding will allow a third round of applications to be processed.

The CURES website at <http://www.curesworks.org/bmp/projects84.asp> has photos of the completed projects.  
(MW)

ILRP Staff Initials Key:

AC	Alan Cregan	DS	David Sholes	MM	Melissa Morris
AL	Adam Laputz	JEC	Jeanne Chilcott	MW	Margaret Wong
BL	Ben Letton	JH	Jelena Hartman	RJS	Rudy Schnagl
BLS	Brett Stevens	JK	Joe Karkoski	SF	Susan Fregien
BV	Brent Vanderburgh	JRM	Jim Martin	TB	Terry Bechtel
CJ	Chris Jimmerson	KWE	Kerry Elliot	TJD	TJ Ditto
CR	Clay Rodgers	LW	Lisa Wilson	WO	Wesley Ouimette
DK	Dana Kulesza	MC	Mark Cady		

## STAFF RECOGNITION

**Candidate:** Adam Laputz  
**Unit:** Irrigated Lands Regulatory Program  
**Title:** Senior WRCE  
**Supervisor:** Joe Karkoski

Adam has been the project manager for the development of the long-term irrigated lands regulatory program since 2008, and his performance in that role has been outstanding. When he started on the project, limited progress had been made. The Board's vision of a comprehensive approach to regulating irrigated agricultural discharges was in jeopardy of being unfulfilled.

Despite limited experience with agricultural issues, Adam used his superior project management skills and water quality permitting background to quickly get the project on track. Adam worked with our CEQA contractor to get a comprehensive "Existing Conditions Report", describing surface and groundwater quality conditions throughout the Central Valley, complete in 10 months after years of delay. As the project moved into the development of alternatives for a program environmental impact report, a large stakeholder advisory workgroup was formed representing agricultural, environmental justice, environmental, industry, and government interests. Adam had the lead in developing the templates stakeholders used to provide their input and was responsible for documenting their recommendations. Adam consistently received high praise from all stakeholders for understanding their perspective and accurately capturing their feedback.

With the stakeholder recommendations in hand, Adam led our contractor and regional board team in completing the draft program EIR. Under Adam's direction, the contractors performed a complex analysis of the economic impacts and potential adverse environmental impacts of the alternatives. Adam then led the regional board team in preparing a staff report that synthesized the environmental, economic, and policy analysis resulting in a staff recommendation that incorporated the best elements of each alternative. The board certified the program EIR in April 2011 and directed staff to begin preparing a series of general waste discharge requirements consistent with the staff recommendation.

Adam took the lead in preparing the first of these general WDRs, which were released in April of this year for interested party review. The WDRs will address discharges from over 800,000 acres of irrigated land in the eastern San Joaquin River watershed, and will begin to address the significant nitrate water quality problems in groundwater in the Central Valley. The timely release of the WDRs could not have been accomplished without Adam's positive attitude and talent for synthesizing complex, and often contradictory, input from management, legal counsel, stakeholders, and his boss.

Although this was a team effort and the outcome is not yet certain, Adam's outstanding work deserves a large share of the credit for advancing the board's mission to protect water quality, while taking into account a wide variety of interests and perspectives. For his efforts on the long-term irrigated lands regulatory program (but, not for his lunch-time basketball prowess), Adam is truly deserving of the employee of the month award.

**Candidate:** Robert Ditto  
**Unit:** Storm Water  
**Title:** Environmental Scientist  
**Supervisor:** Steve Rosenbaum

Bob is recognized this month for his recent work in the industrial storm water program. He produced nearly 80 13267 Orders for sites that failed to properly address pollutants in their storm water runoff. I nominate Bob Ditto for his recent work in the Industrial Storm Water Program. In addition to his normal work in the program, Bob supervised two student interns to research our annual report data and produce nearly 80 enforcement orders requesting technical reports from dischargers. Bob wrote the text for these orders, identified the facilities and violations that needed enforcement action, and then worked with the students to create the final work products. Bob also tracked the status of each out-going order and the incoming responses. Bob's effort served to notify the regulated community of the importance of assessing their own analytical data and improving BMPs as required by the industrial storm water permit.



**Candidate:** Stacy Gotham  
**Unit:** North Regulatory Unit  
**Title:** Water Resource Control Engineer  
**Supervisor:** Bryan Smith

Stacy is excelling in her new responsibilities and helping run the North Regulatory Unit.

Stacy volunteered to accept new responsibilities as the acting lead for the North Regulatory Unit. In this role she provides staff training and initial review of work products. She helps track projects and develops recommendations for issue resolution. For example, Stacy has recently helped coordinate the issuance of two NPDES permits, two TSOs, and an NPDES rescission. She is also working on several high-profile NPDES permits for upcoming Board meetings. Stacy is knowledgeable, insightful, and dependable, and produces high-quality work. Her efforts are helping fill a void created by the vacancy of the unit chief, and are beneficial for her professional growth, and the needs of the Redding office. Her contributions are greatly appreciated.

**Candidate:** Aide Ortiz  
**Unit:** NPDES / Storm Water / 401 WQC  
**Title:** Water Resource Control Engineer  
**Supervisor:** Matt Scroggins

Aide has been with the Board and in the NPDES permitting program for almost four years. Aide remains a valuable asset to the program and the Board. She consistently produces good work products, exhibits an exceptional work ethic, stays on task, and is well organized. Last month Aide circulated for public comment a tentative NPDES permit and time schedule order for Southern Cal Edison's Big Creek WWTF, drafted an issue paper for Berry Petroleum, drafted three Report of Waste Discharge reminder letters which required significant file reviews, assisted on an inspection of the Visalia WWTF, and performed numerous other miscellaneous tasks related to her assigned sites.

Aide has also been instrumental in getting new staff up to speed on the intricacies of NPDES permit writing. Her documents are well written and her attention to detail is always evident. Aide is a very independent worker and consistently meets her work commitments. For these reasons and many more, Aide is a highly valued employee and very deserving of the Employee Recognition Award. Thank you Aide!

**Candidate:** Steven Thompson  
**Unit:** Administrative Support Unit  
**Title:** Associate Government Program Analyst  
**Supervisor:** Linda Bracamonte

In December 2011, the Administrative Unit lost our Personnel Analyst position due to a retirement. Given the hiring limitations, filling the vacancy was uncertain at that time. Steve was assigned most of the critical Personnel workload, most of which came with time sensitive activities.

With minimal training, he embraced every aspect of the new duties. Steve's willingness to learn new processes, take initiative to get questions answered, attentiveness to detail and a constant effort to go the extra mile resulted in over 20 positions being filled. This is in addition to countless personnel inquiries from staff that have been answered. Through this process Steve has gained the confidence of our internal customers as well as State Board. Steve has demonstrated exemplary customer service and an outstanding work ethic.

**Candidate:** Drew Coe  
**Unit:** Timber Harvest Regulatory  
**Title:** Engineering Geologist  
**Supervisor:** Angela Wilson

Drew Coe works in the Timber Harvest regulatory program at the Central Valley Water Board's Redding office. Beginning in summer 2011, public concerns regarding sediment impacts of clearcut harvesting in the Battle Creek watershed were brought to light through numerous articles in the Sacramento Bee and the Redding Record Searchlight. In the fall, National Resources Secretary John Laird requested the agencies responsible for permitting timber harvesting activities on private lands in the Battle Creek watershed to form

a task force to assess the claims and to respond appropriately. Drew Coe was one of the inspectors from the timber unit dedicated to the task force. Drew assisted in the development of a method to prioritize the assessment sites and in the creation of an assessment form to gather site-specific data.

Drew is highly regarded by all the members of the task force and their management for his technical and analytical skills, thus he was chosen to conduct the data analysis, organize a report and present the results to the Board of Forestry in early November. The time frame for the project was highly ambitious and Drew met those deadlines by putting in efforts above and beyond those required of timber harvest program staff. His efforts have been roundly praised by members of the Board of Forestry, Secretary Laird and others.

The results of this project have already had an effect on the ground through mitigation measures that have been or are soon to be applied, based on the data and report of the task force. It has presented opportunities to educate owners of rural roads within the watershed as well as provided important information to the public concerned about the watershed. Drew has followed through with the recommendations the task force generated, and with other timber harvest program staff has participated in a cooperative road assessment effort with two Counties and Sierra Pacific Industries. He has presented the findings of the task force at several venues that required him to modify his presentation each time to ensure the information was appropriate to the audience.

As a result of his efforts, Drew has been asked to present information regarding construction and maintenance of rural roads through the UC Extension's Rural Roads Webinar Series scheduled for May 2012. This webinar is an excellent step in reaching the operators that build, maintain and reconstruct rural roads in our forested watersheds.

Drew uses his substantial analytical and technical skills to benefit the timber harvest program and ultimately provides sound technical guidance to insure protection of water quality in our forested watersheds. We are fortunate to have such a knowledgeable and dedicated staff member within our organization.

## PUBLIC OUTREACH

On 24 to 28 October, Alex MacDonald and James Taylor attended the meetings of the Interstate Technology and Regulatory Council's (ITRC) Integrated DNAPL Team and Remediation of Contaminated Sediments Team, respectively, in Denver, Colorado. ITRC is a state-led coalition working together with industry and stakeholders to achieve regulatory acceptance of environmental technologies. The Integrated DNAPL Team completed its second document on Integrated DNAPL Source Site Strategy and is developing the internet training on the document. The Remediation of Contaminated Sediment team's goal is to prepare a technical and regulatory guidance document to assist the user in the identification and selection of applicable sediment remedial approaches to mitigate exposure to sediment contamination. (JDT)

On 2 March, staff attended an alfalfa water sensor demonstration for Coalition representatives and Regional Board staff at UC Davis, hosted and presented by Dr. Shrini Upadhyaya. The workshop was also attended by NRCS and RCD representatives who work closely with the Coalition groups. The goal of the workshop was to demonstrate the application of the water sensor system and discuss potential opportunities for funding the installation of projects. (SF)

On 6 March, Joe Karkoski participated in a Water Board panel discussion on the irrigated lands regulatory program (ILRP) with the California Board of Agriculture. The Board of Agriculture serves as an advisory body to the Secretary of Agriculture. Mr. Karkoski's presentation focused on nitrate issues in the Central Valley and the long-term ILRP.

On 8 March, Guy Chetelat attended the statewide large reservoir mercury TMDL CEQA public scoping meeting in Redding.

On 12 March, Pam Buford attended a meeting of the Madera County Integrated Regional Water Management Planning Group. The purpose of the meeting was to discuss the upcoming Planning grant application and meet with a Facilitator who will be assisting the group in updating their governance and engaging stakeholders.

On 19 March, Betty Yee attended the Water Plan's workshop on education and outreach. The purpose of the workshop was to determine if there is a need to include strategies for general education and outreach activities that would lead to greater awareness on water issues. The goal is to develop a resource management strategy for inclusion in the Department of Water Resources' Water Plan.

On 19 March, Janis Cooke and Patrick Morris met with several wastewater treatment agency representatives to discuss the Phase 1 methylmercury control studies for the Delta and pollution prevention plans. The group discussed the control study guidance and the agencies' study coordination efforts.

On 19 March, Guy Chetelat and Ben Letton participated in the Upper Sacramento, McCloud, and Lower Pit Rivers Integrated Regional Water Management meeting in Mount Shasta.

On 20 March, Guy Chetelat attended the Battle Creek Working Group (combined public and agency) meeting in Red Bluff.

On 20 March, Sue McConnell and Jay Simi facilitated the monthly Drinking Water Policy Workgroup meeting. The main focus of this meeting was to discuss the outline and structure of the staff report to support the proposed Basin Plan Amendment.

On 21 March, Stephanie Fong led an IEP POD Contaminants Work Team (CWT) meeting that presented recent study findings from many Bay-Delta contaminant-related projects. Chris Foe, Christine Joab, Tessa Fojut, and Danny McClure participated in the meeting. Discussions following the presentations warranted a follow-up meeting to prioritize future studies and collaborate on study ideas.

On 21 March, Christine Joab, Sue McConnell, and Martice Vasquez participated in the 15<sup>th</sup> WARMF User Group meeting that discussed deliverables that would be included in the annual report.

On 21 March, Danny McClure attended a meeting of the Western Plant Health Association's Water Quality Committee to discuss the status of pesticide Basin Plan Amendments and the development of water and sediment aquatic life criteria.

On 21 March, Alex MacDonald presented an update on the investigation and remediation efforts by Aerojet and the Boeing Company at the bimonthly meeting of the Aerojet Community Advisory Group. The update highlighted the implementation of remedial actions in the Perimeter Groundwater Operable Unit and the ongoing investigation at several source areas of pollution on the Aerojet property and the Inactive Rancho Cordova Test Site. (AMM)

On 26 March, Joe Karkoski and Tom Mumley of the San Francisco Bay Regional Board met with management from the Department of Pesticide Regulation to discuss coordination between the water boards and DPR on pesticide related water quality issues.

On 28 March, Michelle Wood and Janis Cooke attended the Delta Tributaries Mercury Council meeting in Galt. Michelle presented a brief overview of the Statewide Mercury Control Program for Reservoirs that is currently under development.

On 28 March, Jay Simi made a presentation to the East Stanislaus Resource Conservation District in Oakdale, CA. The presentation focused on the development of the Integrated Report with emphasis on the impaired waters listing status of local water bodies. The presentation was followed by a question and answer period with local stakeholders.

On 29 March, Ben Letton attended a Feather River CRM meeting in Quincy, CA to review and discuss the results of 2011 annual project monitoring. Additional topics included a Fact Sheet for Meadow Restoration Projects.

On 29 March, Betty Yee attended the Water Plan's workshop on sediment management. The purpose of the workshop was to identify sedimentation issues that affect water supply, water quality, flooding, ecosystem health, etc. and to develop strategies to address the issues. The goal is to develop a resource management strategy for inclusion in the Department of Water Resources' Water Plan.

On 29 March, Diana Messina gave a presentation and participated in a panel discussion to a visiting foreign delegation from West Africa. The U.S. Department of State hosted this information exchange at the State Capital through its International Visitor Leadership Program. Diana's presentation focused on federal and state regulations of water quality in California. The panel discussion, including representatives from local agencies, Friends of the River, and the Association of California Water Agencies (ACWA), focused on conflicts over water supply and water quality, and presented actual successes in resolving such conflicts.

On 2 April, Betty Yee attended the Water Plan Regional Forum for the Mountain Counties area. The Mountain Counties area is the Sierran side of the Sacramento and San Joaquin Rivers Hydrologic Basins. The Department of Water Resources' Water Plan includes a chapter for this geographic region to discuss water issues specific to this area. The forum is an opportunity for the stakeholders to get together and discuss water related issues specific to this geographic region.

On 3 April, Rick Moss and Gen Sparks attended the South Sacramento Habitat Conservation Plan Principals Meeting. The meeting included discussions on the review and progress of the plan development and agency coordination, agency feedback and comments, and statements from stakeholders, elected officials and staff of representatives of Congress.

On 3 April, Sue McConnell and Jay Simi facilitated the monthly Drinking Water Policy Workgroup meeting. The meeting was mostly dedicated to discussing a compilation of available data for Cryptosporidium and Giardia as well as methods of assessing and presenting that data.

On 4 April, Pam Buford attended a meeting of the Southern Sierra Integrated Regional Water Management Planning Committee. The purpose of the meeting was to prepare for upcoming work pending results of the Planning Grant application.

On 5 April, Betty Yee attended the Water Plan's workshops on land use and agricultural water use efficiency. The purpose of the workshops is to discuss the current state of the strategies for these topics and to solicit stakeholder input on additional issues and recommendations to improve the state of water in California.

On 5 April, Alex MacDonald provided nation-wide training via the internet for the Integrated DNAPL Source Site Strategy Team of the Interstate Technical Regulatory Council (ITRC). Alex was one of four instructors

for the 2.25 hour training on the ITRC document *Integrated DNAPL Site Strategy* (November 2011). This is the second of several training sessions on the document. The training is provided free of charge to regulators, consultants, academia and other interested persons nation wide. Approximately 250 people world-wide attended this training. (AMM)

On 6 April, Ben Letton attended a Pit River IRWM Climate Variability meeting in Adin, CA. The group reviewed climate variability modeling results for the Upper Pit River watershed.

On 16 April, Christine Joab attended a STRTAG meeting that focused on reviewing a guidance document for the NNE approach in TMDLs and the possible use of NNE in the NPS Program.

On 16 to 20 April, James Taylor and Alex MacDonald attended meetings of the Interstate Technology and Regulatory Council's (ITRC) Remediation of Contaminated Sediments Team and Integrated DNAPL Team, respectively, in Des Moines, Iowa. ITRC is a state-led coalition working together with industry and stakeholders to achieve regulatory acceptance of environmental technologies. The Remediation of Contaminated Sediment team's goal is to prepare a technical and regulatory guidance document to assist the user in the identification and selection of applicable sediment remedial approaches to mitigate exposure to sediment contamination. The Integrated DNAPL Team has completed documents on mass flux and DNAPL site strategy and is conducting internet training on both. It is also in the process of developing a third document on characterization of sites containing DNAPLs. (JDT)

On 17 April, Chris Foe, Stephanie Fong, and Christine Joab participated in a webinar by Pat Glibert on her recent nutrient study findings.

On 17 April, Pamela Creedon, Bob Crandall, George Day and Guy Chetelat met with Carnegie State Vehicle Recreation Area users in Sacramento. The American Motorcycle Association, Carnegie Forever and Blue Ribbon Coalition expressed concerns about impacts to park use from Water Board regulation. We discussed the cleanup and abatement order issue 23 February 2012, the small MS4 Storm Water Permit and the need to protect water quality.

On 23 April, Joe Karkoski participated in a Water Board panel discussion with the California Department of Food and Agriculture's Science Advisory Panel. The Science Advisory Panel was discussing different approaches to incentivize growers to address nitrate issues in groundwater.

On 24 April, Chris Foe, Tessa Fojut, Stephanie Fong, and Christine Joab participated in a IEP POD CWT meeting to prioritize future studies and discuss opportunities for collaboration on study ideas relevant to contaminants in the Delta.

On 24 April, Holly Grover participated in the West Side IRWMP meeting, held in Clearlake, to discuss overview of the planning process, goals and objectives, schedule, and the initial draft of the IRWM plan. The next meeting is anticipated to be held in June in Vacaville.

On 25 April, Surface Water Ambient Monitoring Program (SWAMP) staff attended the Central Sierra Watershed Committee meeting up in Oakhurst to exchange information with local watershed management groups. Joanna Clines a Forest Botanist for the Sierra National Forest discussed the impacts that invasive non-native weeds have on Mariposa, Madera, and Fresno counties and how to control and manage the spread of invasive non-native weeds. In addition the Central Valley Regional Water Quality Control Board - Fresno office received copies of "Welcome to the Foothills, a Guide to Living Lightly in Eastern Fresno County," booklets from the Yosemite Sequoia Resource Conservation and Development Council for distribution to the public. (BDS)

On 26 April, Alex MacDonald presented an update on the status of the Aerojet and Inactive Rancho Cordova Test Site cleanup projects to the Sacramento Groundwater Authority (SGA). SGA is a consortium consisting of the water purveyors in Sacramento County that are north of the American River and east of the Sacramento River. (AMM)

On 27 April, Betty Yee attended the Water Plan's groundwater caucus. The purpose of the caucus was for the Department of Water Resources to provide an update on completing the elements of a groundwater report which would provide information for the various regional report chapters as well as serve as a stand-alone report on the state of groundwater in California.

On 28 April, Greg Cash and Melissa Buciak hosted an exhibit at the City of Redding, Whole Earth and Watershed Festival at the Civic Center. The topic of our booth centered on high profile projects where the Central Valley Water Board has had oversight, and how those projects have improved water quality. The specific projects included: Red Bluff Diversion Dam Project, Antlers Bridge Replacement Project, Keswick/Iron Mountain Mine Dredging Project, Battle Creek Restoration Project, and Whiskeytown Lake de-listing for fecal coliform. Approximately 4,000 - 6,000 people and over 30 watershed related agencies (National Parks, Federal/State/Local agencies) attended the all-day event.

On 30 April and 1 May, Stephanie Fong attended the Delta Stewardship Council meeting at which a science panel revealed their evaluation of the BDCP Effects Analysis. Agency representatives also presented their issues with the current language in the Effects Analysis.

On 1 May, Pam Buford participated in a subcommittee meeting of neutral committee members of the Southern Sierra Integrated Regional Water Management Planning Group. The purpose of the meeting was to assist in evaluating nominees for their grantee/fiscal agent if awarded a Planning Grant.

On 1 May, Anthony Medrano co-chaired a meeting of the Kern Environmental Enforcement Network (KEEN). The purpose of the meeting was to discuss and follow-up on various ongoing environmental justice issues related to several disadvantaged communities in Kern County. The newly launched KEEN website was also discussed.

On 2 May, Betty Yee attended the Water Plan's workshop on urban water use efficiency. The purpose of the workshop was to solicit comments on issues and recommendations related to promoting urban water use efficiency.

On 2-3 May, Stephanie Fong attended the ISB's meeting that focused on State Board's flow efforts and the BDCP EIR/EIS. Other items discussed include their review of Delta science and outside programs.

On 3 May, Alex MacDonald provided nation-wide training via the internet for the Integrated DNAPL Source Site Strategy Team of the Interstate Technical Regulatory Council (ITRC). Alex was one of five instructors for the 2.25 hour training on the ITRC document *Use and Measurement of Mass Flux and Mass Discharge* (August 2010). This is the fifth of eight training sessions on the document which is provide free of charge to regulators, consultants, academia and other interested persons world-wide. Approximately 150 people attended this training. (AMM)

On 3 May, Ben Letton attended an Upper Sacramento and McCloud River IRWM meeting in McCloud, CA. Governance structure, conflicts and issues were the main topics of the meeting.

On 7 May, Anthony Medrano attended a meeting of the Tulare Lake Basin Disadvantaged Community Water Study Stakeholder Oversight Advisory Committee. The primary focus of the meeting was a review of consultants work on priority issues of database development, discussion of the "solutions menu", and pilot projects for drinking water and wastewater treatment projects.

On 7 May, Drew Coe of the Redding office's Timber Unit presented a talk titled "Rural Roads: Hydrologic and Water Quality Impacts" at the Rural Roads Webinar.

On 8 May, Sue McConnell and Jay Simi facilitated the monthly Drinking Water Policy Workgroup meeting. Prior to the meeting, a draft staff report was distributed for review by the Workgroup. Topics requiring further discussion were noted by staff, and comments were received.

On 15 May, Gen Sparks attended the California Wetland Monitoring Work Group meeting. The meeting included discussions on the online 401 Water Quality Certification application pilot effort, upgrades to the Wetland Tracker and wetland portal for the My Water Quality interactive websites. Over the last 3 months, the 401 Water Quality Certification Program staff (Rancho Cordova office) has given public presentations to the US Army Corps of Engineers Regulatory Information Forum, four California Department of Transportation (Caltrans) District offices, El Dorado County, and multiple consulting firms, to maximize 401 Certification permitting coordination. Federal, state and local agencies have commended the Central Valley Water Board's public education and outreach, which has accelerated the permitting process and strengthened vital coordination. Additionally, staff has modified the application process for timely

Certification for projects receiving California Transportation Commission funds for construction of highways and transit improvements, accelerating projects that are critical to the continued economic development, employment, and public safety within the Central Valley region.

On 15 May, Guy Chetelat attended the Battle Creek Working Group (combined public and agency) meeting in Red Bluff.

On 15 May, Ben Letton attended the Cow Creek Watershed Group in Palo Cedro, CA. Mr. Letton updated the group on the status of the long-term ILRP and the likely content of the Sacramento River Valley Order, which includes the Shasta-Tehama subcoalition and the Cow Creek Watershed.

**PERSONNEL AND ADMINISTRATION**

**March 1, 2012 – April 30, 2012**

<u>Total Positions</u>	<u>Vacancies</u>	<u>Gained</u>	<u>Lost</u>
237.5	4	4	2

Gains:

Martice Vasquez, Robert Lira – Environmental Scientists

Jude Chang – Associate Governmental Program Analyst

Aimee Phiri – Water Resources Control Engineer

Promotions:

Gerald Djuth – Sr. Engineering Geologists

Leave of Absence:

Julie Tran

Return from LOA:

Ann Palmer

Separations:

Tim O'Brien

Victor Vasquez

Retirements:

None



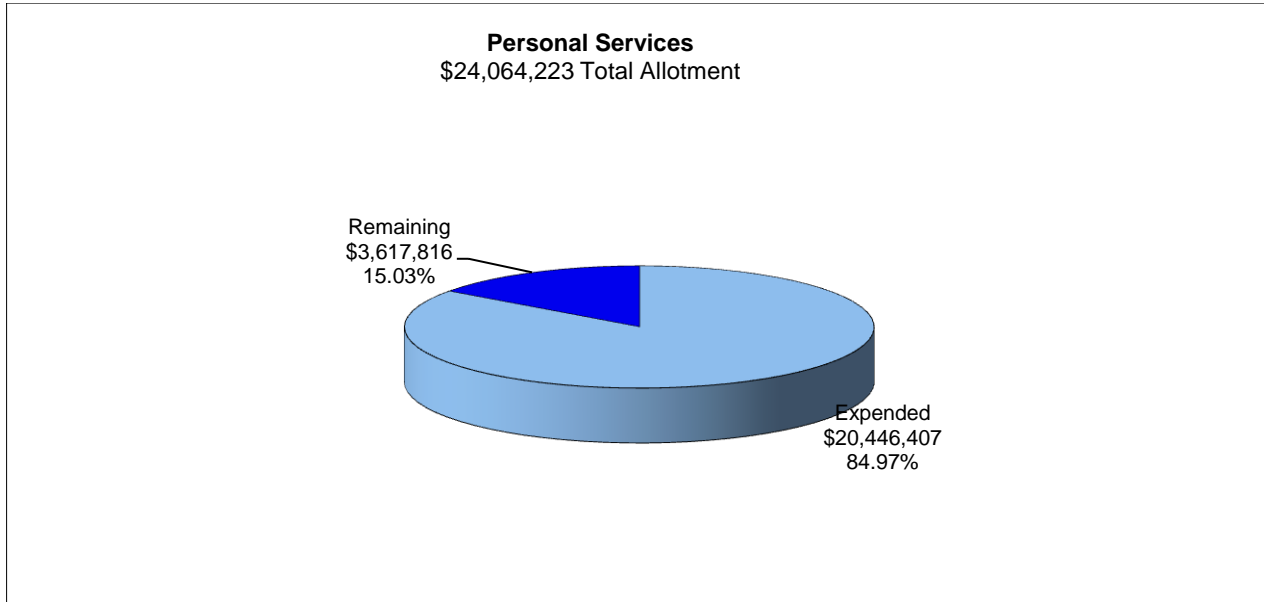
**TRAINING REPORT**  
**March 1, 2012 – April 30, 2012**

<u>Course Title:</u>	<u>Number of Attendees</u>
2012 IEP Annual Workshop	4
ArcGIS 10 applications	1
Basic Inspector Training	5
Basic Supervision for State Supervisors - Part II	2
CDQAP Environmental Stewardship Short Course	1
Central Valley Tour	1
Civil Surveying Review Workshop	1
CWA Section 404:National & Other Specialized Permits	3
Data-driven Planning for TMDL Effectiveness Monitoring	1
Defensive Drivers Training	4
EAP Webinar Orientation	1
Groundwater Pollution & Hydrology	1
Groundwater Recharge Mapping	1
History & Evolution of the Clean Water Act	1
Intro to Analytical Staff Work	1
Muni Storm Sewer Sys-MS4 Inspectors/Auditors	2
Negotiating Effective Environmental Agreements	2
New Employee Orientation	1
Outlook 2010 level 1 & 2	2
Preventing Workplace Harassment	54
Procurement Training	1
Salmonid Restoration Conference	2
Short Course-Whole Effluent Toxicity Webinar	4
Transition from Office 2003	1
Troubleshooting and Supporting Windows 7 in the Enterprise	1
Vernal pool Cram	4
Water Rights 101	17
Windows 7 Enterprise Desktop Support Technician	3
Writing for Professionals: Editing	1
Writing for Scientific Professionals: Grammar & Punctuation	2
Writing for Scientific Professionals: It's All About Structure	1

**FISCAL REPORT**  
**Based on April 2012 Expenditure Data**  
(83% should have been expended to date)

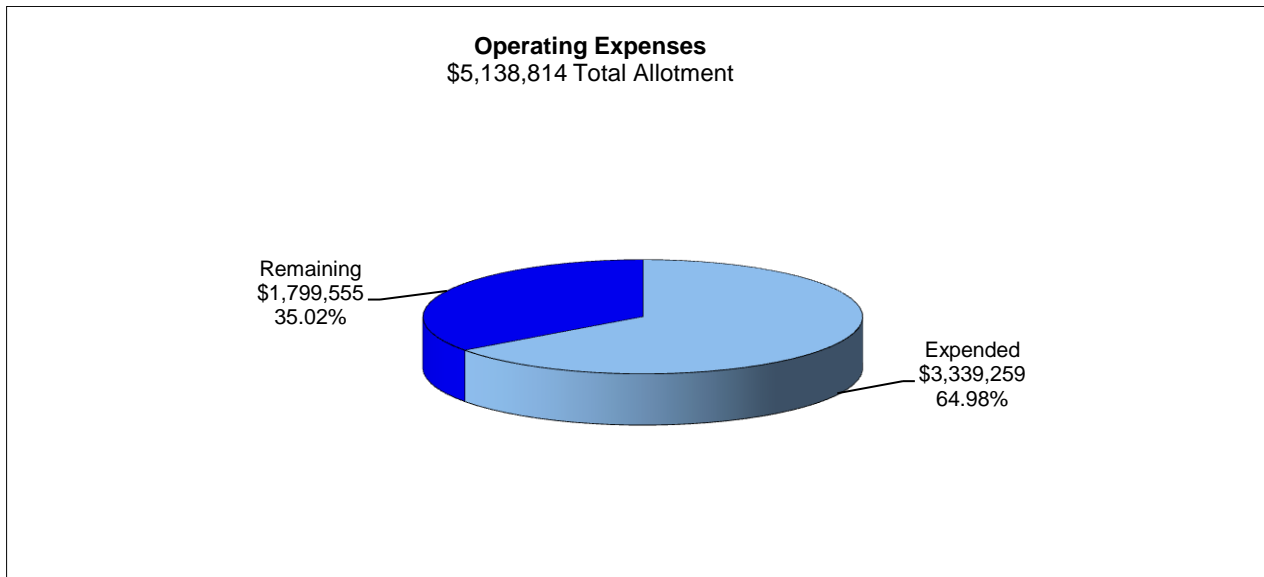
Personal Services:

Our Personal Services budget is \$24,064,223.



Operating Expenses:

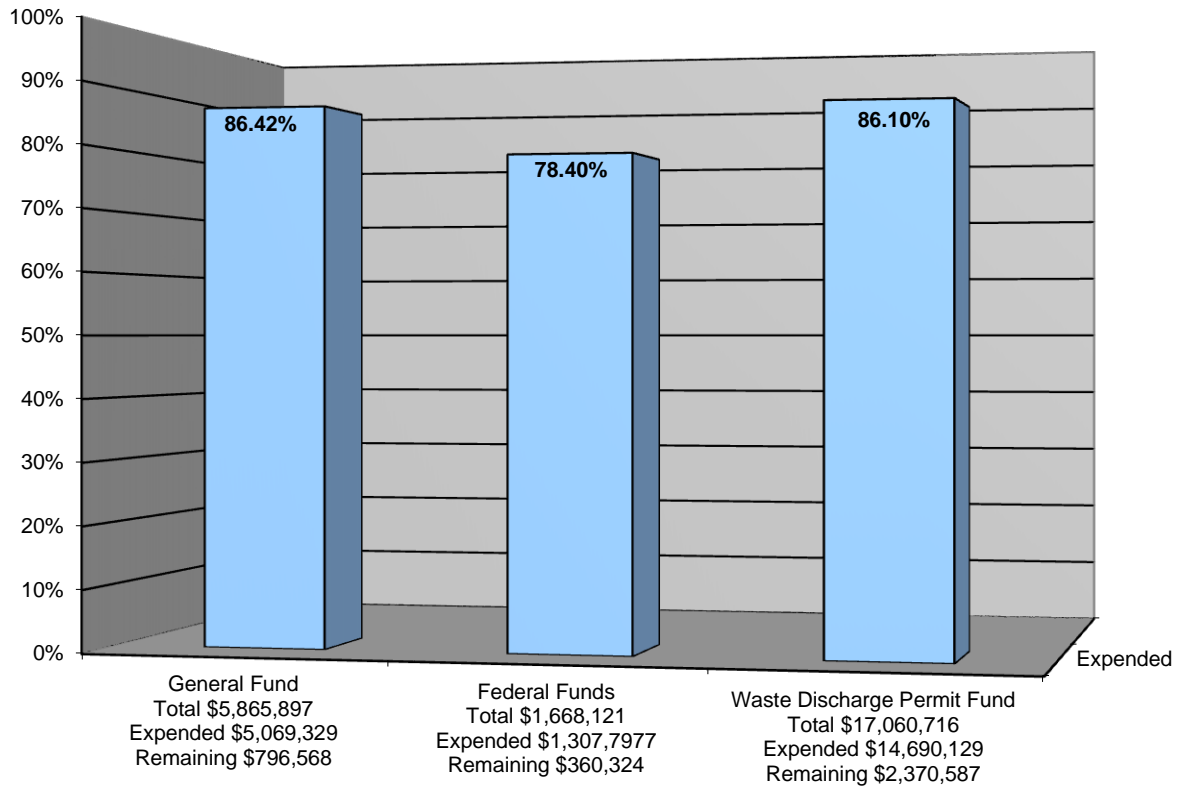
Our Operating Expense budget is \$5,138,814. State Board has consolidating the majority of operating expenses for all orgs.



Key Fund Issues:

All key funds are being spent at a reasonable level. We monitor the funds to make sure we do not overspend any single fund source.

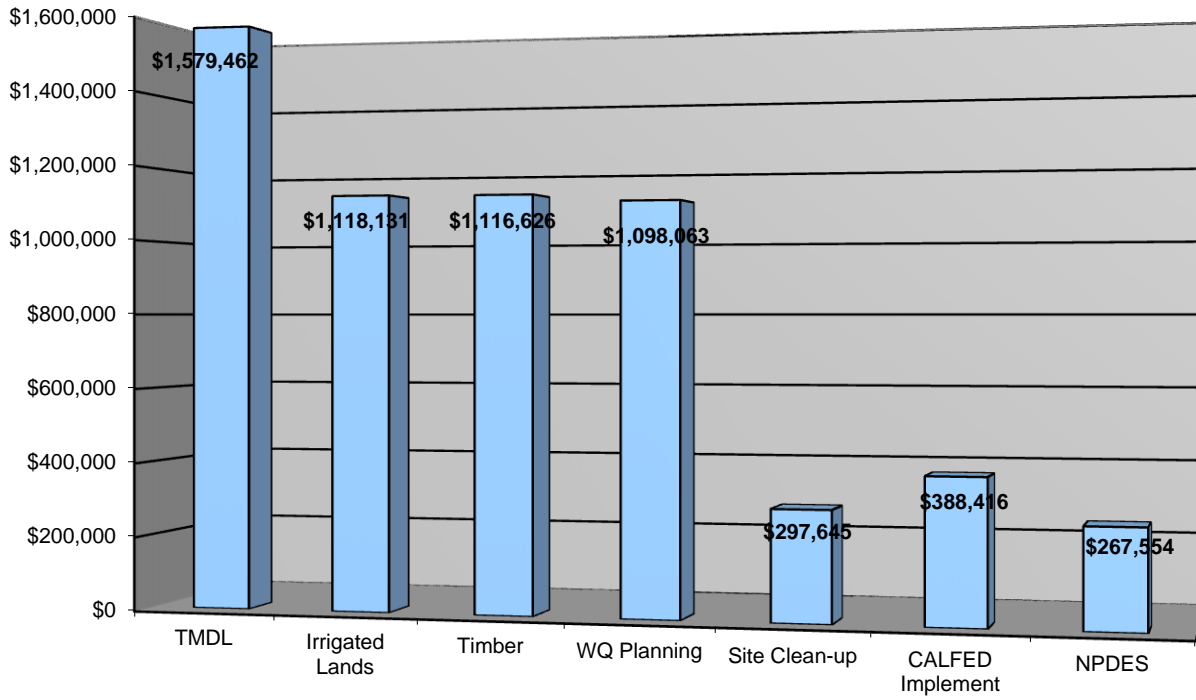
### Key Funds



#### General Fund Resources:

Below is a chart showing how much general fund money we have received for this year and what programs are funded from this resource. The Legislature and the Governor have directed the money to these specific programs. We have very little discretion in shifting these resources to another program.

**General Fund Resources**  
\$5,865,897 Total Allotment



	TMDL	Irrigated Lands	Timber	WQ Planning	Site Clean-up	CALFED Implement	NPDES
Alloted Amount	\$1,579,462	\$1,118,131	\$1,116,626	\$1,098,063	\$297,645	\$388,416	\$267,554
% of Total General Fund	26.93%	19.06%	19.04%	18.72%	5.07%	6.62%	4.56%

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 ORGANIZATION -- Region 5

PERSONAL SERVICES	POSITIONS/PYS	----- \$ EXPENDITURES -----			
	BUDGETED	\$ BUDGETED	EXPENDED	BALANCE	% EXPENDED
Authorized Positions					
Permanent Positions	237.5	19,194,339	14,688,000	4,506,339	77 %
Temporary Help	0.0	20,000	0	20,000	0 %
Overtime		0	590	( 590)	0 %
Board Stipend		12,000	3,700	8,300	31 %
Total Authorized Positions	237.5	19,226,339			
Salary Increases		0			
Workload & Admin. Charges	0.0	0			
Proposed New Positions	0.0	0			
Partial Year Positions	0.0	0			
Total Adjustments	0.0	0			
Total Salaries	237.5	19,226,339			
Salary Savings	( 11.8)	( 1,039,805)			
Net Total Salaries	225.7	18,186,534			
Staff Benefits		5,877,689	5,754,117	123,572	98 %
TOTAL PERSONAL SERVICES(PS)	225.7	24,064,223	20,446,407	3,617,816	85 %
LINE ITEM OPERATING EXPENSES & EQUIPMENT DETAIL					
General Expense		319,436	132,148	187,288	41 %
Printing		47,421	42,638	4,783	90 %
Communications		185,689	73,438	112,251	40 %
Postage		26,935	61,885	( 34,950)	230 %
Travel In-State		88,618	77,314	11,304	87 %
Travel Out-Of-State		0	0	0	0 %
Training		73,613	21,274	52,339	29 %
Facilities Operations		0	300	( 300)	0 %
Utilities		0	72,381	( 72,381)	0 %
Contracts - Internal		905,272	150,860	754,412	17 %
Contracts - External		2,866,990	2,102,120	764,870	73 %
Consolidated Data Center		0	0	0	0 %
Central Adm.Serv. - Prorata		0	0	0	0 %
Central Adm.Serv. - SWCAP		0	0	0	0 %
Equipment		168,850	30,362	138,488	18 %
Other		455,990	574,539	( 118,549)	126 %
TOTAL OPERATING EXPENSE & EQUIPMENT(OEE)		5,138,814	3,339,259	1,799,555	65 %
TOTAL PS & OEE		29,203,037	23,785,666	5,417,371	81 %
Indirect		7,740,697	5,863,209	1,877,488	76 %
GRAND TOTAL		36,943,734	29,648,875	7,294,859	80 %

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## Expenditure Organization Summary

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Organization - Region 5

for the month ending April 10/11

Fund Source	\$ Allotment	\$ Expenditures	% Expended
NPS Pollution Control Program-Prop 13 -- (00BOND-NPSC)	= 0	0	0.0
Prop 84 - 2006 Bond -- (06BOND)	= 0	0	0.0
Cleanup & Abatement Account-Management -- (CAA)	= 5,902,615	3,900,009	66.1
NPDES -- (F(106))	= 240,126	212,616	88.5
Non-Point Source -- (F(319H))	= 733,612	619,980	84.5
DoD Cost Recovery -- (F(DOD-CR))	= 122,720	99,519	81.1
Lawrence Livermore -- (F(LL300))	= 214,877	46,554	21.7
Leaking Underground Storage Tanks -- (F(LUST))	= 357,236	329,189	92.2
General -- (G)	= 5,865,897	5,069,329	86.4
Indirect Distributed Cost -- (IDC)	= 0	0	0.0
-- (IDC-D)	= 0	0	0.0
Integrated Waste Mngmt Acct (AB 1220) -- (IWMA)	= 1,138,155	996,932	87.6
Proposition 50 -- (PROP 50)	= 0	0	0.0
Aerojet Gen Corp Oversight of Cleanup -- (R(AEROJET))	= 167,150	159,901	95.7
Basin Plan Amendments - Drinking Water -- (R(BASIN-DW))	= 145,220	0	0.0
DTSC Brownfield Coordination -- (R(BROWNFIELDS))	= 13,482	12,816	95.1
CALFED Cooperative Program -- (R(CALFED))	= 901,745	52,698	5.8
(R) Dept of Water Resources -- (R(DEPT WR))	= 122,999	95,959	78.0
R (Dept of Defense Cleanup Oversight) -- (R(SLCDOD))	= 1,337,670	1,009,147	75.4
Surface Impoundment Assessment Account -- (SIAA)	= 0	0	0.0
State/Federal Revolving Fund-Federal -- (SRFFED)	= 11,532	7,416	64.3
Tobacco Tax -- (TBT)	= 136,481	123,880	90.8
Underground Storage Tank Cleanup Fund -- (UTSCF)	= 2,471,516	2,222,801	89.9
Waste Discharge Permit Fund -- (WDPF)	= 17,060,716	14,690,129	86.1
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TOTAL	36,943,749	29,648,875	80.3 %

**ATTACHMENT A**

**Count of Spills 1 March - 30 April 2012**

Count of Spills ID	Region		5F Total	5R	5R Total	5S	5S Total	Grand Total	
	5F								
Start Date	Category 1	Category 2	Category 2		Category 1	Category 2			
Mar	5	9	14	3	3	13	179	192	209
Apr	1	7	8	1	1	5	34	39	48
<b>Grand Total</b>	<b>6</b>	<b>16</b>	<b>22</b>	<b>4</b>	<b>4</b>	<b>18</b>	<b>213</b>	<b>231</b>	<b>257</b>

Row Labels	Count of Spills
Root intrusion	142
Debri-General	35
Grease deposition (FOG)	30
Other (specify below)	19
Pipe structural problem/failure	14
Debri-Rags	8
Operator error	3
Rainfall exceeded design (Separate CS Only)	2
Pump station failure	2
Vandalism	1
Flow exceeded capacity (Separate CS Only)	1
<b>Grand Total</b>	<b>257</b>

**Category 1**

All discharges of sewage resulting from a failure in an Enrollee's sanitary sewer system that:

- A. Equal or exceed 1000 gallons, or
- B. Result in a discharge to a drainage channel and/or surface water; or
- C. Discharge to a storm drainpipe that was not fully captured and returned to the sanitary sewer system.

**Category 2**

All discharges of sewage resulting from a failure in an Enrollee's sanitary sewer system not meeting the definition of Category 1

Region	Collection System	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Spill Reached Surface Waters	Spill Reached Storm Drain System	Total Spill Volume (gal)	Spill Volume that Reached Surface Waters (gal)	Start Date	Spill Cause	
5S	Sacramento Area Sewer District CS	778940	Certified	Category 1		46062	Sacramento	Yes	No	8897	8897	03/20/12	Debris-General
5S	Calaveras Big Trees State Park CS	779099	Certified	Category 1	Calaveras Big Trees State Park	Calaveras	No	No	8200	0	03/25/12	Pipe structural problem/failure	
5F	MD-27 Goldside CS	779076	Certified	Category 1	MD27 Goldside lift station	Madera	No	No	7200	0	03/19/12	Pump station failure	
5S	Grass Valley City CS	778821	Certified	Category 1	535 East Main Street	Nevada	Yes	Yes	3600	3550	03/16/12	Debris-General	
5S	Colfax CS	779280	Certified	Category 1	Manhole 28	Placer	Yes	No	3500	3500	03/28/12	Vandalism	
5F	Tuolumne Utilities District CS	779063	Certified	Category 1	m/h in backyard of address	Tuolumne	Yes	No	3200	2500	03/23/12	Grease deposition (FOG)	
5S	SMD No. 1 CS	778884	Certified	Category 1	Auburn Ravine Lift Station. Map page AA6 Manhole 29	Placer	Yes	No	3000	3000	03/16/12	Flow exceeded capacity (Separate CS Only)	
5F	SA-2 Bass Lake CS	778423	Certified	Category 1	39139 Poplar	Madera	Yes	No	2000	2000	03/05/12	Grease deposition (FOG)	
5F	Tehachapi Correctional Inst CS	779643	Certified	Category 1	open field	Kern	No	No	2000	0	03/21/12	Debris-General	
5S	Sacramento Area Sewer District CS	779128	Certified	Category 1		46252	Sacramento	No	Yes	1507	0	03/23/12	Debris-General
5F	Kern Sanitation Authority CS	780466	Certified	Category 1	1216 Jefferson	Kern	Yes	Yes	1200	800	04/20/12	Grease deposition (FOG)	
5S	Sacramento Area Sewer District CS	778867	Certified	Category 1		45938	Sacramento	Yes	Yes	1120	1120	03/19/12	Root intrusion
5S	Murphys CS	779601	Certified	Category 1	Intersection Ernest Street and Hwy 4	Calaveras	Yes	No	1000	1000	04/03/12	Grease deposition (FOG)	
5S	Grass Valley City CS	778801	Certified	Category 1	450 Mill Street	Nevada	Yes	Yes	900	900	03/16/12	Rainfall exceeded design (Separate CS Only)	
5F	City Of Bakersfield CS	778370	Certified	Category 2	Pecos River Drive & Haswell	Kern	No	Yes	850	0	03/02/12	Other (specify below)	
5S	Sutter Creek CS	779154	Certified	Category 2	Manhole # 230 Located in Rear Yard of 230 Judy Drive	Amador	No	No	650	0	03/27/12	Root intrusion	
5F	Tuttletown Recreation Area CS	779208	Certified	Category 2	Tuttletown Recreation Area Entrance Station	Tuolumne	No	No	500	0	03/28/12	Other (specify below)	
5S	Arnold CS	779603	Certified	Category 1	LS # 3 18 Dunbar Rd.	Calaveras	Yes	Yes	500	100	04/03/12	Pipe structural problem/failure	
5S	Turlock CS	779589	Certified	Category 2	East Springer	Stanislaus	No	Yes	486	0	03/04/12	Grease deposition (FOG)	
5S	City of Sacramento Utilities CS	778642	Certified	Category 2	1504 34th AVE	Sacramento	No	Yes	480	0	03/12/12	Root intrusion	
5S	Riverbank CS	780848	Certified	Category 2	2501 Rivercove	Stanislaus	No	Yes	400	0	04/14/12	Pump station failure	
5S	City Of Antioch CS	780672	Certified	Category 2	A st @ Texas	Contra Costa	No	No	375	0	03/29/12	Grease deposition (FOG)	
5F	Twain Harte CSD CS	779921	Certified	Category 2	Placer street spill	Tuolumne	No	No	360	0	04/10/12	Debris-General	
5S	Folsom State Prison CS	780059	Certified	Category 1	Folsom State Prison Admin Bldg	Sacramento	No	Yes	300	0	04/13/12	Debris-Rags	
5F	Tulare CS	780444	Certified	Category 2	Mariposa and R street	Tulare	No	No	300	0	04/19/12	Grease deposition (FOG)	
5S	Sacramento Area Sewer District CS	780186	Certified	Category 1		47489	Sacramento	Yes	No	270	270	04/13/12	Grease deposition (FOG)
5F	Lindsay, City of WWTP CS	779963	Certified	Category 2	April Foothill and Tulare spill	Tulare	No	No	250	0	04/10/12	Grease deposition (FOG)	
5F	City of Fresno CS	778560	Certified	Category 1	MH 2153-44	Fresno	No	Yes	230	0	03/10/12	Root intrusion	
5R	City Of Oroville CS	778581	Certified	Category 2	Manhole Z2	Butte	No	Yes	200	0	03/02/12	Root intrusion	
5S	Deer Creek CS	778842	Certified	Category 2	DC-2012-03-03	El Dorado	No	No	200	0	03/17/12	Pipe structural problem/failure	
5S	SMD No. 1 CS	779458	Certified	Category 1	Sylvan Glen Lift Station	Placer	Yes	No	200	30	03/30/12	Pipe structural problem/failure	
5S	Lathrop CS to Manteca WQCF CS	780239	Certified	Category 2	Sangalang Park	San Joaquin	No	No	200	0	04/09/12	Debris-General	
5S	Discovery Bay CS	780114	Certified	Category 2	Lakes Lift Station, Fern Ridge Circle	Contra Costa	No	No	200	0	04/16/12	Other (specify below)	
5F	City Of Bakersfield CS	780191	Certified	Category 2	Stockport Dr.	Kern	No	Yes	180	0	04/07/12	Debris-General	
5S	Maxwell PUD CS	780546	Certified	Category 2	North San Francisco St. cross of North St. Manhole	Colusa	No	No	175	0	04/23/12	Debris-Rags	
5S	City of Sacramento Utilities CS	778848	Certified	Category 2	173 LOVELAND AVE	Sacramento	No	Yes	165	0	03/19/12	Grease deposition (FOG)	
5S	Galt CS	779693	Certified	Category 2	362 Crescent Drive	Sacramento	No	Yes	160	0	04/07/12	Grease deposition (FOG)	
5S	Stonegate Village CS	779467	Certified	Category 2	Stonegate 003-2012	Sutter	No	Yes	150	0	04/01/12	Pipe structural problem/failure	
5S	Sacramento Area Sewer District CS	780210	Certified	Category 2		44834	Sacramento	No	Yes	142	0	03/02/12	Root intrusion
5S	City of Sacramento Utilities CS	778329	Certified	Category 2	2220 67th AVE	Sacramento	No	Yes	139	0	03/02/12	Root intrusion	
5S	City of Sacramento Utilities CS	778955	Certified	Category 2	1256 47th AVE	Sacramento	No	Yes	128	0	03/21/12	Root intrusion	
5S	Southeast Regional Waste Disp Fac CS	778381	Certified	Category 1	25th Ave. and Oak St.	Lake	Yes	No	125	19	03/05/12	Grease deposition (FOG)	
5S	Grass Valley City CS	778799	Certified	Category 1	450 Mill Street	Nevada	Yes	Yes	120	120	03/16/12	Rainfall exceeded design (Separate CS Only)	
5S	Lake of The Pines CS	778978	Certified	Category 1	11940 Lakeshore north auburn ca. 95602 L/S-4 LOP	Nevada	Yes	No	120	120	03/22/12	Pipe structural problem/failure	
5S	City of Woodland CS	778672	Certified	Category 2	1734 Bella Casa Dr	Yolo	No	Yes	107	0	03/11/12	Root intrusion	
5F	Atwater CS	779178	Certified	Category 2	Koehn Ct.	Merced	No	Yes	105	0	03/25/12	Debris-General	
5F	City Of Bakersfield CS	778364	Certified	Category 2	11601 Birch Haven Avenue	Kern	No	Yes	100	0	03/02/12	Other (specify below)	
5S	City Of Folsom Utilities Dept CS	778382	Certified	Category 2	116 Siblehorn Dr	Sacramento	No	Yes	100	0	03/04/12	Grease deposition (FOG)	
5S	Sacramento Area Sewer District CS	779550	Certified	Category 2		45118	Sacramento	No	No	100	0	03/04/12	Root intrusion
5S	Sacramento Area Sewer District CS	779817	Certified	Category 2		46228	Sacramento	No	Yes	100	0	03/23/12	Grease deposition (FOG)
5S	Sacramento Area Sewer District CS	780298	Certified	Category 2		46481	Sacramento	No	No	100	0	03/28/12	Root intrusion
5F	Lockeford CS	780539	Certified	Category 2	Tully Road force main vault	San Joaquin	No	No	100	0	04/17/12	Other (specify below)	
5F	City Of Bakersfield CS	778377	Certified	Category 2	700 Block of H Street	Kern	No	Yes	97	0	03/03/12	Debris-Rags	
5S	Manteca CS	780711	Certified	Category 2	Lupton	San Joaquin	No	Yes	85	0	03/25/12	Debris-General	
5S	City Of Brentwood CS	778926	Certified	Category 1	1125 Amanda Circle	Contra Costa	No	Yes	80	0	03/12/12	Grease deposition (FOG)	
5S	Easterly CS	779715	Certified	Category 2	West Street	Solano	No	No	62	0	04/07/12	Root intrusion	
5S	Sacramento Area Sewer District CS	778974	Certified	Category 2		44751	Sacramento	No	No	60	0	02/29/12	Root intrusion
5F	City Of Bakersfield CS	778374	Certified	Category 2	Palmer Drive & Demaret Avenue	Kern	No	Yes	60	0	03/02/12	Grease deposition (FOG)	
5S	Davis CS	778568	Certified	Category 2	407 G Street	Yolo	No	Yes	56	0	03/09/12	Root intrusion	
5S	Ceres CS	778584	Certified	Category 2	2601 Casa Verde Drive	Stanislaus	No	No	54	0	03/10/12	Grease deposition (FOG)	
5F	City Of Bakersfield CS	778379	Certified	Category 2	117 Irene Street	Kern	No	Yes	50	0	03/03/12	Root intrusion	
5S	Sacramento Area Sewer District CS	779553	Certified	Category 2		45247	Sacramento	No	No	50	0	03/08/12	Other (specify below)
5S	Sacramento Area Sewer District CS	779555	Certified	Category 2		45326	Sacramento	No	No	50	0	03/08/12	Debris-General
5S	City Of Jackson CS	778574	Certified	Category 2	419 McGee	Amador	No	No	50	0	03/09/12	Debris-Rags	
5F	Sutter Creek CS	780054	Certified	Category 1	Manhole #25 at South end of Footbridge near 71 Church	Amador	Yes	No	50	50	04/12/12	Other (specify below)	
5S	City of Sacramento Utilities CS	778956	Certified	Category 2	5306 GILGUNN WAY	Sacramento	No	Yes	48	0	03/21/12	Grease deposition (FOG)	
5S	City of Sacramento Utilities CS	778331	Certified	Category 2	4691 CABANA WAY	Sacramento	No	Yes	47	0	03/04/12	Root intrusion	
5S	City of Sacramento Utilities CS	779144	Certified	Category 2	2682 GARY WAY	Sacramento	No	Yes	45	0	03/24/12	Grease deposition (FOG)	
5F	City Of Bakersfield CS	778435	Certified	Category 2	11016 Iron Creek Avenue	Kern	No	Yes	40	0	03/02/12	Other (specify below)	
5S	Pacific Gardens Sanitary District CS	780774	Certified	Category 2	Riser on Marine for 3302 Margaret	San Joaquin	No	No	40	0	03/03/12	Root intrusion	
5S	Sacramento Area Sewer District CS	779546	Certified	Category 2		44922	Sacramento	No	Yes	40	0	03/05/12	Root intrusion
5S	Manteca CS	780719	Certified	Category 2	Springcreek	San Joaquin	No	Yes	38	0	03/16/12	Debris-General	
5S	City of Sacramento Utilities CS	778330	Certified	Category 2	2152 EDISON AVE	Sacramento	No	Yes	37	0	03/02/12	Root intrusion	
5S	Sacramento Area Sewer District CS	780295	Certified	Category 2		46456	Sacramento	No	No	35	0	03/27/12	Grease deposition (FOG)
5S	Dry Creek CS	780062	Certified	Category 2	401 Vernon St	Placer	No	No	32	0	04/11/12	Root intrusion	
5S	City of Woodland CS	778820	Certified	Category 2	128 Sutter Street	Yolo	No	No	30	0	03/02/12	Debris-Rags	
5S	City Of Jackson CS	778589	Certified	Category 2	Behind 714 Elizabeth St	Amador	No	No	30	0	03/11/12	Root intrusion	
5S	Sacramento Area Sewer District CS	780691	Certified	Category 2		45958	Sacramento	No	No	30	0	03/14/12	Operator error
5S	City of Sacramento Combined CS	778895	Certified	Category 2	411 NO. 18TH ST	Sacramento	No	No	30	0	03/20/12	Grease deposition (FOG)	
5S	City Of Auburn CS	779518	Certified	Category 2	302 Aeolia Dr SSO	Placer	No	No	30	0	03/23/12	Pipe structural problem/failure	

Category 1 All discharges of sewage resulting from a failure in an individual's sanitary sewer system that:

- A. Equal or exceed 1000 gallons, or
- B. Result in a discharge to a drainage channel and/or surface water, or
- C. Discharge to storm drainages that was not fully captured and returned to the sanitary sewer system.

Category 2 All discharges of sewage resulting from a failure in an individual's sanitary sewer system not meeting the definition of Category 1.



Region	Collection System	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Spill Reached Surface Waters	Spill Reached Storm Drain System	Total Spill Volume (gal)	Spill Volume that Reached Surface Waters (gal)	Start Date	Spill Cause	
5S	Sacramento Area Sewer District CS	779818	Certified	Category 2		46246	Sacramento	No	Yes	30	0	03/23/12	Debris-General
5S	Lincoln Village Maintenance District CS	780767	Certified	Category 2	Lamp hole on Belmont	San Joaquin	No	No	30	0	03/24/12	Root intrusion	
5S	Sacramento Area Sewer District CS	780614	Certified	Category 2		46295	Sacramento	No	No	30	0	03/26/12	Root intrusion
5S	Sacramento Area Sewer District CS	780293	Certified	Category 2		46424	Sacramento	No	No	30	0	03/27/12	Root intrusion
5S	Sacramento Area Sewer District CS	780143	Certified	Category 2		46731	Sacramento	No	No	30	0	03/30/12	Grease deposition (FOG)
5S	Sacramento Area Sewer District CS	780897	Certified	Category 2		47444	Sacramento	No	No	30	0	04/11/12	Root intrusion
5S	White Slough Water Poll Con Pu CS	780116	Certified	Category 2	M1835-manhole	San Joaquin	No	No	26	0	04/01/12	Grease deposition (FOG)	
5S	Manteca CS	780723	Certified	Category 2	luu,s chicken bowl	San Joaquin	No	No	25	0	03/02/12	Pipe structural problem/failure	
5S	Ue Davis CS	778559	Certified	Category 2	Clean-out between Art Annex and Ground Division	Yolo	No	No	25	0	03/09/12	Root intrusion	
5S	City Of Folsom Utilities Dept CS	780591	Certified	Category 2	1696 Schillers Ct	Sacramento	No	Yes	25	0	04/23/12	Pipe structural problem/failure	
5S	Sacramento Area Sewer District CS	779812	Certified	Category 2		46132	Sacramento	No	No	22	0	03/21/12	Debris-General
5R	Burney CS	779365	Certified	Category 2	Manhole at back of red school	Shasta	No	No	22	0	04/01/12	Debris-Rags	
5S	Sacramento Area Sewer District CS	780224	Certified	Category 2		45898	Sacramento	No	No	21	0	03/18/12	Debris-General
5S	Sacramento Area Sewer District CS	779766	Certified	Category 2		44750	Sacramento	No	No	20	0	03/01/12	Root intrusion
5S	Sacramento Area Sewer District CS	779755	Certified	Category 2		44804	Sacramento	No	No	20	0	03/02/12	Root intrusion
5S	Sacramento Area Sewer District CS	779559	Certified	Category 2		45396	Sacramento	No	No	20	0	03/09/12	Root intrusion
5S	Sacramento Area Sewer District CS	779574	Certified	Category 2		45411	Sacramento	No	No	20	0	03/10/12	Root intrusion
5S	Sacramento Area Sewer District CS	780216	Certified	Category 2		45628	Sacramento	No	No	20	0	03/13/12	Debris-General
5S	City Of Auburn CS	778948	Certified	Category 2	279 Andrews St	Placer	No	No	20	0	03/17/12	Root intrusion	
5S	Sacramento Area Sewer District CS	779813	Certified	Category 2		46136	Sacramento	No	No	20	0	03/21/12	Root intrusion
5S	Sacramento Area Sewer District CS	780303	Certified	Category 2		46546	Sacramento	No	No	20	0	03/22/12	Root intrusion
5R	Mt Shasta CS	779299	Certified	Category 2	West Alma Street at Sisson School	Siskiyou	No	No	20	0	03/23/12	Debris-General	
5S	Sacramento Area Sewer District CS	780290	Certified	Category 2		46269	Sacramento	No	No	20	0	03/25/12	Root intrusion
5S	Sacramento Area Sewer District CS	780545	Certified	Category 2		46293	Sacramento	No	No	20	0	03/25/12	Root intrusion
5R	Burney CS	779242	Certified	Category 2	Main lift station	Shasta	No	No	20	0	03/28/12	Other (specify below)	
5F	Tuolumne Utilities District CS	779476	Certified	Category 2	clean out in front yard	Tuolumne	No	No	20	0	04/01/12	Root intrusion	
5S	Sacramento Area Sewer District CS	779762	Certified	Category 2		44876	Sacramento	No	No	18	0	03/04/12	Root intrusion
5S	Dry Creek CS	779113	Certified	Category 2	406 Clinton Ave	Placer	No	No	15	0	03/04/12	Pipe structural problem/failure	
5S	California State Prison, Sacramento CS	778503	Certified	Category 2	California State prison Sacto. C-Facility 2 Dining	Sacramento	No	No	15	0	03/08/12	Debris-Rags	
5S	Sacramento Area Sewer District CS	779554	Certified	Category 2		45294	Sacramento	No	No	15	0	03/08/12	Root intrusion
5S	Sacramento Area Sewer District CS	779564	Certified	Category 2		45408	Sacramento	No	No	15	0	03/10/12	Root intrusion
5S	Sacramento Area Sewer District CS	779566	Certified	Category 2		45424	Sacramento	No	No	15	0	03/11/12	Root intrusion
5S	Colonial Heights Maintenance District CS	780762	Certified	Category 2	Lamp hole on San Diego	San Joaquin	No	No	15	0	03/24/12	Root intrusion	
5S	Modesto CS	779682	Certified	Category 2	1300 K Street	Stanislaus	No	No	15	0	04/03/12	Grease deposition (FOG)	
5S	City Of Folsom Utilities Dept CS	779756	Certified	Category 2	102 Randall Ct	Sacramento	No	Yes	15	0	04/04/12	Pipe structural problem/failure	
5S	City of Sacramento Utilities CS	779111	Certified	Category 2	4695 FRANCIS CT	Sacramento	No	Yes	14	0	03/22/12	Root intrusion	
5S	City of Sacramento Utilities CS	779215	Certified	Category 2	4661 LARSON WAY	Sacramento	No	No	14	0	03/28/12	Grease deposition (FOG)	
5S	Dry Creek CS	779901	Certified	Category 2	221 Ash St	Placer	No	No	14	0	04/09/12	Other (specify below)	
5S	Sacramento Area Sewer District CS	780413	Certified	Category 2		46064	Sacramento	No	No	12	0	03/18/12	Other (specify below)
5S	Sacramento Area Sewer District CS	779815	Certified	Category 2		46200	Sacramento	No	No	12	0	03/22/12	Root intrusion
5S	Hangtown Creek CS	778631	Certified	Category 2	2895 Acacia Way	El Dorado	No	No	10	0	03/07/12	Root intrusion	
5S	Sacramento Area Sewer District CS	779552	Certified	Category 2		45222	Sacramento	No	No	10	0	03/07/12	Root intrusion
5S	Sacramento Area Sewer District CS	779770	Certified	Category 2		45145	Sacramento	No	Yes	10	0	03/07/12	Root intrusion
5S	Sacramento Area Sewer District CS	779557	Certified	Category 2		45383	Sacramento	No	No	10	0	03/09/12	Root intrusion
5S	Sacramento Area Sewer District CS	779567	Certified	Category 2		45425	Sacramento	No	No	10	0	03/11/12	Root intrusion
5S	Sacramento Area Sewer District CS	779568	Certified	Category 2		45427	Sacramento	No	No	10	0	03/11/12	Root intrusion
5S	Sacramento Area Sewer District CS	779570	Certified	Category 2		45429	Sacramento	No	No	10	0	03/11/12	Root intrusion
5S	City Of Auburn CS	778946	Certified	Category 2	275 Grass Valley HWY	Placer	No	No	10	0	03/14/12	Root intrusion	
5S	Sacramento Area Sewer District CS	779591	Certified	Category 2		45866	Sacramento	No	No	10	0	03/16/12	Debris-General
5S	Sacramento Area Sewer District CS	780222	Certified	Category 2		45889	Sacramento	No	No	10	0	03/17/12	Debris-General
5S	Sacramento Area Sewer District CS	780280	Certified	Category 2		45934	Sacramento	No	No	10	0	03/18/12	Root intrusion
5S	Sacramento Area Sewer District CS	780611	Certified	Category 2		45964	Sacramento	No	No	10	0	03/19/12	Root intrusion
5F	City Of Bakersfield CS	778871	Certified	Category 2	GET Bus Station Alley	Kern	No	Yes	10	0	03/20/12	Other (specify below)	
5S	Sacramento Area Sewer District CS	779814	Certified	Category 2		46156	Sacramento	No	No	10	0	03/22/12	Root intrusion
5S	Sacramento Area Sewer District CS	780287	Certified	Category 2		46242	Sacramento	No	No	10	0	03/23/12	Grease deposition (FOG)
5S	Sacramento Area Sewer District CS	779826	Certified	Category 2		46291	Sacramento	No	No	10	0	03/24/12	Debris-General
5S	City Of Live Oak CS	779155	Certified	Category 2	3091 Pennington	Sutter	No	No	10	0	03/26/12	Debris-General	
5S	Sacramento Area Sewer District CS	780291	Certified	Category 2		46378	Sacramento	No	No	10	0	03/27/12	Root intrusion
5S	Manteca CS	780717	Certified	Category 2	Moffatt	San Joaquin	No	No	10	0	03/30/12	Debris-General	
5S	Ceres CS	779415	Certified	Category 2	1321 Rockefeller Drive	Stanislaus	No	No	10	0	04/02/12	Debris-Rags	
5S	Sacramento Area Sewer District CS	780887	Certified	Category 2		46813	Sacramento	No	No	10	0	04/03/12	Root intrusion
5S	Riverbank CS	780872	Certified	Category 2	6212 - 8th Street	Stanislaus	No	No	10	0	04/09/12	Debris-General	
5F	City Of Bakersfield CS	780196	Certified	Category 2	1000 9th St.	Kern	No	Yes	10	0	04/12/12	Grease deposition (FOG)	
5S	Sacramento Area Sewer District CS	780961	Certified	Category 2		47735	Sacramento	No	No	10	0	04/18/12	Root intrusion
5S	Dry Creek CS	780816	Certified	Category 2	936 Parry Street	Placer	No	No	10	0	04/19/12	Root intrusion	
5S	City of Sacramento Utilities CS	778957	Certified	Category 2	4108 MCKINLEY BLVD	Sacramento	No	No	8	0	03/22/12	Root intrusion	
5S	Sacramento Area Sewer District CS	780850	Certified	Category 2		46714	Sacramento	No	No	8	0	04/02/12	Debris-General
5S	Sacramento Area Sewer District CS	779819	Certified	Category 2		46247	Sacramento	No	No	7	0	03/22/12	Root intrusion
5S	Dry Creek CS	779116	Certified	Category 2	417 Pleasant Street	Placer	No	No	6	0	03/10/12	Pipe structural problem/failure	
5S	Sacramento Area Sewer District CS	780285	Certified	Category 2		46235	Sacramento	No	No	6	0	03/23/12	Root intrusion
5S	City Of Antioch CS	779489	Certified	Category 2	14 Texas St	Contra Costa	No	No	5	0	03/01/12	Root intrusion	
5S	Sacramento Area Sewer District CS	779543	Certified	Category 2		44763	Sacramento	No	No	5	0	03/02/12	Root intrusion
5S	City Of Antioch CS	779494	Certified	Category 2	405 West 5th St	Contra Costa	No	No	5	0	03/04/12	Root intrusion	
5S	Sacramento Area Sewer District CS	780211	Certified	Category 2		44946	Sacramento	No	No	5	0	03/04/12	Root intrusion
5S	Sacramento Area Sewer District CS	779547	Certified	Category 2		44959	Sacramento	No	No	5	0	03/05/12	Root intrusion
5S	Sacramento Area Sewer District CS	780412	Certified	Category 2		45231	Sacramento	No	No	5	0	03/07/12	Root intrusion
5S	Sacramento Area Sewer District CS	779556	Certified	Category 2		45328	Sacramento	No	No	5	0	03/08/12	Root intrusion
5S	Sacramento Area Sewer District CS	779560	Certified	Category 2		45401	Sacramento	No	No	5	0	03/10/12	Root intrusion
5S	Sacramento Area Sewer District CS	779563	Certified	Category 2		45407	Sacramento	No	No	5	0	03/10/12	Debris-General
5S	Sacramento Area Sewer District CS	779776	Certified	Category 2		45426	Sacramento	No	No	5	0	03/11/12	Root intrusion

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- A. Equal or exceed 1000 gallons, or
- B. Result in discharges to a drainage channel and/or surface water, or
- C. Discharge to storm drains that was not fully captured and returned to the sanitary sewer system.

Category 2 All discharges of sewage resulting from a failure in an individual's sanitary sewer system not meeting the definition of Category 1.

Region	Collection System	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Spill Reached Surface Waters	Spill Reached Storm Drain System	Total Spill Volume (gal)	Spill Volume that Reached Surface Waters (gal)	Start Date	Spill Cause	
5S	Sacramento Area Sewer District CS	779775	Certified	Category 2		45535	Sacramento	No	No	5	0	03/12/12	Root intrusion
5S	Sacramento Area Sewer District CS	780281	Certified	Category 2		45956	Sacramento	No	No	5	0	03/12/12	Other (specify below)
5S	Sacramento Area Sewer District CS	779573	Certified	Category 2		45658	Sacramento	No	No	5	0	03/13/12	Debris-General
5S	Sacramento Area Sewer District CS	779586	Certified	Category 2		45779	Sacramento	No	No	5	0	03/15/12	Root intrusion
5S	Sacramento Area Sewer District CS	780223	Certified	Category 2		45895	Sacramento	No	No	5	0	03/17/12	Root intrusion
5S	Sacramento Area Sewer District CS	779592	Certified	Category 2		45920	Sacramento	No	No	5	0	03/18/12	Root intrusion
5S	Sacramento Area Sewer District CS	779594	Certified	Category 2		45931	Sacramento	No	No	5	0	03/19/12	Root intrusion
5S	Yuba City CS	778952	Certified	Category 2	YC-002-12		Sutter	No	Yes	5	0	03/19/12	Other (specify below)
5S	Sacramento Area Sewer District CS	779597	Certified	Category 2		45989	Sacramento	No	No	5	0	03/20/12	Root intrusion
5S	Sacramento Area Sewer District CS	779787	Certified	Category 2		46109	Sacramento	No	No	5	0	03/21/12	Root intrusion
5S	Tracy CS	779863	Certified	Category 2	Audrey DR		San Joaquin	No	No	5	0	03/21/12	Grease deposition (FOG)
5S	Sacramento Area Sewer District CS	779816	Certified	Category 2		46215	Sacramento	No	No	5	0	03/23/12	Root intrusion
5S	City Of Antioch CS	779497	Certified	Category 2	1801 Johnson Dr		Contra Costa	No	No	5	0	03/26/12	Debris-General
5S	Sacramento Area Sewer District CS	780300	Certified	Category 2		46511	Sacramento	No	No	5	0	03/28/12	Root intrusion
5S	Sacramento Area Sewer District CS	780842	Certified	Category 2		46668	Sacramento	No	No	5	0	04/01/12	Root intrusion
5S	Sacramento Area Sewer District CS	780895	Certified	Category 2		47286	Sacramento	No	No	5	0	04/11/12	Root intrusion
5S	Sacramento Area Sewer District CS	780896	Certified	Category 2		47412	Sacramento	No	No	5	0	04/12/12	Root intrusion
5S	Dry Creek CS	780814	Certified	Category 2	2017 Katherine Place		Placer	No	No	5	0	04/18/12	Root intrusion
5F	Arvin CS	780470	Certified	Category 2	Feleclta Rd		Kern	No	No	5	0	04/20/12	Other (specify below)
5S	Sacramento Area Sewer District CS	779795	Certified	Category 2		44998	Sacramento	No	No	4	0	03/06/12	Root intrusion
5S	Sacramento Area Sewer District CS	779551	Certified	Category 2		45168	Sacramento	No	No	4	0	03/07/12	Root intrusion
5S	Sacramento Area Sewer District CS	780213	Certified	Category 2		45466	Sacramento	No	No	4	0	03/12/12	Other (specify below)
5S	Sacramento Area Sewer District CS	779784	Certified	Category 2		45940	Sacramento	No	No	4	0	03/19/12	Root intrusion
5S	Sacramento Area Sewer District CS	780284	Certified	Category 2		46130	Sacramento	No	No	4	0	03/20/12	Root intrusion
5S	Sacramento Area Sewer District CS	779810	Certified	Category 2		46122	Sacramento	No	No	4	0	03/21/12	Root intrusion
5S	Sacramento Area Sewer District CS	780289	Certified	Category 2		46259	Sacramento	No	Yes	4	0	03/24/12	Root intrusion
5S	Sacramento Area Sewer District CS	780302	Certified	Category 2		46530	Sacramento	No	No	4	0	03/29/12	Root intrusion
5S	Sacramento Area Sewer District CS	780890	Certified	Category 2		46902	Sacramento	No	No	4	0	04/05/12	Other (specify below)
5S	Clearlake Oaks Co Wtr Dis CS	780448	Certified	Category 2	12580 E Hwy 20, Clearlake Oaks, CA 95423		Lake	No	Yes	4	0	04/16/12	Debris-General
5S	Sacramento Area Sewer District CS	779678	Certified	Category 2		44862	Sacramento	No	No	3	0	03/03/12	Root intrusion
5S	Sacramento Area Sewer District CS	779558	Certified	Category 2		45391	Sacramento	No	No	3	0	03/09/12	Root intrusion
5S	Sacramento Area Sewer District CS	779774	Certified	Category 2		45410	Sacramento	No	No	3	0	03/10/12	Root intrusion
5S	Sacramento Area Sewer District CS	779565	Certified	Category 2		45419	Sacramento	No	No	3	0	03/11/12	Root intrusion
5S	Sacramento Area Sewer District CS	779584	Certified	Category 2		45741	Sacramento	No	No	3	0	03/13/12	Root intrusion
5S	Sacramento Area Sewer District CS	779811	Certified	Category 2		46126	Sacramento	No	No	3	0	03/21/12	Root intrusion
5S	Sacramento Area Sewer District CS	780283	Certified	Category 2		46099	Sacramento	No	No	3	0	03/21/12	Root intrusion
5S	Sacramento Area Sewer District CS	780613	Certified	Category 2		46230	Sacramento	No	No	3	0	03/23/12	Root intrusion
5S	Sacramento Area Sewer District CS	780416	Certified	Category 2		46263	Sacramento	No	No	3	0	03/24/12	Root intrusion
5S	Sacramento Area Sewer District CS	780294	Certified	Category 2		46440	Sacramento	No	No	3	0	03/27/12	Root intrusion
5S	Sacramento Area Sewer District CS	780297	Certified	Category 2		46480	Sacramento	No	No	3	0	03/28/12	Root intrusion
5S	Sacramento Area Sewer District CS	780305	Certified	Category 2		46804	Sacramento	No	No	3	0	03/30/12	Root intrusion
5S	Sacramento Area Sewer District CS	780409	Certified	Category 2		46641	Sacramento	No	No	3	0	03/30/12	Pipe structural problem/failure
5S	Sacramento Area Sewer District CS	780615	Certified	Category 2		46612	Sacramento	No	No	3	0	03/30/12	Root intrusion
5S	Sacramento Area Sewer District CS	780888	Certified	Category 2		46875	Sacramento	No	No	3	0	04/04/12	Debris-General
5S	Sacramento Area Sewer District CS	780891	Certified	Category 2		46928	Sacramento	No	No	3	0	04/05/12	Root intrusion
5S	Sacramento Area Sewer District CS	780893	Certified	Category 2		47074	Sacramento	No	No	3	0	04/09/12	Root intrusion
5S	Sacramento Area Sewer District CS	779544	Certified	Category 2		44851	Sacramento	No	No	2	0	03/02/12	Other (specify below)
5S	Sacramento Area Sewer District CS	780701	Certified	Category 2		44848	Sacramento	No	No	2	0	03/02/12	Debris-General
5S	Sacramento Area Sewer District CS	779548	Certified	Category 2		44962	Sacramento	No	No	2	0	03/05/12	Root intrusion
5S	Sacramento Area Sewer District CS	779549	Certified	Category 2		44983	Sacramento	No	No	2	0	03/05/12	Root intrusion
5S	Sacramento Area Sewer District CS	779765	Certified	Category 2		44991	Sacramento	No	No	2	0	03/05/12	Root intrusion
5S	Sacramento Area Sewer District CS	779769	Certified	Category 2		45144	Sacramento	No	No	2	0	03/06/12	Root intrusion
5S	Manteca CS	780714	Certified	Category 2	Trinity		San Joaquin	No	No	2	0	03/07/12	Debris-General
5S	Manteca CS	780720	Certified	Category 2	Michigan		San Joaquin	No	No	2	0	03/09/12	Root intrusion
5S	City Of Antioch CS	779491	Certified	Category 2	405 West 5th St		Contra Costa	No	No	2	0	03/10/12	Root intrusion
5S	Sacramento Area Sewer District CS	779571	Certified	Category 2		45526	Sacramento	No	No	2	0	03/12/12	Pipe structural problem/failure
5S	Sacramento Area Sewer District CS	780215	Certified	Category 2		45509	Sacramento	No	No	2	0	03/12/12	Root intrusion
5S	Sacramento Area Sewer District CS	779572	Certified	Category 2		45656	Sacramento	No	No	2	0	03/13/12	Root intrusion
5S	Sacramento Area Sewer District CS	779579	Certified	Category 2		45733	Sacramento	No	No	2	0	03/14/12	Root intrusion
5S	Sacramento Area Sewer District CS	779580	Certified	Category 2		45739	Sacramento	No	No	2	0	03/14/12	Root intrusion
5S	Sacramento Area Sewer District CS	779582	Certified	Category 2		45740	Sacramento	No	No	2	0	03/14/12	Root intrusion
5S	Sacramento Area Sewer District CS	779781	Certified	Category 2		45878	Sacramento	No	No	2	0	03/16/12	Root intrusion
5S	Sacramento Area Sewer District CS	779595	Certified	Category 2		45960	Sacramento	No	No	2	0	03/19/12	Root intrusion
5S	Sacramento Area Sewer District CS	779785	Certified	Category 2		45952	Sacramento	No	No	2	0	03/19/12	Operator error
5S	Sacramento Area Sewer District CS	779789	Certified	Category 2		46112	Sacramento	No	No	2	0	03/21/12	Root intrusion
5S	Sacramento Area Sewer District CS	779599	Certified	Category 2		46249	Sacramento	No	No	2	0	03/23/12	Root intrusion
5S	Sacramento Area Sewer District CS	779820	Certified	Category 2		46255	Sacramento	No	Yes	2	0	03/23/12	Grease deposition (FOG)
5S	Sacramento Area Sewer District CS	779821	Certified	Category 2		46256	Sacramento	No	No	2	0	03/23/12	Root intrusion
5S	Sacramento Area Sewer District CS	779822	Certified	Category 2		46257	Sacramento	No	No	2	0	03/24/12	Root intrusion
5S	Sacramento Area Sewer District CS	780406	Certified	Category 2		46261	Sacramento	No	No	2	0	03/24/12	Root intrusion
5S	Sacramento Area Sewer District CS	779827	Certified	Category 2		46298	Sacramento	No	No	2	0	03/26/12	Root intrusion
5S	Dry Creek CS	779159	Certified	Category 2	335 Pleasant Street		Placer	No	No	2	0	03/27/12	Root intrusion
5S	Dry Creek CS	779160	Certified	Category 2	335 Pleasant Street		Placer	No	No	2	0	03/27/12	Root intrusion
5S	Sacramento Area Sewer District CS	780052	Certified	Category 2		46701	Sacramento	No	No	2	0	03/30/12	Root intrusion
5S	Sacramento Area Sewer District CS	780889	Certified	Category 2		46880	Sacramento	No	No	2	0	04/04/12	Root intrusion
5S	Sacramento Area Sewer District CS	780892	Certified	Category 2		47067	Sacramento	No	No	2	0	04/08/12	Root intrusion
5S	Sacramento Area Sewer District CS	779545	Certified	Category 2		44857	Sacramento	No	No	1	0	03/03/12	Root intrusion
5S	Sacramento Area Sewer District CS	779757	Certified	Category 2		44865	Sacramento	No	No	1	0	03/03/12	Other (specify below)
5S	Sacramento Area Sewer District CS	779759	Certified	Category 2		44868	Sacramento	No	No	1	0	03/04/12	Debris-General
5S	Sacramento Area Sewer District CS	779761	Certified	Category 2		44872	Sacramento	No	No	1	0	03/04/12	Root intrusion

Category 1 All discharges of sewage resulting from a failure in an individual's sanitary sewer system that:

- A. Equal or exceed 1000 gallons, or
- B. Result in a discharge to a drainage channel and/or surface water, or
- C. Discharge to storm drains that was not fully captured and returned to the sanitary sewer system.

Category 2 All discharges of sewage resulting from a failure in an individual's sanitary sewer system not meeting the definition of Category 1.

Region	Collection System	Spill ID	Certification Status	Spill Type	Spill Location Name	County	Spill Reached Surface Waters	Spill Reached Storm Drain System	Total Spill Volume (gal)	Spill Volume that Reached Surface Waters (gal)	Start Date	Spill Cause
5S	Sacramento Area Sewer District CS	779764	Certified	Category 2		44878 Sacramento	No	No	1	0	03/04/12	Root intrusion
5S	Dry Creek CS	779110	Certified	Category 2	1326 Chignahuapan Way	Placer	No	No	1	0	03/05/12	Debris-General
5S	Sacramento Area Sewer District CS	779796	Certified	Category 2		45161 Sacramento	No	No	1	0	03/06/12	Root intrusion
5S	Sacramento Area Sewer District CS	779772	Certified	Category 2		45174 Sacramento	No	No	1	0	03/07/12	Root intrusion
5S	Manteca CS	780721	Certified	Category 2	wawona	San Joaquin	No	Yes	1	0	03/08/12	Debris-General
5S	Sacramento Area Sewer District CS	779773	Certified	Category 2		45381 Sacramento	No	No	1	0	03/09/12	Root intrusion
5S	Sacramento Area Sewer District CS	779562	Certified	Category 2		45402 Sacramento	No	No	1	0	03/10/12	Root intrusion
5S	Sacramento Area Sewer District CS	780214	Certified	Category 2		45471 Sacramento	No	No	1	0	03/12/12	Debris-General
5S	Sacramento Area Sewer District CS	779578	Certified	Category 2		45732 Sacramento	No	No	1	0	03/14/12	Root intrusion
5S	Sacramento Area Sewer District CS	779782	Certified	Category 2		45910 Sacramento	No	No	1	0	03/19/12	Root intrusion
5S	Clear Lake State Park CS	779851	Certified	Category 2	Clear Lake State Park Maintenance Yard	Lake	No	No	1	0	03/22/12	Grease deposition (FOG)
5S	Sacramento Area Sewer District CS	779598	Certified	Category 2		46248 Sacramento	No	No	1	0	03/23/12	Root intrusion
5S	Sacramento Area Sewer District CS	779823	Certified	Category 2		46268 Sacramento	No	No	1	0	03/25/12	Root intrusion
5S	Sacramento Area Sewer District CS	780407	Certified	Category 2		46270 Sacramento	No	No	1	0	03/25/12	Root intrusion
5S	Sacramento Area Sewer District CS	780616	Certified	Category 2		46627 Sacramento	No	No	1	0	03/30/12	Root intrusion
5S	Sacramento Area Sewer District CS	780410	Certified	Category 2		46652 Sacramento	No	No	1	0	03/31/12	Root intrusion
5S	Sacramento Area Sewer District CS	780870	Certified	Category 2		46721 Sacramento	No	No	1	0	04/02/12	Operator error
5S	Sacramento Area Sewer District CS	780886	Certified	Category 2		46806 Sacramento	No	No	1	0	04/03/12	Debris-General

Category 1 All discharges of sewage resulting from a failure in an Dredge's sanitary sewer system that:  
 A. Equal or exceed 1000 gallons, or  
 B. Result in a discharge to a drainage channel and/or surface water, or  
 C. Discharge to a storm drain that was not fully captured and returned to the sanitary sewer system.

Category 2 All discharges of sewage resulting from a failure in an Dredge's sanitary sewer system not meeting the definition of Category 1.

## **FUTURE BOARD ACTIVITIES**

The following are significant Board meeting actions anticipated for the next two 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.

### **August 2012 Board Meeting**

- Sacramento County Kiefer Landfill GW Treatment System (NPDES Permit Renewal)
- DFG San Joaquin River Fish Hatchery (NPDES Rescission, New GO Coverage)
- DFG Merced River Fish Hatchery (NPDES Rescission, New GO Coverage)
- Calaveras Trout Farm (NPDES Rescission, New GO Coverage)
- The Garlic Company (New WDRS)
- City of Delhi WWTF (WDR Revision)
- Sun-Maid Growers Kingsburg Plant (WDR Revision)
- O'Neill Vitners Reedley Winery (WDR Revision)
- Sutter Home Winery (Amended WDRs)
- Darling International Rendering Plant (Revised WDRs)
- Mountain House CSD (TSO Extension)
- General Order for Limited Threat NPDES Discharges (Amendment)
- Maxwell Public Utility District (NPDES Permit Rescission)
- City of Alturas WWTP (NPDES Permit Renewal)
- Panoche Energy LLC (New WDR)
- The Garlic Company (New WDR)
- Golden State Vintners (WDR Revision)
- Forward Landfill (Update WDRs)
- Aqua Clear Farms (Update WDRs)
- L and D Landfill (update WDRs)
- Woodville Landfill (update WDRs)

### **Pending actions, but not yet scheduled for a Board meeting**

#### **NPDES PERMITS**

- Bakersfield Municipal Separate Storm Water Permit (Permit Renewal)
- Berry Petroleum, Poso Creek Facility (Permit Renewal/Permit Revision based on Remand)
- City of Fresno Municipal Separate Storm Water Permit (Permit Renewal)
- City of Tracy WWTP (Permit Renewal)
- Mining Remedial Recovery Company, Mammoth Mine (Permit Renewal)
- Soper Company, Spanish Mine (Permit Revision)
- Tuolumne UD (Permit Revision based on Remand)
- City of Modesto (MS4 NPDES Permit - Development Standards Approval)
- Cities of Citrus Heights, Elk Grove, Folsom, Galt, Rancho Cordova, Sacramento, and County of Sacramento (MS4 NPDES Permit - Approval of the Hydromodification Plan)
- Yosemite Natl. Park, Wawona WWTF (Permit Renewal)
- Mountain House CSD (Renewal)
- Southern California Edison, Balsam Meadow (Permit Renewal)
- City of Lodi White Slough Water Pollution Control Facility (Renewal)
- Meridian Beartrack Co, Royal Mountain King Mine (Renewal)
- CDCR Sierra Conservation Center Water Treatment Plant (Renewal)
- Sterling Caviar Elverta Facility (Renewal)
- Cutler-Orosi WWTF (Permit Renewal)
- EID, El Dorado Hills (NPDES Permit Renewal)
- Placer County SMD3 (NPDES Permit Renewal)
- City of Colfax (NPDES Permit Renewal)
- City of Yuba City (NPDES Permit Renewal)
- City of Davis (NPDES Permit Renewal)
- City of Jackson (NPDES Permit Renewal)

- CalMat Co., Sanger Sand and Gravel Plant (Permit renewal)
- Bell Carter – Plant 1 (potential NPDES rescission)
- Burney Forest Products (NPDES Permit Renewal)
- City of Redding, Stillwater WWTP (NPDES Permit Renewal)
- North Yuba-Forbestown WTP (NPDES Permit Renewal)
- I'SOT Geothermal (NPDES Permit Renewal)
- Mineral WWTP (NPDES Permit Renewal)
- Sierra Pacific Industries, Burney Division Sawmill (NPDES Permit Renewal)

### **WDRs**

- Ironhouse SD WWTF (WDR revision)
- Villa Toscano Winery (New WDR)
- City of Newman WWTF (WDR revision)
- City of Lathrop Crossroads WWTF (WDR Revision)
- E&J Gallo Fresno Winery (WDR Revision)
- O'Neill Vitners, Reedley (WDR Revision)
- City of Tulare (WDR Revision)
- Quady Winery (New WDR)
- The Wine Group, Franzia Tulare ((WDR Revision)
- SunneyGem Juice Processor (New WDR)
- Olson Meat Company (New WDR)

### **Land Discharge Waste Discharge Requirements**

- ASV Winery, Kern Co. (WDR Revision)
- A&P Growers COOP (New WDRs)
- Baker Commodities Kerman Division (WDR Revision)
- City of Delhi WWTF (WDR Revision)
- City of Mendota WWTF (WDR Revision)
- City of Newman WWTF (WDR Revision)
- Delicato Winery (WDR Revision)
- EJ Gallo Winery, Fresno (WDR Revision)
- Grasslands Bypass Project (WDR Revision)
- Irrigated Lands General Order for Dischargers in Coalition – East-side Lower San Joaquin (New)
- Irrigated Lands General Order for Dischargers in Coalition – Rice Growers in the Sacramento River Watershed (New)
- Irrigated Lands General Order for Dischargers in Coalition – Sacramento River Watershed (New)
- Irrigated Lands General Order for Dischargers in Coalition – San Joaquin County and Delta (New)
- Irrigated Lands General Order for Dischargers in Coalition – Tulare Lake Basin (New)
- Irrigated Lands General Order for Dischargers in Coalition – West-side Lower San Joaquin Watershed (New)
- Irrigated Lands General Order for Dischargers in Coalition – Westlands Water District (New)
- Irrigated Lands- General Order for Individually Regulated Dischargers (New)
- Lemoore WWTF (WDRs Update)
- Leprino Foods Company (WDR Revision)
- Paramount Farms Kings Facility (WDR Revision)
- POM Wonderful Fruit Processing Plant (WDR Revision)
- Quady Winery, Inc. (WDR Revision)
- Sunny GEM LLC, Buena Vista Juice (WDR Revision)
- SWORLCO Land Application Site (WDR Revision)
- City of Tulare WWTF (Update WDRs)
- The Wine Group Franzia Winery Sanger (WDR Revision)
- City of Newman WWTF (Revised WDRs)
- Ironhouse San. District WWTF (Revised WDRs)
- RME, Inc. Woodbridge Winery (Revised WDRs)
- Butte Sand and Gravel (Revised (WDRs)

- Douglas Flat/Vallecito WWTF (Revised WDRs)
- Napa Berryessa Resort Improvement District WWTF (Revised WDRs)
- Amador Water Agency Buckhorn WTP (Revised WDRs)
- City of Lathrop Crossroads WWTF (Revised WDRs)