

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LAHONTAN REGION  
MEETING OF JULY 12-13, 2017  
BISHOP**

<b>ITEM 5</b>
<b>EXECUTIVE OFFICER'S REPORT</b>

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# **ENCLOSURE 1**



**CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
LAHONTAN REGION**

**JUNE 2017 STANDING ITEMS**

The Water Board has requested that it be kept informed of the status of a number of issues. The following table lists the items, the reporting frequency and the dates the items are due.

ISSUE	FREQUENCY	DUE DATE
Lake Tahoe Nearshore	Semi-Annual	July January
Status of Basin Plan Amendments	Annually	August
Status of Grants	Annually	April
Caltrans Statewide General Permit/Tahoe Basin	Annually	September
Tahoe Municipal Permit	Annually	July
County Sanitation Districts of Los Angeles – District. No. 14, Lancaster	Annually	March
County Sanitation Districts of Los Angeles – District No. 20, Palmdale	Annually	September
Status of Dairies	Annual	February
City of Barstow Nitrate/Orphan Perchlorate	Semi-Annual	September March
Pacific Gas & Electric Company	Quarterly	Feb, May, Aug, Nov
Leviathan Mine	Semi-Annual	January, July
Salt & Nutrient Management Plans	Annually	May
Onsite Septic Systems	Semi-Annual	March, September
Grazing Update	Annually	July
Bacteria Water Quality Objectives Project	Semi-Annual	May, November
Quarterly Violations Report	Quarterly	Mar, June (Enc. 6), Sept, Dec



# **ENCLOSURE 2**







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*North Lahontan Region*

**1. Acceptance of Placer County’s Small Construction Storm Water Program, Truckee River Watershed – Dale Payne**

Historically, Placer County and the Water Board have independently permitted small construction projects involving less than one acre of soil disturbance in the Truckee River watershed. In late 2015, Placer County staff asked Water Board staff to work together on developing a Memorandum of Understanding, similar in nature to one the Water Board has with the Town of Truckee, where Placer County would have primary regulatory responsibility for small construction projects. Doing so would simplify/streamline the permitting process for permit applicants, remove duplicative regulatory oversight, and reduce Water Board workload, while still protecting water quality.

Placer County and Water Board staff members soon concluded the more appropriate pathway to meeting these goals was through ensuring that Placer County’s Small Construction Storm Water Program satisfied Phase II Municipal Separate Storm Sewer Systems NPDES Permit (MS4 Permit) requirements for such programs. During 2016 and early 2017, Water Board and Placer County staffs worked together to further develop Placer County’s Small Construction Storm Water Program, so that it satisfied applicable MS4 Permit requirements.

On April 17, 2017, I signed a letter accepting Placer County’s Small Construction Storm Water Program as satisfying applicable MS4 Permit requirements, and informed Placer County, effective immediately, Placer County has primary regulatory responsibility over small construction projects in Placer County portions of the Truckee River watershed. My letter also stated that the Water Board would no longer be regulating such projects, except for projects proposing to discharge waste/fill materials or where there is a disturbance to surface waters, including wetlands, or to 100-year floodplains of the Truckee River or its tributaries. Projects

proposing such impacts must still obtain a Water Board exemption to waste discharge prohibitions, as prescribed by the *Water Quality Control Plan for the Lahontan Region*.

Water Board staff has notified a broad spectrum of Truckee River watershed stakeholders of this change in regulatory oversight by distributing the April 17, 2017 letter through the Water Board's Truckee River Prohibitions Lyrus List. The letter with an explanatory paragraph has also been posted on the Water Board's web site (<http://www.waterboards.ca.gov/lahontan/>).

**2. Caltrans Maintenance Work in Response to Landslides, State Highway 4, Alpine County**  
– Jeff Brooks

Runoff from rain and snow events during the 2016-17 winter mobilized substantial earthen materials via debris flows and landslides from upland areas burned during the 2015 Washington Fire. During April 2017, Water Board and Caltrans District 10 staffs met to inspect and discuss proposed culvert maintenance work on State Highway 4 needed to restore the impacted drainage paths and to prevent additional damage to the highway and surrounding lands, in addition to reducing sediment discharges from ongoing erosion. The proposed work is also necessary to open up State Highway 4 to safe vehicular travel, which is important to the economy of Alpine County.

Much of the proposed culvert maintenance work will take place in or adjacent to the river's floodplain and near or within the channels of several unnamed tributaries. The U.S. Army Corps of Engineers determined that the earthen material discharges associated with such work are subject to regulation under Nationwide Permit 3 (for Maintenance), which requires the Water Board to issue a Clean Water Act Section 401 Water Quality Certification (Water Quality Certification).

Caltrans District 10 filed an application for Water Quality Certification and Water Board staff is quickly completing its application review process to prepare the Certification which will set enforceable conditions that are required to protect water quality during completion of the proposed work. A Water Quality Certification was issued on May 26, 2017 in time for completing the necessary maintenance activities and opening State Highway 4 before the area's busy summer recreation and travel season is fully underway.



Erosion damage from flows bypassing clogged culvert and overflowing over State Highway 4. The East Fork

### **3. Update on South Lake Tahoe Groundwater - Lisa Dernbach**

#### **Status of Wellhead Treatment for Lukins Brothers Wells #2 & #5**

The Lukins Brothers Water Company (LB), a private water purveyor with nearly 1,000 customers on the west side of the City of South Lake Tahoe, continues efforts to acquire funds from the State to implement wellhead treatment for inactive supply LB Well #5. This municipal well and LB Well #2, were turned off in July 2014 by orders of the State when PCE concentrations reached 46 micrograms per liter ( $\mu\text{g/L}$ ), exceeding the drinking water MCL of 5  $\mu\text{g/L}$ . The two supply wells are located in a residential area on 12<sup>th</sup> Street, between Emerald Bay Road and the Tahoe Keys. LB Well #1 is the only active well operating out of the original five municipal wells; LB Wells #3 and #4 were shut down in the 1990s also from PCE contamination.

In 2015, LB completed a feasibility study for evaluating options for replacing water supply at LB Wells #2 and #5. The \$25,000 study considered installing alternate supply wells in other locations versus implementing wellhead treatment. The study recommended wellhead treatment using granular activated carbon (GAC) at LB Well #5 as being the easiest and most economical alternative, since it would not require installing new distribution lines. The study also recommended that LB Well #2 be abandoned or destroyed since it was older and shallower (152 feet in depth), making it potentially subject to additional contamination or structural problems in the future. LB has recently heard from State Water Board staff that it is likely to be awarded the first State Revolving Fund (SRF) loan application amount of \$150,000 for the design and engineering of a GAC filtration system.

#### **Status of Actions for PCE in Tahoe Keys Water Company Supply Wells**

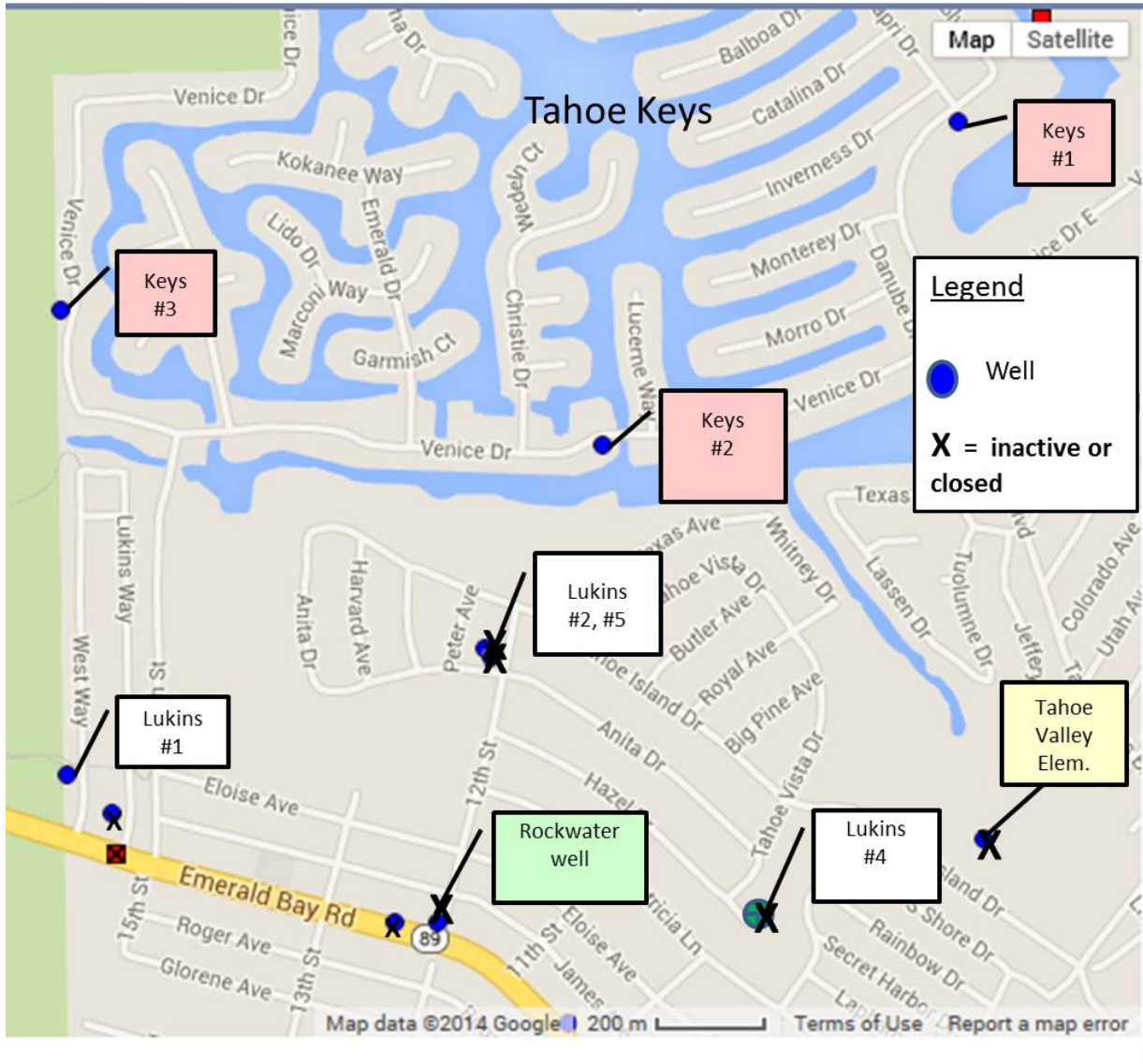
The Tahoe Keys Water Company (TKWC), a municipal water purveyor with 1,530 residential customers, 3 commercial customers, and the U.S. Forest Service facilities at Pope Beach, is also dealing with PCE issues in two of its three supply wells. PCE was first observed in Keys Well #2 in 1985 (Attachment 1 next page). TK Well #2 normally operates from May to September when the population increases. Since 2012, TK Well #2 has been operating with GAC wellhead treatment to remove PCE to below detection limit (0.4  $\mu\text{g/L}$ ). To date, the TKWC has spent almost \$1 million planning, permitting, installing, and operating wellhead treatment at TK Well #2. Following the closure of the LB Wells #2 and #5 in 2014, PCE concentrations increased significantly in TK Well #2, up to 22  $\mu\text{g/L}$  in 2016.

TK Well #1, which normally operates year round and has no wellhead treatment, showed PCE concentrations increasing to 4  $\mu\text{g/L}$  in late 2016. TK Well #2 appears to capture PCE migrating in groundwater when it operates from May to September. When TK Well #2 is off, the PCE plume is pulled into TK Well #1. The PCE plume has not reached TK Well #3 and preliminary groundwater modeling indicates that PCE is unlikely to be a future threat to this well. TK Well #3 is located on the western-most boundary in the Keys, next to U.S. Forest Service property.

TKWC has two primary concerns: (1) PCE in TK Well #1 may exceed the 5  $\mu\text{g/L}$  MCL that would result in closure of the well and (2) PCE in TK Well #2 may eventually reach the 35  $\mu\text{g/L}$  design criteria of the wellhead treatment system. In response to the first concern, TKWC has altered its operation so that TK Well #2 is the lead well and now operates year round to draw the PCE plume away from TK Well #1. During the peak water use period, TK Well #3 will be the lag well and TK Well #1 will only be used if needed during peak period. The downside of this plan is that continuous operation of TK Well #2 will mean higher costs for frequent change out of GAC filters.

The Tahoe Keys Property Homeowners Association (TKPOA) is developing a Facilities Plan to protect the TKWC from PCE between May and the end of August each year. While the scope of work has not been completed at this time, options will likely include: optimizing existing wellhead treatment, expanding wellhead treatment capacity, adding wellhead treatment to unprotected wells, and relocating wells to PCE-free locations. The expected completion of the feasibility evaluation is end of summer 2017.

## Regulated Supply Wells in Tahoe South Y Area



### Status of Grant Application

Also in March, Water Board staff submitted a grant application for \$163,000 to the State Water Board for conducting a supplemental PCE source investigation in South Lake Tahoe. The application requested funds from the Site Cleanup Subaccount Program (SCAP) and included a detailed cost estimate, a statement of work, and an implementation schedule. If the application is approved this year, Water Board staff will coordinate a bid for consulting services through the Department of General Services. The goal is to complete the PCE investigation by this fall with a report out next winter.

The supplemental PCE source investigation is an augmentation to the PCE investigation and report completed in January 2016. Results of that (\$125,000) investigation indicated there were likely two separate PCE sources: one in the South Y intersection of Highways 50 and 89 and another in the western part of the city. The supplemental PCE investigation proposes to collect groundwater and soil vapor samples adjacent to the suspected source property and between the PCE-affected private Rockwater Well and the LB Wells #2 and #5 to evaluate contaminant pathways in the aquifer.

## Cleanup and Abatement Order (CAO)

On May 12, 2017, I issued a CAO to the identified responsible parties requiring cleanup and investigation of PCE groundwater contamination. The CAO requires operation of an existing on-site remediation system until an alternative is implemented and to investigate subsurface conditions to fully define the extent of PCE contamination emanating from the Lake Tahoe Laundry Works site.

### South Lahontan Region

#### 4. High Desert Power Project – John Morales

During the last fifteen years, the Water Board has issued three Conditional Waivers of Waste Discharge Requirements (WDRs) to the High Desert Power Project (HDPP) and the Victorville Water District (VWD), (joint Dischargers) for a groundwater aquifer storage and recovery banking project. Treated State Water Project (SWP) water is injected into wells owned by the VWD for later recovery and use in the HDPP. Because Waivers expire every five years, Water Board staff determined it would be more efficient to issue individual WDRs to replace the Conditional Waiver, Board Order No. R6V-2012-0012, when it expired in March 2017. However, the Dischargers recently notified the Water Board that treated SWP water from the aqueduct will no longer be injected into the aquifer. As such, Water Board staff will not pursue writing WDRs for this activity.

Initially, a Conditional Waiver of WDRs was issued because of public concern that potable water would be classified as a “waste” when treated SWP water was injected into the aquifer. The Conditional Waivers included provisions that inorganic constituents, primarily total dissolved solids (TDS), would not exceed certain degradation levels in groundwater.

The California Energy Commission (CEC) is the lead state regulatory agency for the HDPP and mandates compliance with separate Water Board requirements in its regulatory permit program. The HDPP uses highly treated SWP water from the SWP Aqueduct for power plant cooling. The groundwater aquifer storage and recovery banking project was required by the CEC as backup to the directly delivered SWP water because the California aqueduct is taken offline for annual inspection and maintenance. Prior to injecting water into the aquifer, the HDPP treats the water to achieve essentially potable drinking water standards. Settleable and suspended solids such as proteins, enzymes and colloidal constituents are removed, and, finally, the treated water undergoes ultraviolet disinfection to eliminate pathogens and viruses. The injected water is continuously monitored and any water with a TDS concentration exceeding a threshold limit was not allowed for groundwater injection.



Figure 1 Photo showing HDPP cooling towers using extracted water for cooling purposes. Visible steam is released to the atmosphere.

The project has treated and injected 8,680.9 acre-feet of water through the end of 2016, but has not injected any water in 2017. The Mojave Water Agency and the HDPP have an interim agreement to allow for percolation of SWP water into the Mojave River Floodplain in lieu of the

groundwater bank that has been approved by the CEC. HDPP is also proposing an amendment of their license with the CEC that would include making permanent the percolation banking activities.



Photo showing a filtration structure at the HDPP as part of the water treatment process prior to injecting treated water into the Mojave River Regional Aquifer.

The proposed method of groundwater banking operation among the CEC, HDPP, VWD and the Mojave Water Agency includes an agreement to allow SWP water to percolate on Mojave Water Agency percolation sites.

During the operation of the HDPP groundwater aquifer storage and recovery banking project regulated under the Conditional Waivers, Water Board staff assessed compliance with the Waivers and concluded that compliance was achieved because TDS exceedances in receiving groundwater were not observed based on data reported in the Self-Monitoring Reports. Groundwater data shows water quality degradation over the years of groundwater banking with respect to TDS but no exceedances of the TDS limit prescribed in the Conditional Waiver were observed.

##### **5. Postponement of Field Work at Installation Restoration Program Sites 27 & 34, Naval Air Weapons Station China Lake – Omar Pacheco**

The Department of the Navy had scheduled field work to begin May 8, 2017, to install six groundwater monitoring wells and twelve soil vapor monitoring wells at Installation Restoration Program (IRP) Site 27 (a former disposal area consisting of surface debris and trenches containing waste materials). In addition, six groundwater monitoring wells and eight soil vapor monitoring wells were to be installed at IRP Site 34 (a former disposal area consisting of trenches containing waste materials). All work will be performed in accordance with the agreed upon Addendum 01 to the Final Work Plan Landfill Operable Unit (Addendum 01 to the Work Plan), dated April 4, 2017. However, during the initial site visit, the Navy's consultant identified what appeared to be munitions-related items at each site. As a result, the Navy has postponed field work at both IRP Sites 27 and 34 until the sites can be declared safe.

The Navy is in the process of clearing all identified potential explosive-related hazards from each site and preparing a report documenting what was found and procedures to be followed should more potential explosive-related items are found during the planned field work. The Navy anticipates that field work will reconvene no later than May 31, 2017, once all such hazards are removed. Water Board staff requested that the Navy submit a revised field work schedule prior to initiating field work.

# **ENCLOSURE 3**





**EXECUTIVE OFFICER ACTION ITEMS**  
**JUNE 2017 EO REPORT - April 16, 2017 to May 15, 2017**  
**Lahontan Regional Water Quality Control Board**

DOCUMENT	DATE SIGNED
<b>NO FURTHER ACTION REQUIRED *</b>	
San Bernadino County, J&M Service, 20307 Bear Valley Road, Apple Valley, Lahontan Case No 6B360077998. UST Cleanup Fund NO 12487	5/2/2017
San Bernardino County, Searles Valley Minerals, Inc. Site 17 – Ditch From Warm Solution Spill, 13200 Main Street, Trona Geotracker Global Identification # T1000002383	5/10/2017
Lassen County, NFAR Bogard Work Station, North of Forest Road 32N08 Highway 44, UST Case No., 6T0322A	5/15/2017
<b>401 WATER QUALITY CERTIFICATION</b>	
Inyo County, Board Order No. R6V-2017-0019, For Clean Water Act Section 401 Water Quality Cert, Black Rock Siphon Project	5/10/2017
San Bernardino County, Board Order No. R6V-0017-0018, For Clean Act Section 401 Water Quality Cert, Oro Grande Wash at Seneca Road Project	5/10/2016
Inyo County, Board Order No. R6V-2017-0020, For Clean Water Act Section 401 Water Quality Cert, Big Pine Veterans Memorial Path Project	5/10/2017
San Bernardino County, Board Order No. R6V-2017-0021, For Clean Water Act Section 401 Water Quality Cert, US 395 EA 0N971 Project	5/10/2017
<b>ENFORCEMENT</b>	
El Dorado County, Cleanup and Abatement Order R6T-2017-0022 requiring Remediation and Additional Investigation of PCE Groundwater Contamination Lake Tahoe Laundry Works	5/22/2017
El Dorado County, Adoption of Settlement Agreement and Stipulation for Entry of Administrative Civil Liability Order No R6T-2016-0073, LM Sports, INC, Lakeside Marina	5/4/2017
<b>NOTICE OF APPLICABILITY</b>	
San Bernardino County, Notice of Applicability for General Waste Discharge Requirements Board Order No R6T-2003-0004, US 395 EA 0N971 Project	5/10/2017
Inyo County, Notice of Applicability for General Waste Discharge Requirements Board Order R6T-2003-0004 and Investigative Order No R6V-2017-0024, Owens Lake Emergency Project	5/15/2015

\* The Executive Officer finds the release of petroleum products at the following sites poses a low threat to human health, safety, and the environment. Therefore, these cases were closed in accordance with the Water Quality Control Policy for Low-Threat Underground Storage Tank Case Closure (Resolution 2012-016). The Policy recognizes contaminant mass often remains after the investment of reasonable remedial effort and this mass may be difficult to remove regardless of the level of additional effort and resources invested. The establishment of the Policy is an effort to maximize the benefits to the people of the State of California through the judicious application of available resources.

**Additional links:**

General Policy information: [http://www.swrcb.ca.gov/ust/lt\\_cls\\_plcy.shtml#policy081712](http://www.swrcb.ca.gov/ust/lt_cls_plcy.shtml#policy081712)

Copy of Policy: [http://www.waterboards.ca.gov/board\\_decisions/adopted\\_orders/resolutions/2012/rs2012\\_0016atta.pdf](http://www.waterboards.ca.gov/board_decisions/adopted_orders/resolutions/2012/rs2012_0016atta.pdf)

Implementation Plan:

[http://www.waterboards.ca.gov/board\\_decisions/adopted\\_orders/resolutions/2012/110612\\_6\\_final\\_ltcp%20imp%20plan.pdf](http://www.waterboards.ca.gov/board_decisions/adopted_orders/resolutions/2012/110612_6_final_ltcp%20imp%20plan.pdf)



# **ENCLOSURE 4**



**Monthly Enforcement Action Report  
April 16, 2017 - May 15, 2017**

<b>Facility</b>	<b>County</b>	<b>Enforcement Action</b>	<b>Current Status</b>	<b>Next Step</b>
<b>Water Board Actions</b>				
None at this time				
<b>Executive Officer Actions</b>				
Lakeside Marina	El Dorado	<b>Expedited Payment Letter/</b> Mandatory Minimum Penalty of \$6,000 two serious effluent limit violations issued 12/15/2016.	EO signed and accepted the settlement agreement May 8, 2017.	Complete
Desert View Dairy	San Bernardino	<b>Proposed Amended CAO</b> expanding area for replacement water and monitoring and establishes TDS thresholds to address nitrate and TDS groundwater pollution.	Advisory Team second request for information. Prosecution Team provided a response to Advisory Team.	Advisory Team will, recommend EO to sign, reject, or revise CAO.
Lake Tahoe Laundry Works CAO for additional cleanup and investigation.	El Dorado	<b>CAO</b> to conduct additional ground water investigation and remediation activities for PCE groundwater pollution.	EO signed the CAO May 12, 2017.	Complete
<b>Prosecution Team Actions</b>				
City of Victorville	San Bernardino	<b>ACL Complaint</b> issued 7/1/2016	Settlement Negotiations underway. Prosecution Team reviewing latest City submittal.	Prosecution Team will issue a response to the City's latest submittal.
Tahoe Keys Marina	El Dorado	<b>Expedited Payment Letter/</b> Mandatory Minimum Penalty re-issued 10/27/2016.	Discharger submitted request on 11/16/2016 to dismiss all penalties. Prosecution Team reviewed Discharger's request.	Prosecution Team will issue a response to the Discharger's request.
USFS Meeks Bay Marina	El Dorado	<b>Proposed Stipulated Agreement-</b> Signed 3/24/2017	Lahontan AEO and the USFS Supervisor signed a Stipulated Agreement to maintain BMP's and to develop and implement plans to comply with the Basin Plan.	Prosecution Team and USFS meeting to determine next steps forward following Water Board requests at the May 2017 Board meeting. Update to be provided at July 2017 Board meeting.



# **ENCLOSURE 5**





EO's Monthly Report April 16, 2017 - May 15, 2017  
 Unauthorized Waste Discharges\*

Discharger/Facility	Location	Basin	Regulated Facility?	Discharge Date	Discharge Volume	Description of Failure	Additional Details	Status
<b>COUNTY: NEVADA</b>								
Big Rig Accident	I-80 East of Farad Road, EB side.	North	No	5/6/2017	100 gallons	A Big Rig struck center divide causing the release of diesel from its saddle tank.	The release was onto asphalt and it is unknown if any waterways were impacted.	The release is contained and no longer releasing. Cleanup will be conducted by Caltrans and CAL FIRE.
<b>COUNTY: SAN BERNARDINO</b>								
Molycorp Minerals LLC	Wastewater Neutrillization Tank	South	Yes	04/21/207	1,000 gallons	Excessive wear and age caused discharge of 1,000 gallons of wastewater from the neutralization tank. No surface water was affected.	A small hole in the tank allowed industrial wastewater residue and rainwater to escape the tank and impact the surrounding soil.	The mixture was absorbed by the ground and no cleanup will be required. The mixture was tested and recorded as a pH level of 9.2.

\*All discharges to surface waters are included in the report.  
 Discharges to land of less than 100 gallons are not included in the report.



# **ENCLOSURE 6**



The Quarterly Violations Report for January 1, 2017 to March 31, 2017 includes (1) a Synopsis of 1st Quarter Violations; and (2) a Table of Pending Formal Enforcement Cases.

### **Synopsis of 1st Quarter 2017 Violations**

There are currently 62 violations entered into the CIWQS and SMARTS databases for the 1st Quarter 2017, 25 more than the 37 violations entered for the previous quarter. The violations this quarter were distributed across many facilities; however, Hot Creek Fish Hatchery, Caltrans, and North Tahoe Public Utility District account for 20 of the 62 total violations.

Three (3) Priority 1 violations are identified in this report. All are for ongoing groundwater nitrate pollution associated with the Barstow Wastewater Treatment Facility that is currently under two Cleanup and Abatement Orders; one for replacement water and one to remediate the nitrate-polluted groundwater.

There are thirty (30) Priority 2 violations. Sixty-three (63) percent (19 out of 30) of the Priority 2 violations were addressed with a discharger's corrective action, or Water Board enforcement action, or a combination of both. The effluent limitation violations at Hot Creek Fish Hatchery are being addressed by a Time Schedule Order, and the City of Victorville Sanitary Sewer Overflow violation is being addressed through an Administrative Civil Liability Complaint. All other Water Board enforcement actions for the Priority 2 violations were informal (oral communication, staff enforcement letter, notice of violation).

There were twenty-nine (29) Priority 3 violations. These violations involved late reports and missing information.

### **Table of Pending Formal Enforcement Cases**

<b>Facility</b>	<b>Alleged Violations Summary</b>	<b>Schedule Action (Quarter/Year)</b>
Sierra Truck and Auto #3	Failure to implement BMPS, failure to implement SWPPP.	2 <sup>nd</sup> Quarter 2017
Tahoe Keys Marina	Effluent Limit Violations/Expedited Payment Letter.	2 <sup>nd</sup> /3 <sup>rd</sup> Quarter 2017
City of Victorville SSO/ACL Complaint	Unauthorized discharges, failure to operate and maintain the sewer system.	3 <sup>rd</sup> Quarter, 2017
Susanville CSD WWTP – Susanville, Lassen Co.	Exceeding effluent limitations; subject to MMPs	3 <sup>rd</sup> Quarter, 2017
VVWRA	Effluent Limit violations and unauthorized discharges.	3 <sup>rd</sup> Quarter, 2017

Attachments: 1<sup>st</sup> Quarter 2017 Quarterly Violations Table

**Quarterly Violations Report  
January 1, 2017 - March 31, 2017**

	A	B	C	D	E	F	G	H	I	J
1	Priority	Agency	Facility	Violation Type	Violation Program	Date Occurred	Violation Description	Comments	Corrective Action	Enforcement Action
2	<b>EL DORADO</b>									
3	2	South Tahoe PUD/Collection System	Peninsula and Spruce, South Lake Tahoe	Unauthorized discharge	SSPMUNILRG	2/10/2017	Unauthorized discharge from manhole due to excessive infiltration and inflow (I&I), resulting in 2700 gallons of raw sewage to discharge to stormdrain system. Storm drain discharges to Bijou Creek.	Rainfall exceeded capacity; resulted in raw sewage spill from manhole at Peninsula and Spruce to storm drain. Surface water body affected.	Mitigated effects of spill, restored flow; pumped from affected manhole to another manhole going a different direction	Oral Communication
4	<b>INYO</b>									
5	3	Big Pine CSD	Big Pine STP	Reporting -> Late Report	WDRMUNILRG	1/15/2017	Submitted annual SMR 18 days late. Violated Board Order No. R6V-1995-0035 MRP I.I.C.	Annual SMR was due on 01/15/2017 and received on 02/02/2017.	Discharger did not propose or identify any corrective actions taken.	null
6	3	Big Pine CSD	Big Pine STP	Reporting -> Late Report	WDRMUNILRG	2/2/2017	Submitted quarterly SMR 18 days late. Violated Board Order No. R6V-1995-0035 MRP I.I.B.	Quarterly SMR was due on 01/15/2017 and received on 02/02/2017.	Discharger did not propose or identify any corrective actions taken.	null
7	3	Inyo County Dept of Parks & Rec	Tecopa Hot Springs Park WWTF	Reporting -> Late Report	WDRMUNIOTH	1/30/2017	Submitted annual SMR 16 days late. Violated Board Order No. R6V-1994-0102 MRP I.I.C.	The annual SMR was due on 01/30/2017 and received on 02/15/2017.	Discharger did not propose or identify any corrective actions taken.	null
8	3	USDI National Park Service Death Valley	Furnace Creek Class III LF	Reporting -> Deficient Reporting	LFNONOPER	2/1/2017	Failed to submit the 4th quarter 2016 SMR. Violates Board Order No. 6-96-158, Section IV.C.1. as specified in MRP no. 96-158, section D.	Requested SMR are uploaded into GeoTracker.	Discharger said samples were taken in December 2016, but exceeded holding times.	Staff Enforcement Letter
9	<b>KERN</b>									
10	2	California City	California City WTF	Reporting -> Deficient Reporting	WDRMUNILRG	2/28/2017	Failed to provide parameters related to effluent monitoring. Violated Board Order No. R6V-2000-0094 MRP I.B.1.	The SMR was missing the second effluent BOD result for the month.	Discharger did not propose or identify any corrective actions taken.	null
11	2	Coso Operating Company LLC	NWC 2, BLM East, Units 7 & 8 Coso KGRA	Deficient Monitoring	LNDISPOTH	1/12/2017	Failed to analyze the geothermal effluent water and geothermal reservoir groundwater for all parameters listed in the monitoring and reporting program during the third and fourth quarter 2016. Violates Board Order 6-89-26, WDR section II.1 and MRP section I.B and I.C.	Failed to analyze the injection and production wells for selenium during the third and fourth quarter.	The discharger did not propose or identify corrective actions.	null
12	2	Inyokern CSD	Inyokern CSD WTF	Reporting -> Deficient Reporting	WDRMUNILRG	1/15/2017	Failed to provide results for several parameters related to flow monitoring, and effluent quality Board Order No. R6V-1993-0077 MRP I.A.1-5, I.B.1, I.C, respectively.	The SMR was missing flow and effluent data for quarters 1 and 2 for 2016.	Discharger stated that the annual report was incomplete due to unrecoverable documents from previous staff and management.	null
13	2	Rosamond CSD	Rosamond WTF (Ponds)	Reporting -> Deficient Reporting	WDRMUNILRG	3/31/2017	Failed to provide results for parameters related to septage haulers. Violated Board Order No. R6V-2015-0069 MRP I.I.C.1-4.	The SMR is missing the name of the septage haulers, volume per load, load out point, and parameter data for each load.	Discharger did not propose or identify any corrective actions taken.	Oral Communication
14	3	Desert Lake CSD	Desert Lake CSD WTF	Reporting -> Late Report	WDRMUNILRG	1/15/2017	Submitted quarterly SMR 99 days late. Violated Board Order No. R6V-2001-0055 MRP V.A.	The quarterly SMR was due on 01/15/2017 and received on 04/24/2017.	Discharger did not propose or identify any corrective actions taken.	Oral Communication
15	3	Inyokern CSD	Inyokern CSD WTF	Reporting -> Late Report	WDRMUNILRG	1/15/2017	Submitted annual SMR 24 days late. Violated Board Order No. R6V-1993-0077 MRP I.I.B.2.	Annual SMR was due on 01/15/2017 and received on 02/08/2017.	Discharger did not propose or identify any corrective actions taken.	null
16	3	RJR Thomas LP	Willow Springs MHP	Reporting -> Late Report	WDRMUNIOTH	1/30/2017	Submitted quarterly SMR 15 days late. Violated Board Order No. R6V-2002-0021 MRP III.B.	Quarterly SMR was due on 01/30/2017 and received on 02/14/2017.	Discharger did not propose or identify any corrective actions taken.	null
17	<b>LASSEN</b>									
18	2	Susanville Consolidated Sewer District/Collection System	2950 Main St., Manhole W-10	Water Quality -> Sanitary Sewer Overflow/Spill/	SSOMUNILRG	3/27/2017	Manhole blockage caused 105 gallons of sewage to spill from manhole at Manhole W-10 to paved surface. Surface water body not affected.	Debris caused blockage resulting in discharge of raw sewage.	Cleaned-up spill, contained spill; restored flow; returned 75 gallons of spill to sanitary sewer system.	null
19	<b>LOS ANGELES</b>									
20	2	City of Lancaster/Collection System	60th West Street and Avenue L-8	Water Quality -> Sanitary Sewer Overflow/Spill/	SSOMUNILRG	3/6/2017	Manhole blockage caused 1,050 gallons of raw sewage to discharge to paved and unpaved surfaces. Surface water not affected.	Sand infiltration into manhole lid from recent storm event caused raw sewage to discharge from manhole at 60th West and Avenue L-8 to street/curb and gutter; unpaved surface.	Cleaned-up spill; mitigated effects; contained spill; restored flow; returned majority of spill to sanitary sewer system. Added line to maintenance program; adjusted schedule for preventive maintenance; inspected sewer using CCTV to determine cause.	

**Quarterly Violations Report  
January 1, 2017 - March 31, 2017**

	A	B	C	D	E	F	G	H	I	J
	Priority	Agency	Facility	Violation Type	Violation Program	Date Occurred	Violation Description	Comments	Corrective Action	Enforcement Action
21	<b>MONO</b>									
22	2	Ca Dept of Fish & Game Independence	Hot Creek Hatchery NPDES	Water Quality -> Effluent -> CAT1	NPDNONMUNIPRC	1/9/2017	Nitrite Plus Nitrate (as N) Monthly Average limit is 0.23 mg/L and reported value was 0.42 mg/L at M-003.	null	The derived value for the Nitrate limit, and numerous other parameters, within the permit are obtained from the Boards Basin Plan, and not a site specific review of the Hot Creek springs past data. DFW believes the Hatchery should only be responsible for discharge levels above those found naturally occurring in the springs, which the TSO makes effort to address.	TSO R6V 2009-0016
23	2	Ca Dept of Fish & Game Independence	Hot Creek Hatchery NPDES	Water Quality -> Effluent -> CAT1	NPDNONMUNIPRC	1/9/2017	Nitrite Plus Nitrate (as N) Monthly Average limit is 0.23 mg/L and reported value was 0.36 mg/L at M-004.	null	The derived value for the Nitrate limit, and numerous other parameters, within the permit are obtained from the Boards Basin Plan, and not a site specific review of the Hot Creek springs past data. DFW believes the Hatchery should only be responsible for discharge levels above those found naturally occurring in the springs, which the TSO makes effort to address.	TSO R6V 2009-0016
24	2	Ca Dept of Fish & Game Independence	Hot Creek Hatchery NPDES	Water Quality -> Effluent -> CAT1	NPDNONMUNIPRC	1/9/2017	Nitrite Plus Nitrate (as N) Instantaneous Maximum limit is 0.31 mg/L and reported value was 0.49 mg/L at M-002.	null	The derived value for the Nitrate limit, and numerous other parameters, within the permit are obtained from the Boards Basin Plan, and not a site specific review of the Hot Creek springs past data. DFW believes the Hatchery should only be responsible for discharge levels above those found naturally occurring in the springs, which the TSO makes effort to address.	TSO R6V 2009-0016
25	2	Ca Dept of Fish & Game Independence	Hot Creek Hatchery NPDES	Water Quality -> Effluent -> CAT1	NPDNONMUNIPRC	1/9/2017	Nitrite Plus Nitrate (as N) Instantaneous Maximum limit is 0.31 mg/L and reported value was 0.52 mg/L at M-003.	null	The derived value for the Nitrate limit, and numerous other parameters, within the permit are obtained from the Boards Basin Plan, and not a site specific review of the Hot Creek springs past data. DFW believes the Hatchery should only be responsible for discharge levels above those found naturally occurring in the springs, which the TSO makes effort to address.	TSO R6V 2009-0016
26	2	Ca Dept of Fish & Game Independence	Hot Creek Hatchery NPDES	Water Quality -> Effluent -> CAT1	NPDNONMUNIPRC	1/9/2017	Nitrite Plus Nitrate (as N) Instantaneous Maximum limit is 0.31 mg/L and reported value was 0.36 mg/L at M-004.	null	The derived value for the Nitrate limit, and numerous other parameters, within the permit are obtained from the Boards Basin Plan, and not a site specific review of the Hot Creek springs past data. DFW believes the Hatchery should only be responsible for discharge levels above those found naturally occurring in the springs, which the TSO makes effort to address.	TSO R6V 2009-0016
27	2	Ca Dept of Fish & Game Independence	Hot Creek Hatchery NPDES	Water Quality -> Effluent -> CAT1	NPDNONMUNIPRC	1/9/2017	Nitrite Plus Nitrate (as N) Instantaneous Maximum limit is 0.31 mg/L and reported value was 0.32 mg/L at M-003.	null	The derived value for the Nitrate limit, and numerous other parameters, within the permit are obtained from the Boards Basin Plan, and not a site specific review of the Hot Creek springs past data. DFW believes the Hatchery should only be responsible for discharge levels above those found naturally occurring in the springs, which the TSO makes effort to address.	TSO R6V 2009-0016
28	2	Ca Dept of Fish & Game Independence	Hot Creek Hatchery NPDES	Water Quality -> Effluent -> CAT1	NPDNONMUNIPRC	1/9/2017	Nitrite Plus Nitrate (as N) Monthly Average limit is 0.23 mg/L and reported value was 0.41 mg/L at M-002.	null	The derived value for the Nitrate limit, and numerous other parameters, within the permit are obtained from the Boards Basin Plan, and not a site specific review of the Hot Creek springs past data. DFW believes the Hatchery should only be responsible for discharge levels above those found naturally occurring in the springs, which the TSO makes effort to address.	TSO R6V 2009-0016



**Quarterly Violations Report  
January 1, 2017 - March 31, 2017**

	A	B	C	D	E	F	G	H	I	J
1	Priority	Agency	Facility	Violation Type	Violation Program	Date Occurred	Violation Description	Comments	Corrective Action	Enforcement Action
29	2	Ca Dept of Fish & Game Independence	Hot Creek Hatchery NPDES	Water Quality -> Effluent -> CAT1	NPDNONMUNIPRC	1/9/2017	Nitrite Plus Nitrate (as N) Instantaneous Maximum limit is 0.31 % and reported value was 0.32 % at M-001.	null	The derived value for the Nitrate limit, and numerous other parameters, within the permit are obtained from the Boards Basin Plan, and not a site specific review of the Hot Creek springs past data. DFW believes the Hatchery should only be responsible for discharge levels above those found naturally occurring in the springs, which the TSO makes effort to address.	TSO R6V 2009-0016
30	2	Ca Dept of Fish & Game Independence	Hot Creek Hatchery NPDES	Water Quality -> Effluent -> CAT1	NPDNONMUNIPRC	1/9/2017	Nitrite Plus Nitrate (as N) Instantaneous Maximum limit is 0.31 mg/L and reported value was 0.33 mg/L at M-002.	null	The derived value for the Nitrate limit, and numerous other parameters, within the permit are obtained from the Boards Basin Plan, and not a site specific review of the Hot Creek springs past data. DFW believes the Hatchery should only be responsible for discharge levels above those found naturally occurring in the springs, which the TSO makes effort to address.	TSO R6V 2009-0016
31	2	Ca Dept of Fish & Game Independence	Hot Creek Hatchery NPDES	Water Quality -> Effluent -> CAT1	NPDNONMUNIPRC	1/9/2017	Nitrite Plus Nitrate (as N) Monthly Average limit is 0.23 % and reported value was 0.33 % at M-001.	null	The derived value for the Nitrate limit, and numerous other parameters, within the permit are obtained from the Boards Basin Plan, and not a site specific review of the Hot Creek springs past data. DFW believes the Hatchery should only be responsible for discharge levels above those found naturally occurring in the springs, which the TSO makes effort to address.	TSO R6V 2009-0016
32	2	Ca Dept of Fish & Game Independence	Hot Creek Hatchery NPDES	Water Quality -> Effluent -> CAT1	NPDNONMUNIPRC	1/9/2017	Nitrite Plus Nitrate (as N) Instantaneous Minimum limit is 0.31 % and reported value was 0.33 % at M-001.	null	The derived value for the Nitrate limit, and numerous other parameters, within the permit are obtained from the Boards Basin Plan, and not a site specific review of the Hot Creek springs past data. DFW believes the Hatchery should only be responsible for discharge levels above those found naturally occurring in the springs, which the TSO makes effort to address.	TSO R6V 2009-0016
33	2	Mammoth Mountain Ski Area LLC	Mammoth Mtn Ski Area WTF	Reporting -> Deficient Reporting	WDRMUNIOTH	1/30/2017	Failed to provide results for several parameters relate to effluent quality. Violated Board Order No. R6V-2000-0017 MRP I.B.	The SMR was missing the second semi-annual results for effluent TDS, Chloride, Sodium, Sulfate, Total Hardness, Boron, and Fluoride.	Discharger did not propose or identify any corrective actions taken.	null
34	3	Hilton Creek CSD	Hilton Creek CSD Package STP	Reporting -> Late Report	WDRMUNIOTH	1/15/2017	The quarterly SMR was submitted 57 days late. Violated Board Order No. R6V-2004-0018 MRP II.B.	The quarterly SMR was due on 01/15/2017 and received on 03/13/2017.	Discharger did not propose or identify any corrective actions taken.	null
35	3	Mammoth Mountain Ski Area LLC	Mammoth Mtn Ski Area WTF	Reporting -> Late Report	WDRMUNIOTH	1/15/2017	Submitted quarterly SMR 73 days late. Violated Board Order No. R6V-2000-0017 MRP II.B.	Quarterly SMR was due on 01/15/2017 and received on 03/29/2017.	Discharger did not propose or identify any corrective actions taken.	null
36	3	Mammoth Mountain Ski Area LLC	Mammoth Mtn Ski Area WTF	Reporting -> Late Report	WDRMUNIOTH	1/30/2017	The annual SMR was received 60 days late. Violated Board Order No. R6V-2000-0017 MRP II.B.	The annual SMR was due on 01/30/2017 and received on 03/31/2017.	Discharger did not propose or identify any corrective actions taken.	null
37	3	USDA Forest Service Inyo NF Bishop	Rock Creek Area WTP	Reporting -> Late Report	WDRMUNIOTH	1/24/2017	Submitted quarterly SMR 101 days late. Violated Board Order No. R6V-1991-0107 MRP II.A.	Quarterly SMR was due on 10/15/2016 and received on 01/24/2017.	Discharger did not propose or identify any corrective actions taken.	null
38	<b>PLACER</b>									
39	2	North Tahoe PUD	NAWTP Lake Inlet Emergency Repair	Water Quality -> Effluent -> OEV	CERFILLEXC	2/14/2017	Turbidity Instantaneous Maximum limit is 7.3 NTU and reported value was 66 NTU.	See inspection report	Location of discharge was changed after instructions from staff.	Notice of Violation
40	2	North Tahoe PUD	NAWTP Lake Inlet Emergency Repair	Water Quality -> Receiving Water -> Surface Water	CERFILLEXC	2/14/2017	Additional Condition #3: Turbid water (greater than 10% above background levels) was not initially discharged to sanitary sewer system.	null	Location of discharge was changed after instructions from staff.	Notice of Violation
41	2	North Tahoe PUD	NAWTP Lake Inlet Emergency Repair	Basin Plan Prohibition	CERFILLEXC	2/14/2017	Standard Condition #4: construction activities caused a violation of the Basin Plan.	null	null	Notice of Violation

**Quarterly Violations Report  
January 1, 2017 - March 31, 2017**

	A	B	C	D	E	F	G	H	I	J
1	Priority	Agency	Facility	Violation Type	Violation Program	Date Occurred	Violation Description	Comments	Corrective Action	Enforcement Action
42	2	North Tahoe PUD	NAWTP Lake Inlet Emergency Repair	Order Conditions Reporting -> Late	CERFILLEXC	2/14/2017	Standard Condition #5: The project was not constructed and operated in accordance with the project described in the WQC application. Standard Condition #4: Project construction activities caused a violation of the Basin Plan.	null	null	Notice of Violation
43	2	North Tahoe PUD	NAWTP Lake Inlet Emergency Repair	Reporting -> Late Report	CERFILLEXC	2/28/2017	An incident report was not received by February 28, 2017.	null	null	Notice of Violation
44	<b>SAN BERNARDINO</b>									
45	1	Barstow City	Barstow WTF Mojave River Bed	Water Quality -> Receiving Water -> Groundwater	WDRMUNILRG	1/18/2017	Exceeded MCL for TDS (1000 mg/L) in five wells. Violated Board Order No. R6V-1994-0026 I.B.5.	TDS: MW02-01 (2000 mg/L), MW03-02 (1500 mg/L), MW03-03 (1900 mg/L), MW03-04 (2000 mg/L), and MW06 (1300 mg/L).	The City contests this violation to be solely from WWTP operation drinking water TDS has gone up. Also TDS concentration in MW-01 is between 1500 to 2000mg/L. This MW is on west side of Interstate 15 and upstream of WWTP discharge area.	CAO No. R6V-2013-0045 CAO No. R6V-2007-0017
46	1	Barstow City	Barstow WTF Mojave River Bed	Water Quality -> Receiving Water -> Groundwater	WDRMUNILRG	1/18/2017	Exceeded MCL for Nitrate as N (10 mg/L) in one well. Violated Board Order No. R6V-1994-0026 I.B.5.	Nitrate as N: MW03-04 (12 mg/L).	The City contests this violation to be solely from WWTP operation, cut City is working with WB to address nitrate problem by proposing pump and treat.	CAO No. R6V-2013-0045 CAO No. R6V-2007-0017
47	1	Barstow City	Barstow WTF Mojave River Bed	Water Quality -> Receiving Water -> Groundwater	WDRMUNILRG	2/14/2017	Exceeded MCL for Nitrate as N (10 mg/L) in one well. Violated Board Order No. R6V-1994-0026 I.B.5.	Nitrate as N: MW03-04 (12 mg/L).	The City contests this violation to be solely from WWTP operation, cut City is working with WB to address nitrate problem by proposing pump and treat.	CAO No. R6V-2013-0045 CAO No. R6V-2007-0017
48	3	BNSF Railway Company Kansas	Fort Irwin Rd Land Treatment Unit	Reporting -> Late Report	LNDISPOTH	1/15/2017	Submitted the second semi-annual 2016 SMR 29 days late. Violates Board Order 6-01-17, MRP section IV.C.	The SMR was due on 1/15/2017 and was received on 2/14/2017.	The discharger did not propose or identify corrective actions.	Oral Communication
49	2	Caillier, Karen	Roadhouse Restaurant	Reporting -> Late Report	WDRMUNIENTROTH	1/15/2017	Submitted monthly SMR 114 days late. Violated Board Order No. 97-10-DWQ MRP II.B.1.	Monthly SMR was due on 01/15/2017 and received on 05/09/2017.	Discharger did not propose or identify any corrective actions taken.	Oral Communication
50	2	Helendale CSD	Helendale Silverlakes STP	Water Quality -> Receiving Water -> Groundwater	WDRMUNILRG	1/19/2017	Exceeded MCLs for Chloride (500 mg/L), TDS (1000 mg/L) in three wells. Violated Board Order No. R6V-2001-0039 I.C.2.	Chloride: MW2 (1180 mg/L); TDS: MW2 (3510 mg/L), MW3 (1180 mg/L), and MW4 (2300 mg/L).	Additional investigation is necessary to assess the Dischargers impacts on groundwater TDS concentrations in relation to other potential sources of TDS in the area. Current effluent TDS concentration averages 800 ppm.	null
51	2	Peterson, William & Beaver	Shaharold Mine	Deficient Monitoring	LNDISPOTH	1/15/2017	Failed to submit the second-semi annual 2016 monitoring report. Violates Board Order 99-36, WDR section II.C.1.	Monitoring reports have not been submitted by the discharger since the Board Order was adopted in September 1999.	Water Board staff is working with the discharger to determine appropriate next steps.	null
52	2	Sierra Truck Auto No 3	Sierra Truck Auto No 3	SW - Deficient BMP Implementation	INDSTW	3/16/2017	Gasoline stored in an improper container without any secondary containment and without any protection against the drum being knocked over. There is a lack of BMP implementation to prevent contaminant transport as run-off in case of a rain event. The filtration system uses chlorine in the wash water without any mitigation against an over flow spill from the receiving tank..	null	null	Notice of Violation
53	2	Victorville City	East of Grant Street and Lambert Lane	Water Quality -> Sanitary Sewer Overflow/Spill	SSOMUNILRG	1/26/2017	Grease Deposition (FOG) and other debris in main caused blockage resulting in discharge of 68,750 gallons of raw sewage from manhole. Surface water body affected.	Discharge was to drainage channel tributary to Horseshoe Lake.	Cleaned-up; mitigated effects; contained all or portion of spill; restored flow.	ACL
54	3	Ca Dept of Transportation District 8	C.V. Kane Safety Roadside Rest	Reporting -> Late Report	WDRMUNIOTH	1/30/2017	The annual SMR was 30 days late. Violated Board Order No. R6V-1994-0100 MRP II.C.	The annual SMR was due on 01/30/2017 and received on 03/01/2017.	Discharger did not propose or identify any corrective actions taken.	null
55	2	Ca Dept of Transportation District 8	C.V. Kane Safety Roadside Rest	Reporting -> Deficient Reporting	WDRMUNIOTH	1/30/2017	Failed to provide parameters related to Flow and Effluent Monitoring. Violated Board Order No. R6V-1994-0100 MRP I.A.1-4, and I.B, respectively.	The SMR was missing the daily, monthly, and average flow rates, freeboard data, and effluent dissolved oxygen data.	Discharger did not propose or identify any corrective actions taken.	null
56	3	Ca Dept of Transportation District 8	Desert Oasis Safety Roadside RES	Reporting -> Late Report	WDRMUNIOTH	1/30/2017	The annual SMR was 30 days late. Violated Board Order No. R6V-1997-0096 MRP II.B.	The annual SMR was due on 01/30/2017 and received on 03/01/2017.	Discharger did not propose or identify any corrective actions taken	null

**Quarterly Violations Report  
January 1, 2017 - March 31, 2017**

	A	B	C	D	E	F	G	H	I	J
1	Priority	Agency	Facility	Violation Type	Violation Program	Date Occurred	Violation Description	Comments	Corrective Action	Enforcement Action
57	3	Ca Dept of Transportation District 8	Desert Oasis Safety Roadside RES	Reporting -> Deficient Reporting	WDRMUNIOTH	1/30/2017	Failed to provide parameters related to Flow and Effluent Monitoring. Violated Board Order No. R6V-1997-0096 MRP I.A.1-4, and I.B, respectively.	The SMR was missing the daily, monthly, and average flow rates, freeboard data, and effluent dissolved oxygen data.	Discharger did not propose or identify any corrective actions taken.	null
58	3	Caillier, Karen	Roadhouse Restaurant	Reporting -> Late Report	WDRMUNIENTROTH	3/15/2017	Submitted monthly SMR 55 days late. Violated Board Order No. 97-10-DWQ MRP II.B. 1.	The monthly SMR was due on 03/15/2017 and received on 05/09/2017.	Discharger did not propose or identify any corrective actions taken.	Oral Communication
59	3	Chevron Mining Inc R6	New Ivanpah Dry Lake Evap Pond	Reporting -> Late Report	LNDISPOTH	1/30/2017	Failed to submit annual 2016 monitoring report. Violates Board Order 6-90-41, WDR section II.2, and MRP section II.D	The SMR is 17 days late.	The discharger did not propose or identify corrective actions.	null
60	3	Chevron Mining Inc R6	Old Evap Pond Closure	Reporting -> Late Report	LNDISPOTH	1/30/2017	Failed to submit the annual 2016 monitoring report. Violates Board Order 6-90-56, WDR section II.1 and MRP section II.D.	The annual summary is 17 days late.	null	null
61	3	Cordola, Leonard & TR	Melina Square	Reporting -> Late Report	WDRMUNIOWTS	1/15/2017	No SMR submitted. Violated Board Order No. R6V-1988-0021 MRP II.	null	Discharger did not propose or identify any corrective actions taken.	null
62	3	Fort Irwin National Training Center	Fort Irwin Waterworks	Reporting -> Late Report	LNDISPOTH	1/15/2017	Failed to submit the fourth quarter monitoring report. Violates Board Order R6V-2015-0004, MRP section IV.	The SMR is 33 days late and has not been received as of 2/17/2017.	Water Board staff has notified the discharger of the late report and a submittal date has been requested.	Oral Communication
63	3	Fort Irwin National Training Center	Fort Irwin Waterworks	Reporting -> Late Report	LNDISPOTH	1/15/2017	Failed to submit the second semi-annual 2016 monitoring report. Violates Board Order R6V-2015-0004, MRP section IV.	The SMR is 33 days late and has not been submitted as of 2/17/2017.	Water Board staff notified the discharger on 2/17/2017 and requested an ETA for submittal.	Oral Communication
64	3	Fort Irwin National Training Center	Fort Irwin Waterworks	Reporting -> Late Report	LNDISPOTH	1/15/2017	Failed to submit the annual 2016 monitoring report. Violates Board Order R6V-2015-0004, MRP section IV.	The SMR is 33 days late and has not been submitted as of 2/17/2017.	Water Board staff notified the discharger of the violation and has requested the report to be submitted.	Oral Communication
65	3	Molycorp Minerals LLC	Onsite Evaporation Ponds	Reporting -> Late Report	LNDISPOTH	2/10/2017	Submitted 3rd quarter 2016 report 263 days late. Violates Board Order No. R6V-2005-0011,IV.C.1.(MRP SECTION III.D.)	Quarterly SMR 3rd quarter 2016 was due October 30 2016 and received on February 10, 2017 with the 2016 4th quarter report.	Discharger has submitted proposed revisions to the MRP. Enforcement pending final response from Water Board staff; proposed revised MRP changes under review.	null
66	3	San Bernardino County CSA 82	Trona & Pioneer Point WTF	Reporting -> Late Report	WDRMUNILRG	1/15/2017	Submitted semi-annual SMR 22 days late. Violated Board Order No. R6V-1994-0059 MRP II.B.	Semi-annual SMR was due on 01/15/2017 and received on 02/06/2017.	Discharger did not propose or identify any corrective actions taken.	null
67	3	San Bernardino County Regional Parks	Calico Ghost Town REC Facility WTF	Reporting -> Late Report	WDRMUNILRG	1/15/2017	Submitted semi-annual SMR 22 days late. Violated Board Order No. R6V-1983-0104 MRP Reporting.	Semi-annual SMR was due on 01/15/2017 and received on 02/06/2017.	Discharger did not propose or identify any corrective actions taken.	null
68	3	San Bernardino County Waste	Heaps Peak Leachate Treatment & Disposal System	Reporting -> Late Report	WDRNONMUNIPRC	2/1/2017	Submitted 2016 Annual report 16 days late. Violates Board Order No. R6V-2012-0011A1 no 3, MRP VI.C.	The 2016 annual report was due 1/30/17, and was received on 2/15/16.	null	null
69	3	Van Dam, Eldert	B & E Dairy	Reporting -> Late Report	ANIWSTCOWS	1/15/2017	The semi-annual SMR is 45 days late. Violated Board Order No. R6V-1996-0009 MRP II.	The second semi-annual SMR was due on 01/15/2017 and received on 03/01/2017.	Discharger did not propose or identify any corrective actions taken.	null
70	3	Vanderbuilt Gold Corp	Morning Star Mine	Reporting -> Late Report	LNDISPOTH	1/15/2017	Failed to submit the fourth quarter 2016 monitoring report. Violates Board Order 89-170, WDR section II.1.	The SMR has not been submitted to the office and is currently 25 days late.	Water Board staff is working with the discharger to determine appropriate next steps.	null
71	3	Victor Valley Wastewater Reclamation Authority	Victor Valley Wastewater Reclamation Authority WTP	Reporting -> Late Report	WDRMUNILRG	2/2/2017	Submitted quarterly SMR 278 days late. Violated Board Order No. R6V-2012-0058 MRP II.C.	Quarterly SMR was due on 04/30/2016 and received on 02/02/2017.	Discharger did not propose or identify any corrective actions taken.	Oral Communication



# **ENCLOSURE 7**



**CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
LAHONTAN REGION**

**JULY 2017 STANDING ITEMS**

The Water Board has requested that it be kept informed of the status of a number of issues. The following table lists the items, the reporting frequency and the dates the items are due.

ISSUE	FREQUENCY	DUE DATE
Lake Tahoe Nearshore	Semi-Annual	July – Item 3 January
Status of Basin Plan Amendments	Annually	August
Status of Grants	Annually	April
Caltrans Statewide General Permit/Tahoe Basin	Annually	September
Tahoe Municipal Permit	Annually	July – Item 2
County Sanitation Districts of Los Angeles – District. No. 14, Lancaster	Annually	March
County Sanitation Districts of Los Angeles – District No. 20, Palmdale	Annually	September
Status of Dairies	Annual	February
City of Barstow Nitrate/Orphan Perchlorate	Semi-Annual	September March
Pacific Gas & Electric Company	Quarterly	Feb, May, Aug, Nov
Leviathan Mine	Semi-Annual	January, July – Item 5
Salt & Nutrient Management Plans	Annually	May
Onsite Septic Systems	Semi-Annual	March, September
Grazing Update	Annually	July (postponed to September)
Bacteria Water Quality Objectives Project	Semi-Annual	May, November
Quarterly Violations Report	Quarterly	Mar, June, Sept, Dec





# **ENCLOSURE 8**





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*State and Regional*

**1. Personnel Report – Eric Shay**

**New Hires**

- Russell Norman, Water Resource Control Engineer, North Basin Regulatory Unit, South Lake Tahoe. This position will focus on National Pollutant Discharge Elimination System Permitting activity and oversight for aquatic pesticides applied to waters, fish hatchery discharges, NPDES permits other than for domestic wastewater, and also on permitting dredge and fill activities. The previous incumbent was Tobi Tyler.
- Jennifer Watts, Environmental Scientist, Planning & Assessment Unit, South Lake Tahoe. Duties are split evenly between development of TMDLs and TMDL alternatives, Integrated Report, and Basin Plan amendments. The previous incumbent was Mary Fiore-Wagner.

**Promotions**

- Jan Zimmerman, Senior Engineering Geologist, Unit Chief for the Land Disposal Unit, Victorville. The previous incumbent was Patrice Copeland.
- Bill Muir, Senior Engineering Geologist, Unit Chief for the Department of Defense & Site Cleanup Program Unit, Victorville. The previous incumbent was Cindi Mitton.
- Rob Tucker, Engineering Geologist, promoted to Range D due to successfully passing the exams to become a California licensed Professional Civil Engineer.
- Ed Hancock, promoted from Scientific Aid to Environmental Scientist, Planning & Assessment Unit, South Lake Tahoe. Duties are split evenly between development of TMDLs and TMDL

alternatives, Integrated Report, and Basin Plan amendments. The previous incumbent was Kelly Huck.

- Jeff Brooks, promoted to Senior Engineering Geologist, Unit Chief for the Cleanup & Site Investigation Unit, South Lake Tahoe. The previous incumbent was Tom Gavigan.

### **Transfers**

- Christina Guerra, Engineering Geologist, transfer from Department of Defense Unit to Land Disposal Unit, Victorville. This position develops waste discharge requirements and provides oversight of land disposal facilities, including landfills, mines, surface impoundments, and compost facilities. The previous incumbent was Brianna St. Pierre.

### **Vacancies** – We are currently recruiting for the following positions:

- Engineering Geologist, Non-Point Source Unit, South Lake Tahoe. This is a new position that replaces a limited-term Engineering Geologist position which expires on 6/30/2017 (current incumbent is Brian Judge).
- Engineering Geologist, Land Disposal Unit, Victorville. The previous incumbent was Jan Zimmerman.
- Engineering Geologist, Cleanup & Site Investigation Unit, South Lake Tahoe. The current incumbent, Tammy Lundquist, will be retiring 8/31/2017.
- Engineering Geologist (0.5 PY), Leviathan Mine, South Lake Tahoe. This is a new position.
- Engineering Geologist (2 positions), Department of Defense Unit, Victorville. The previous incumbents were Bill Muir (now Unit Chief of DOD Unit) and Christina Guerra (transferred to Land Disposal Unit).
- Scientific Aid, Non-Point Source Unit, South Lake Tahoe. The previous incumbent was Ed Hancock. Vacancy announcement has not been posted yet.
- Engineering Geologist, North Basin Regulatory Unit, South Lake Tahoe. The previous incumbent was Jeff Brooks. Vacancy announcement has not been posted yet.

### **Departures** – None

## *North Lahontan Region*

### **2. Standing Item - Lake Tahoe Municipal NPDES Permit Update – Robert Larsen**

On March 9, 2017, the Lahontan Regional Water Quality Control Board (Water Board) renewed the National Pollutant Discharge Elimination System (NPDES) Municipal Storm Water Permit (Permit) that regulates runoff discharges from the three municipalities on the California side of the Lake Tahoe Basin. The Permit serves as the primary implementing tool for the Lake Tahoe TMDL, and incorporates the innovative Lake Clarity Crediting Program to track and account for pollutant load reduction requirements. Unlike previous permit update efforts, this permit renewal enjoyed the support of all three co-permittees, the United States Environmental Protection Agency, and other stakeholders. The Water Board's permitting and program success at Lake Tahoe provides valuable context for other agencies exploring performance-based regulatory approaches to meet water quality challenges throughout the state.

Water Board staff, Robert Larsen and Board member Dr. Amy Horne traveled to Santa Rosa in May to present to the North Coast Regional Water Quality Control Board on Lake Tahoe TMDL and Permit accomplishments and share lessons learned in developing and implementing the Lake Clarity Crediting Program. The North Coast Water Board has developed an initial water quality trading program in the Klamath watershed and is exploring creative options to address degradation at the Laguna de Santa Rosa. North Coast and Water Board staffs discussed how the pollutant crediting and tracking concepts used at Lake Tahoe could be used in the North Coast Region.

Water Board staff Robert Larsen has also been invited to speak at the annual California Stormwater Quality Association conference that will be held in Sacramento late this summer. Staff, along with City of South Lake Tahoe and Environmental Incentives partners, will describe how initial Crediting Program skepticism and resistance ultimately shifted to program acceptance and support. Empowering local government to develop and implement jurisdiction-specific solutions while providing a set of consistent, transparent, and predictable tools to demonstrate progress has proven beneficial to Lake Tahoe. Water Board staff look forward to continued outreach with agencies throughout the state to share our experience and allow others to benefit from the Water Board's hard work.

### **3. Standing Item - Lake Shore Nearshore Program Status – Robert Larsen**

The Water Board and agency partners have committed to responding to perceived changes in Lake Tahoe's nearshore environment. As previously reported the Water Board and Tahoe Regional Planning Agency (TRPA) staff are developing a comprehensive Nearshore Resource Allocation Plan (NRAP) to guide research and monitoring investment decisions to help identify nearshore management options. That work is nearly complete, and initial program priorities are emerging.

The complexity and heterogeneity of Lake Tahoe's nearshore makes assessing conditions and the evaluating potential changes challenging. Given this challenge, Water Board staff and agency partners are most interested in thoughtfully pairing long-term research and monitoring with investment in information gathering that can directly influence meaningful implementation. In the coming two years, the TRPA will lead work to survey aquatic plant populations around the entire lake shore to guide invasive species control efforts. Concurrently, the Water Board will support ongoing algae and nutrient input monitoring while continuing research to understand the primary drivers impacting algae growth.

This approach will gather needed information to immediately impact aquatic invasive species control work while supporting longer-term studies to better understand perceived differences in algae growth and other nearshore quality indicators. Water Board staff will update the Board as new findings arise.

### **4. Surface Water Ambient Monitoring Program Update – Dan Sussman and Kelly Huck**

This Report updates the Board on five SWAMP monitoring and programmatic topics.

**Harmful Algal Blooms (HABs)** – HABs are a growing concern statewide as temperatures, nutrient loading and water residence times continue to rise. Algae blooms can affect recreation, aquatic life and aesthetics. Besides being a nuisance, they can also produce potent toxins that are a serious health concern to humans and pets. From this emerging issue, The California Cyanobacteria Harmful Algal Bloom Network (CCHAB) was formed in order to help address and respond to HAB matters statewide. Lahontan Region SWAMP staff is collaborating with CCHAB to respond to suspected HAB reports. Staff members in both the South Lake Tahoe and Victorville offices are being trained in HAB identification and monitoring protocols. More information, including a map documenting reported HAB events, is found on the My Water Quality portal at: <http://www.mywaterquality.ca.gov/habs/index.html>.

**Bioassessment** – The composition and abundance of benthic macroinvertebrate (BMI) and benthic algae species in a water body can be used as an integrative indicator of ecological health. In the 2017 field season, SWAMP staff and contractors will be collecting BMI, physical habitat and diatom samples at 20 sites per field season. This data will be used to determine if there are any impacts to the aquatic health beneficial use, and to identify further monitoring needs to investigate potential stressors. Site selection priorities were based on:

- 1) Better characterization of long-term permanent sites and the effects of climate change;
- 2) Investigation of waterbodies with sediment and siltation issues for potential delisting; and
- 3) Assigning high scoring sites as Category 1 in the Integrative Report for anti-degradation protections. (Category 1: All assessed beneficial uses supported and no beneficial uses known to be impaired).

**Discretionary Contracts FY 17-18** – The Central Valley Regional Water Board successfully obtained approval for two discretionary contracts that are beneficial to, and collaborate with, the Lahontan Region. One of those, led by the Central Valley Resources Board forestry staff, examines the effectiveness of passive sampling equipment for monitoring runoff of pesticides associated with forest management

practices. The second project, led by the Central Valley Resources Board SWAMP staff, aims to verify if the California Stream Condition Index (CSCI) is a tool that can successfully be applied to non-perennial streams. CSCI is a bioassessment scoring metric that accounts for various environmental conditions, providing comparable scores from streams located in different areas and ecoregions around the state. This discretionary contract will use Sierra Nevada non-perennial stream sites on both sides of the Sierra crest. For more information about CSCI, see: [https://www.waterboards.ca.gov/water\\_issues/programs/swamp/bioassessment/data\\_tools.shtml](https://www.waterboards.ca.gov/water_issues/programs/swamp/bioassessment/data_tools.shtml).

**Mercury and Mammoth Creek** – Mammoth Creek is on the 303(d) list as impaired for mercury. The creek’s watershed includes Mammoth Stamp Mill, an 1870’s gold processing facility managed by the USFS and temporarily closed to the public due to high levels of metals. The USFS is planning to implement cleanup activities, including removal of the metals-impacted waste material and soil. It is probable that the USFS site is the source of much of the contamination of the creek. Data collected by the Toxic Substance Monitoring Program indicated composite samples of brown trout collected in the downstream segment of the creek contained levels of mercury that exceed protective screening values developed by Office of Environmental Health Hazard Assessment (OEHHA). We are awaiting final approval and execution of a FY 2016-17 discretionary contract award that will evaluate levels of mercury and other contaminants in fish tissue collected from waterbodies within the Lahontan Region, including Mammoth Creek, that are impaired due to high levels of mercury found in fish tissue and/or sediment. The goal of the project is to provide more intensive sampling and analysis of a broader spectrum of sport fish collected to allow OEHHA to develop safe eating guidelines. As part of the discretionary contract, fish from Mammoth Creek will be analyzed for mercury, arsenic, and lead. (CalTrout collected the fish for this effort last September.) For more information about the USFS efforts at the Mammoth Stamp Mill site, see: <https://www.fs.usda.gov/detail/invo/news-events/?cid=FSEPRD540759>.

**SWAMP Priorities for 2017 Contract Cycle** – The next contract cycle is scheduled to commence in calendar year 2017. SWAMP contracts reflect the expected monitoring plans for a three-year period. The monitoring plans for the 2017 contract are consistent with the 2014 contract, with a focus on quarterly sampling of 10 long-term permanent sites (the region’s largest rivers and streams), screening sites that are “screened” for compliance with the Basin Plan’s site specific objectives on a quarterly multi-year basis, and further diagnostic sampling of sites where screening indicated potential water quality problems (generally more frequent sampling of fewer analytes). Additionally, funds are allocated for bioassessment sampling and HAB response. The Water Board SWAMP staff aims to increase coordination with the TMDL, Basin Planning, and core regulatory programs, while maintaining a level of ambient monitoring. During the next 18 months, SWAMP staff will evaluate program priorities to develop an updated monitoring focus. To inform this process, staff intends to consider such elements as the Integrated Report, ambient monitoring needs, climate change, human health concerns, and information needs of other programs.

## 5. Standing Item - Leviathan Mine, Alpine County – *Hannah Schembri*

Water Board staff continues coordinating with United States Environmental Protection Agency (USEPA) and Atlantic Richfield Company (ARC) for the completion of current and proposed site work at Leviathan Mine.

### **Emergency Spring Treatment Operations**

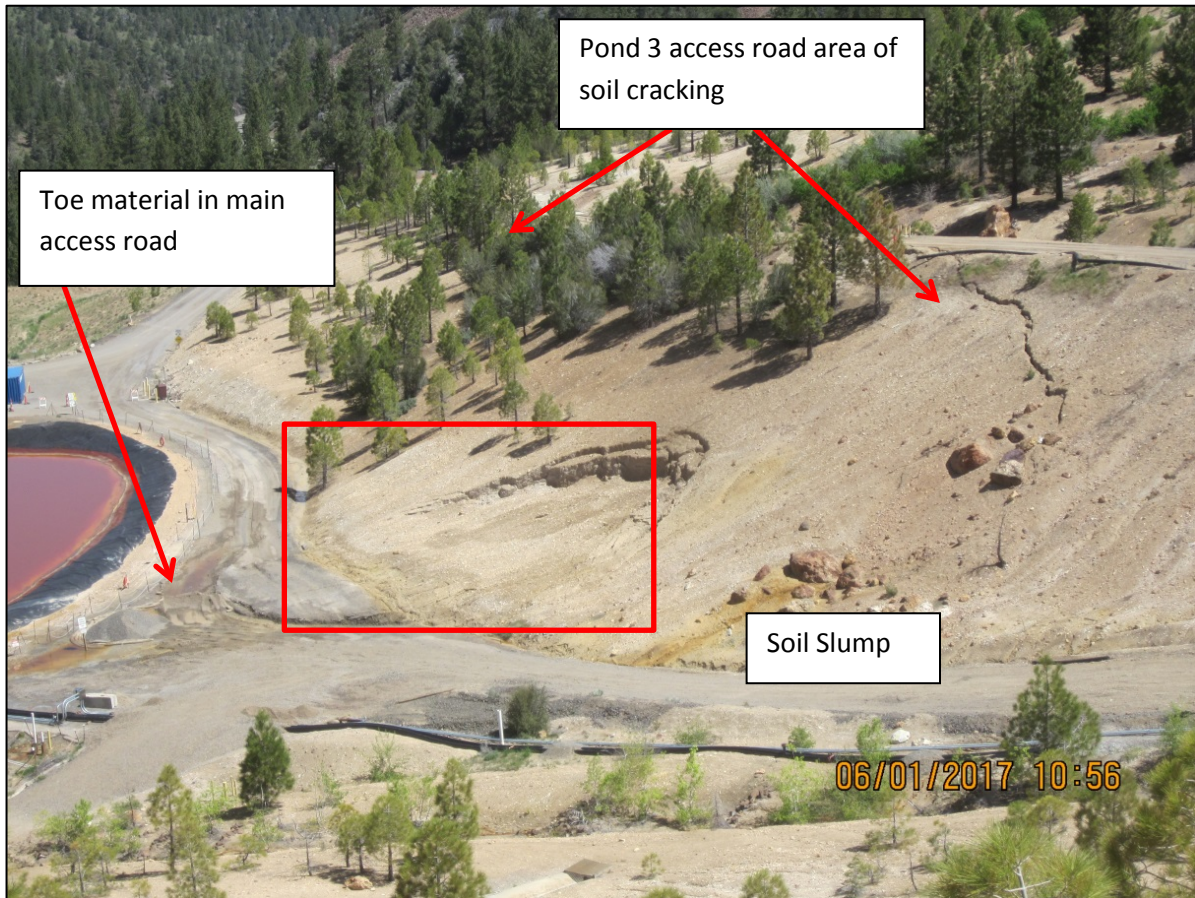
Through extraordinary efforts, the Water Board and its contractor, TKT Consulting LLC, successfully treated and discharged approximately 14.9 million gallons of acid mine drainage (AMD) from March 3, 2017 to June 1, 2017. These efforts were conducted under extremely challenging weather and site conditions including snow-covered frozen ponds, five to six feet of snow cover across the mine site, and operating in sub-freezing temperatures. Changing AMD quality also presented a significant challenge, increasing lime use rates from approximately 10-15 bags per day at the beginning to upwards of 100-120 bags per day during the last few weeks of treatment. The increasing lime use also resulted in increased sludge production rates and decreasing Pond 3 treatment capacity. In spite of these and other challenging conditions, the Water Board and its contractor treated and discharged approximately 14.9 million gallons of AMD to Leviathan Creek in compliance with USEPA discharge criteria.

The 2017 Emergency Spring Treatment Operations ceased on June 1, 2017 and provided enough time for the Water Board's Summertime Pond Water Treatment contractor, AECOM, to assemble and begin operating the Water Board's Pond Water Treatment System on June 7, 2017. This startup date is approximately one month earlier than a typical year, and was necessary due to the increasing challenges with Emergency Spring Treatment Operations (operational and full expenditure of the Emergency Spring Treatment contract) and continuing high AMD inflow rates into the State's pond system. It is through this combination of actions by Water Board staff and the Water Board's contractors that no untreated AMD was discharged from the State's pond system to Leviathan Creek, despite one of the wettest years on record and observing extremely high AMD inflow rates on record for the State's pond system (approximately 130 gallons per minute; previous high was approximately 90-95 gallons per minute).

**Soil Slump East of Pond 4**

Water Board and ARC personnel have also observed some slope instability this spring. Water Board staff discovered in March a soil slump located on the hillside to the northeast and above Pond 3. To date, this soil slump has not affected Water Board or ARC operations at the mine site.

More recently, on April 27, 2017, ARC contractors discovered a small soil slump on a slope east of Pond 4. Further investigation by Water Board staff found additional soil cracking adjacent to and below the access road to Pond 3, above the soil slump. Water Board staff has since observed that the soil slump is slowly creeping downhill with the headscarp increasing in height and the mass of toe material accumulating in the main access road slowly increasing as well (see Figure 1). The Water Board's contractor, AECOM, was brought in to evaluate the site and propose initial measures for stabilizing the slope and reopening the road to safe use. AECOM has submitted design plans and Water Board staff is working with USEPA to obtain authorization to proceed with implementing the plans as quickly as possible.



**Figure 1 – Soil Slump East of Pond 4 at Leviathan Mine**

### **Settlement Agreement Activities**

For the time period between December 15, 2016 and June 14, 2017, Water Board staff has reviewed ARC's Remedial Investigation/Feasibility Study (RI/FS) cost reports and supplemental information requested by Water Board staff for the third quarter of 2016 through the first quarter of 2017 (three reports). Staff also continued to follow through on resolving outstanding issues related to previous ARC quarterly cost reports through the Settlement Agreement's informal dispute resolution process, and now considers all RI/FS cost report issues to be resolved through the Second Quarter 2016 Cost Report. Staff's review of ARC's RI/FS costs will continue for the next several years and is a critical element of a complex cost-sharing and accounting system established by the Settlement Agreement.

Water Board staff and ARC have been in discussions to amend the Settlement Agreement for purposes of revising ARC's time schedule to conduct a full-scale field demonstration of its High Density Sludge (HDS) treatment system. The purpose of the full-scale field demonstration is to verify if ARC's HDS treatment system can adequately treat certain AMD sources that ARC (Channel Underdrain and Delta Seep) and the Water Board (Adit and Pit Underdrain) are currently treating separately with their own treatment systems. Using the HDS treatment system to treat all four AMD sources is referred to as Interim Combined Treatment (ICT). The amended Settlement Agreement would also revise the schedule for the Water Board's potential takeover of ICT operations following a successful full-scale field demonstration project. The Water Board's potential takeover of operating the ICT system depends, in part, upon a successful ARC full-scale field demonstration of the HDS treatment system, USEPA's approval, and State contracting, and would remain in effect until a final remedy is selected and implemented.

### **Work Plan for 2017 Season**

As part of annual field season preparation activities, staff prepared and submitted the following documents:

- 2017 Work Plan for Leviathan Mine to USEPA;
- Updated Health and Safety Plan for Leviathan Mine with assistance from the State Water Board's Health and Safety Office to USEPA;
- Updated Annual Road Use Plan to the United States Forest Service; and
- 2017 Hazardous Materials Business Plan for Leviathan Mine to Alpine County.

As required, staff has entered these documents into the online California Emergency Response System.

### **Review and Comment Activities**

Water Board staff reviewed approximately 100 technical documents since December 15, 2016, related to Leviathan Mine site activities. The documents addressed a wide-variety of subjects including RI/FS work plans, risk assessment work plans, interim combined treatment work plans, USEPA's 2016/2017 Winter Contingency Plan, ARC progress reports, Groundwater Technical Data Summary Report, and Final Reference Area Work Plan. Staff has submitted comment letters to USEPA on eight of these documents.

### **Annual Leviathan Mine Technical Update Meeting**

The USEPA hosted the Annual Leviathan Mine Technical Update Meeting on January 26, 2017, in Carson City, Nevada. This half day meeting is an opportunity for stakeholders to hear about the activities that were conducted at the Leviathan Mine site during 2016. Water Board staff presented an overview of the 2016 Treatment Season (Pond Water Treatment of Adit and Pit Underdrain AMD sources) and maintenance activities. ARC and their contractors presented an Overview of the 2016 Treatment Season (HDS treatment of the Channel Underdrain, Delta Seep, and Aspen Seep Bioreactor), RI/FS and risk assessment activities, documents, and work planned for 2017. Dr. David Herbst presented a Benthic Macroinvertebrate Sampling Update and USEPA data observations.



## **Washoe Tribe Stakeholder Meeting and Site Tour**

Water Board staff attended a meeting on February 23, 2017, at the Washoe Tribal Headquarters in Gardnerville, Nevada with the USEPA to discuss Emergency Spring Treatment at Leviathan Mine and the potential for the AMD ponds to overflow. The USEPA committed to keeping the Washoe Tribe informed if an unauthorized discharge of untreated or partially treated AMD occurred.

Water Board staff participated in a Leviathan Mine site tour on May 18, 2017, that included a site overview and discussion of HDS treatment system startup. The tour was organized by USEPA with Washoe Tribe Charmain Mortimer, Washoe Tribe technical staff, and staff from the Alpine Watershed Group. Water Board staff participated in the tour and assisted the USEPA with general site overview and background information.

## **USEPA Winter Monitoring Contingency Plan**

Water Board staff committed to assist USEPA with its 2016/2017 Winter Monitoring Contingency Plan at Leviathan Mine. Onsite monitoring and reporting of important infrastructure and site conditions occurred at a minimum of once every six weeks during the winter and spring seasons by both Water Board staff and ARC staff on separate occasions. Additionally, Water Board staff evaluates real-time staff gage height information at different surface water and AMD locations at and around the Leviathan Mine site. The information is provided on the United States Geological Survey's website. The Contingency Plan identifies additional Water Board and ARC response activities and associated triggering conditions.

## *South Lahontan Region*

### **6. Water Board Staff Volunteer at San Bernardino County Water Conservation Fair –**

*Tom Browne*

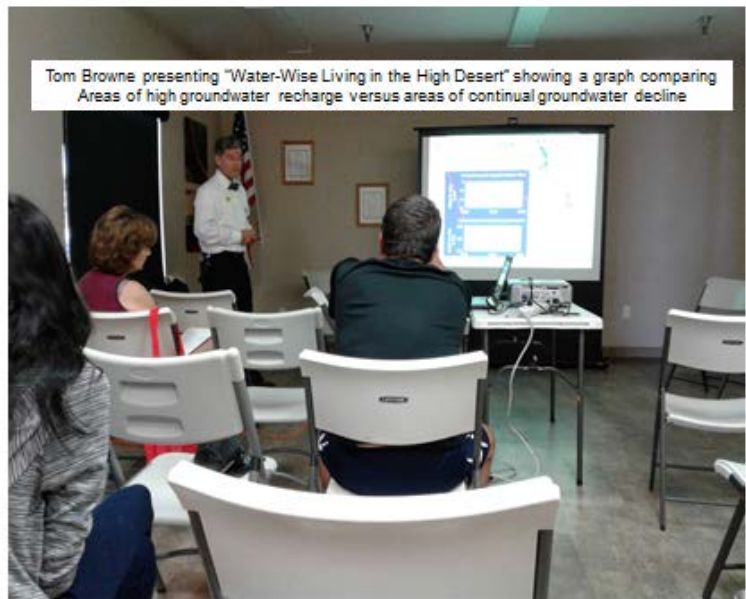
On Saturday May 20, 2017, Water Board staff Tom Browne, Water Resource Control Engineer, and Jehiel Cass, Senior Water Resource Control Engineer, volunteered to represent the Water Board at the Water Conservation Fair (fair) hosted by the County of San Bernardino, Special Districts, at the Spring Valley Lake Community Center in Victorville. The fair was a public outreach event intended to educate the general public on water-related issues, such as storm water, water as a precious resource, where our drinking water comes from, and the importance of water conservation in the desert. Other agencies attending included the San Bernardino County Fire Department, San Bernardino County Search and Rescue Squad, Mojave River Watershed Group, American Red Cross Association, and others.

Mr. Cass and Dr. Browne setup a diorama to demonstrate how stormwater, groundwater, lakes, and streams can be polluted by urban runoff and waste/contaminant spills. This diorama was provided to the Water Board offices by the State Water Board. With the diorama, our team also demonstrated how drinking water is produced and how wastewater/sewage is collected and treated. Many children were interested (see Photo 1). Free literature regarding water quality, pollution prevention, and storm water was distributed, along with pencils, pens, and rubber balls with pollution prevention logos, all provided by the State Water Board.



Photo 1: Tom Browne and Jay Cass of the Lahontan Office show how stormwater pollution enters lakes and streams to curious on-lookers

In addition to manning the booth at the fair, Dr. Browne conducted a 30-minute presentation titled “*Water-Wise – Living in the Desert*” that was followed by a good question-and-answer session (photo below). The presentation highlighted the Water Board’s role in protecting water resources and described our programs geared to enhance infiltration and to protect the Mojave River and our groundwater aquifers from pollution. Adult members of the audience were most fascinated by graphs showing over-drafting conditions of groundwater in aquifers (from 1990 to the present) and rapid groundwater recharge in the sandy bed of the Mojave River. A high-school age member of the audience asked for ideas for a water-related science project for her Girl Scout troop and for her high school science fair.



The San Bernardino County will be hosting another fair on June 24, 2017, at Oak Hills High School. Mr. Cass and Dr. Browne have volunteered to represent our agency at this event as well.

## **7. Investigation of Per- and Polyfluoroalkyl Substances at Marine Corps Logistics Base, Barstow, Nebo Main Base - Alonzo Poach**

In 2016, Marine Corps Logistics Base Barstow (MCLB) sampled both Nebo and Yermo site monitoring wells for per- and polyfluoroalkyl substances (PFAS). PFAS has been commonly referred to as perfluorinated compounds or “PFCs.” United States Environmental Protection Agency (USEPA) is now trying to use “per- and polyfluoroalkyl substances (PFASs)” rather than “perfluorinated chemicals (PFCs)” to collectively describe PFOA, PFOS and the other chemicals in this group. Perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS) are the most common sub-groups of PFAS. PFAS is found in fire-fighting foams used at military installations and in private industry to fight petroleum fires.

In August 2016, the Navy presented the analytical results from two sampling rounds in a technical memorandum reviewed by Water Board and Department of Toxics Substances Control staff. The analytical results showed that PFAS were present in groundwater, and the Navy began evaluating if any off-base receptors could be impacted. Two private off-base production wells were identified east of the Nebo Main Base. The private wells were subsequently sampled in June 2017 for PFAS. Preliminary analytical data shows that samples from one of the two off-base private wells exceeded the USEPA’s lifetime health advisory (LHA) of 70 parts per trillion for PFOA and PFOS. Exact concentrations are not known at this time because the data is preliminary and is currently being validated. The Navy has notified both off-base property owners and is being proactive in providing bottled water to the residence with exceedances. The Navy is further evaluating PFAS and is working to develop a long-term sustainable solution for the impacted residences. Wells sampled at the Yermo Annex did not show detections over the USEPA’s LHA for PFAS.

To date, California does not have regulatory standard associated with PFOA or PFOS in drinking water. However, we are following this emerging constituent of concern closely. The US EPA has established a lifetime Health Advisory Level (HAL) for PFOA and PFOS of 0.070 micrograms per liter (µg/L) or 70 parts per trillion. When both PFOA and PFOS are found in drinking water, the combined concentrations of PFOA and PFOS should be compared with the 70 parts per trillion Health Advisory Level. California has tested drinking water supplies for PFOA, PFOS, and related chemicals since 2013 as required by EPA under the third Unregulated Contaminant Monitoring Rule (UCMR 3). USEPA has taken the lead on this issue and is overseeing testing throughout the nation, including military bases.

In December of 2009, California's Office of Environmental Health Hazard Assessment (OEHHA) prioritized PFOA and related salts, transformation, and degradation products for possible listing under Proposition 65. In August, 2015 the OEHHA proposed that PFOA and PFOS be reviewed by the Developmental and Reproductive Toxicant Identification Committee (DARTIC) under proposition 65. These chemicals were not proposed for listing during this time, but OEHHA is seeking public comments and the DARTIC consultation regarding if these chemicals should proceed to the next stage of the listing process.



# **ENCLOSURE 9**



**EXECUTIVE OFFICER ACTION ITEMS**  
**JULY 2017 EO REPORT - MAY 16, 2017 to JUNE 15, 2017**  
**Lahontan Regional Water Quality Control Board**

DOCUMENT	DATE SIGNED
<b>NO FURTHER ACTION REQUIRED *</b>	
San Bernadino County, NFAR for 10-inch Pipeline, Former GAFB, 18374 West Phantom St., Victorville	6/15/2017
San Bernadino County, NFAR for Buildings 830-833 Test Strands, Former GAFB, 18374 West Phantom St., Victorville	6/15/2017
<b>401 WATER QUALITY CERTIFICATION</b>	
Inyo County, Board Order No. R6V-2017-XXXX, Water Quality Certification, Amargosa Culverts Project	5/26/2017
Alpine County, 401 Cert for Caltrans District 10 Highway 4 Culvert Maintenance Project	5/26/2016
San Bernardino County, Board Order No R6V-2017-0029 401 Cert Mojave River West Levee Phase II Project	6/6/2017
El Dorado County, 401 Cert for Meyers Stream Environment Zone Erosion Control Project, Meyers	6/7/2017
Placer County, 401 Cert for Marine Boatlift Replacement Project	6/15/2017
<b>DISCHARGE REQUIREMENTS</b>	
San Bernardino County, Reissued Waste Discharge Requirements for the CA Dept of Fish and Wildlife Mojave River Fish Hatcher Order No r6V-2017-0025	5/18/2017
<b>AGREEMENTS AND CONTRACTS</b>	
Water Code Section 13383 Order to Submit Method to Comply with Statewide Trash Provisions; Requirements for Municipal Separate Storm Sewer System (MS4) Permittees	6/1/2017
<b>NOTICE OF APPLICABILITY</b>	
Notice of Applicability for General Waste Discharge Requirements for Small Construction, Including Utility, Public Works, and Minor Streambed/Lakebed Alteration Projects, Board Order No. R6T-2003-0004, Phase I Expansion Barstow Landfill Watershed A, San Bernardino County, WDID No. 6B361609001	5/18/2017
Inyo County, Notice of Applicability for General Waste Discharge Requirements Board Order R6T-2003-0004 and Investigative Order No R6V-2017-0024, Owens Lake Emergency Project	5/15/2015
<b>EXEMPTIONS</b>	
Nevada County, Exemption to the Discharge Prohibitions Within the Truckee River Hydrologic Unit for the Town of Truckee Donner Pass Road Corridor Improvements Project Phase 1	5/31/2017
Placer County, Exemption to Waste Discharge Prohibition Below the Highwater Rim of Lake Tahoe for the Ennis Pier Extension Project, Tahoe Pines	6/7/2017
<b>REQUEST FOR INFORMATION OR FEEDBACK</b>	
Copper Sulfate to Remove Invasive Algae to LADWP	5/26/2016

\* The Executive Officer finds the release of petroleum products at the following sites poses a low threat to human health, safety, and the environment. Therefore, these cases were closed in accordance with the Water Quality Control Policy for Low-Threat Underground Storage Tank Case Closure (Resolution 2012-016). The Policy recognizes contaminant mass often remains after the investment of reasonable remedial effort and this mass may be difficult to remove regardless of the level of additional effort and resources invested. The establishment of the Policy is an effort to maximize the benefits to the people of the State of California through the judicious application of available resources.

**Additional links:**

General Policy information: [http://www.swrcb.ca.gov/ust/lt\\_cls\\_plcy.shtml#policy081712](http://www.swrcb.ca.gov/ust/lt_cls_plcy.shtml#policy081712)

Copy of Policy: [http://www.waterboards.ca.gov/board\\_decisions/adopted\\_orders/resolutions/2012/rs2012\\_0016atta.pdf](http://www.waterboards.ca.gov/board_decisions/adopted_orders/resolutions/2012/rs2012_0016atta.pdf)

Implementation Plan:

[http://www.waterboards.ca.gov/board\\_decisions/adopted\\_orders/resolutions/2012/110612\\_6\\_final\\_ltcp%20imp%20plan.pdf](http://www.waterboards.ca.gov/board_decisions/adopted_orders/resolutions/2012/110612_6_final_ltcp%20imp%20plan.pdf)





# **ENCLOSURE 10**



**Monthly Enforcement Action Report  
May 16, 2017 - June 15, 2017**

<b>Facility</b>	<b>County</b>	<b>Enforcement Action</b>	<b>Current Status</b>	<b>Next Step</b>
<b>Water Board Actions</b>				
None at this time				
<b>Executive Officer Actions</b>				
Desert View Dairy	San Bernardino	<b>Proposed Amended CAO</b> expanding area for replacement water and monitoring and establishes TDS thresholds to address nitrate and TDS groundwater pollution.	Advisory Team second request for information. Prosecution Team provided a response to Advisory Team.	Advisory Team will, recommend EO to sign, reject, or revise CAO.
<b>Prosecution Team Actions</b>				
City of Victorville	San Bernardino	<b>ACL Complaint</b> issued 7/1/2016	Settlement Negotiations underway. Prosecution Team reviewing latest City submittal.	Prosecution Team will issue a response to the City's latest submittal.
Tahoe Keys Marina	El Dorado	<b>Expedited Payment Letter/</b> Mandatory Minimum Penalty re-issued 10/27/2016.	Discharger submitted request on 11/16/2016 to dismiss all penalties. Prosecution Team reviewed Discharger's request.	Prosecution Team will issue a response to the Discharger's request.
USFS Meeks Bay Marina	El Dorado	<b>Proposed Stipulated Agreement-</b> Signed 3/24/2017	Lahontan AEO and the USFS Supervisor signed a Stipulated Agreement to maintain BMP's and to develop and implement plans to comply with the Basin Plan.	Staff will provide an update to the Board in July.



# **ENCLOSURE 11**



EO's Monthly Report May 16, 2017 - June 15, 2017  
 Unauthorized Waste Discharges\*

Discharger/Facility	Location	Basin	Regulated Facility?	Discharge Date	Discharge Volume	Description of Failure	Additional Details	Status
<b>COUNTY: ALPINE</b>								
South Tahoe Public Utility District/Indian Creek Reservoir	Downstream of Indian Creek Reservoir before Diamond Ditch	North	Yes	5/31/2017	3,000 gallons	A pipe failure resulted in the release of disinfected secondary treated effluent to the unpaved surfaces and surface water.	A leak in the inverted siphon resulted in recycled wastewater discharging to the roadside ditch and entering Indian Creek.	The discharger stopped the flow to the siphon, recovered 1,200 gallons from the roadside ditch, and sampled the release. The pipe was isolated and plans are being made for a repair.
<b>COUNTY: EL DORADO</b>								
Tahoe Keys Marina	2435 Venice Dr, South Lake Tahoe	North	Yes	5/28/2017	1 gallon	The fuel dispensing hose released fuel to surface water.	During fueling, the fuel dispensing hose detached from the Nevada Department of Wildlife boat causing fuel to release to Lake Tahoe.	Booms and sorbent pads were deployed by Tahoe Keys Marina staff and spill contained.
Tahoe Keys Marina	2435 Venice Dr, South Lake Tahoe	North	Yes	5/30/2017	>1 gallon	Boat sank causing the release of fuel to surface water.	Tahoe Keys Marina Rental Boat sank releasing fuel to Lake Tahoe.	Booms and sorbent pads were deployed by Tahoe Keys Marina staff and spill contained.
<b>COUNTY: INYO</b>								
Vehicle accident	Chalk Road, one mile west of Jean Blanc Rd, Bishop	South	No	5/29/2017	Unknown	A vehicle entered Owens River and caused the release of an unknown volume of fuel and fluids to a surface water.	The accident caused fuels to leak into the Owens River.	Vehicle cannot be removed due to high flows. LADWP is taking samples to test for fuel components.
<b>COUNTY: MONO</b>								
Mammoth Water District/Mammoth CSD	Lake Mary Loop Road & Lake Mary Road, Mammoth	South	Yes	5/31/2017	3,900 gallons	Equipment failure caused the release of raw sewage to unpaved surface.	Coldwater pump station has been without power since February 2017. The generator running the pump station failed causing a release of raw sewage to ground surface.	The discharger repaired the generator and restored flow. None of the spill was recoverable.
Shell Mart	3011 Main St., Mammoth Lakes	South	No	6/6/2017	Unknown	Discharger caused the release of washwater to stormdrain tributary to surface water.	Gas station attendant was observed discharging gas station washdown water into the storm drain inlet.	City of Mammoth Lakes Code Compliance Department reported the incident and is following up on clean up requirements.

\*All discharges to surface waters are included in the report.  
 Discharges to land of less than 100 gallons are not included in the report.

EO's Monthly Report May 16, 2017 - June 15, 2017  
 Unauthorized Waste Discharges\*

Discharger/Facility	Location	Basin	Regulated Facility?	Discharge Date	Discharge Volume	Description of Failure	Additional Details	Status
<b>COUNTY: PLACER</b>								
Tahoe-Donner Maintenance Facility	14510 Northwood's Blvd, Truckee	North	Yes	Winter 2016/2017, Received complaint 5/25/2017	200 gallons	Tank re-filling released diesel to ground surface.	Tank re-filling error caused 200 gallons of diesel to release to stormdrain system.	Discharger contracted with Clean Harbors to clean up release.
North Tahoe Marina	Marina buoy field	North	Yes	6/11/2017	1-2 gallons	A sunken boat caused the release of fuel to surface water.	A boat sank and caused the release of fuel to Lake Tahoe	Marina staff deployed booms around the boat and the boat was recovered as soon as winds allowed.
High and Dry Marina	Marina boat launch area, Homewood	North	Yes	6/14/2017	0.25 cup	An engine failure caused the release of 0.25 cup of oil to Lake Tahoe.	A boat with a cracked engine block was launched and upon starting it, the engine seized releasing the oil to the lake.	Discharger removed boat from Lake Tahoe and placed it in secondary containment. Booms were deployed in the lake and marina, area cleaned up.
<b>COUNTY: SAN BERNARDINO</b>								
Marina Corps Logistic Base/Yermo Facility, Barstow	Building 611, Wet Well, Yermo Annex	South	Yes	5/31/2017	730 gallons	Excessive flows from the cooling tower system overwhelmed the pump station releasing industrial wastewater and oily water to unpaved surface.	The cooling tower auto dump system failed causing the continuous discharge of cooling tower wastewater to the wet well causing the upstream manholes to overflow.	The discharger redirected flow from the pump station to the emergency storage tanks. Area was cleaned up. Increased inspection and maintenance to the system initiated.
City of Victorville/ City of Victorville CSD	North of Ottawa St., West of Santa Fe drainage channel	South	Yes	6/12/2017	393,000 gallons	Debris blockage in sewer main caused the release of 393,000 gallons of raw sewage to unpaved surface tributary to Mojave River.	Debris caused blockage of sewer main and caused the release of raw sewage from Manhole SWMH#005570 to unpaved surface.	Discharger was notified by VVWRA of a low flow condition which led to locating the release. Ditch was bermed off, signs posted, blockage removed and normal flow restored.
Molycorp, Inc.	67750 Baily Road, Mountain Pass	South	Yes	6/13/2017	288 gallons	Equipment failure caused the release of process water unpaved surface.	A pinhole leak in an HDPE pipe caused the release of diluted process wastewater to the ground.	The release was unrecoverable due to the location next to the road. The pipe has been isolated and scheduled for repair.

\*All discharges to surface waters are included in the report.  
 Discharges to land of less than 100 gallons are not included in the report.