CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LAHONTAN REGION

MEETING OF OCTOBER 13-14, 2010
Barstow

ITEM: 1

SUBJECT: **EXECUTIVE OFFICER'S REPORT**

DISCUSSION: The Executive Officer's report includes the following:

October 2010

Enclosure 1: Discussion of Standing Items

Enclosure 2: Executive Officer's Written Report

Enclosure 3: Notification of Spills

Enclosure 4: Notification of Closure of Underground Storage Tank Cases (Pursuant to Article 11, Division 3, Chapter 16, title 23, California Code of Regulations)

ENCLOSURE 1

Discussion of Standing Items

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD LAHONTAN REGION

REPORT ON STATUS OF STANDING ITEMS

October 2010

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 where the report can be found.

ISSUE	REPORT FREQUENCY	STATUS/COMMENT
City of Barstow	Quarterly (Southern Meeting)	EO Report Item No. 9
County Sanitation Districts of Los Angeles - District No. 14	Semi-Annual (Southern Meeting)	EO Report Item No. 11
County Sanitation Districts of Los Angeles - District No. 20	Semi-Annual (Southern Meeting)	EO Report Item No. 12
Lake Tahoe Nearshore Standards	Semi-Annual (Northern Meeting)	Due April 2011 board Meeting
Searles Valley Minerals Operations - Compliance Status	Semi-Annual (Southern Meeting)	Due January 2011 Board Meeting
Status of Basin Plan Amendments	Semi-Annual	EO Report Item No. 6
Status of Dairies	Semi-Annual (Southern Meeting)	EO Report Item No. 4
Status of Grants	Semi-Annual	EO Report Item No. 5
Caltrans Statewide General Permit/Tahoe Basin	Annually (Northern Meeting)	Due April 2011 Board Meeting
Tahoe Municipal Permit	Annually (Northern Meeting)	Due June 2011 Board Meeting
Wetland Restoration Mitigation - Mono County	Annually	Due November 2010 Board Meeting

ENCLOSURE 2

Executive Officer's Written Report

Lahontan Regional Water Quality Control Board

EXECUTIVE OFFICER'S REPORT

October 2010

NORTH BASIN

1. ***The Draft Leaking Underground Fuel Tank Guidance Manual*** – *Richard Booth*

The State Water Resources Control Board staff is updating the 1989 Leaking Underground Fuel Tank (LUFT) Field Manual and has presented a draft version for public comment. The updated draft California LUFT Guidance Manual is intended to assist stakeholders involved in California's LUFT Program (also known as the Underground Storage Tank (UST) Program) to meet the Program's main objective of protecting human health, safety, and the environment from petroleum products that have leaked from UST systems.

The draft LUFT Manual is not a regulation but is intended to provide guidance on the following:

1) Investigating suspected or known leaks at LUFT sites.
2) Assessing risk to human health and the environment when leaks have occurred.
3) Determining cleanup levels in soil, groundwater, and air for contaminated sites.
4) Screening out sites from further study that represent an acceptable degree of risk.
5) Taking remedial actions.

The draft LUFT Manual is the result of collective efforts by stakeholders including State and Regional Water Board staff, local and federal regulators, responsible parties, and consultants. Public comment on the draft Manual ended October 1, 2010.

The first section of the draft LUFT Manual discusses the administration of the LUFT Program, including roles and responsibilities of the stakeholders, requirements and functions of the GeoTracker database, and the work plan process. The second section provides guidance on tank removals and on initial responses to releases. The third section presents technical discussions of investigation and remediation.

Investigation guidance provided in the draft Manual includes discussions on the Conceptual Site Model, fate and transport of contaminants in the subsurface, soil and groundwater investigations, soil vapor investigations, laboratory methods, and risk assessments. The draft Manual, a 235-page document, provides detailed technical guidance on various aspects of an investigation, such as, drilling methods, appropriate well construction methods, proper interpretation of petroleum hydrocarbon laboratory analyses, and hydrocarbon vapor intrusion into buildings.

Remediation guidance in the draft Manual includes advantages and disadvantages of the various current remediation

technologies, including soil excavation, soil-vapor extraction, in-situ chemical and biological treatments, and natural attenuation.

The updated California LUFT Manual will improve investigation and remediation of UST releases by providing up-to-date, standardized guidance for all stakeholders.

2. ***Lane Trust Property, Placer County*** - *Lisa Dernbach*

The responsible party for the Lane Trust property in Kings Beach was in violation with a cleanup and abatement order for not conducting cleanup actions for chlorinated hydrocarbons contamination for two months. Board staff was notified in early July that the current remediation system, consisting of air sparge and soil vapor extraction, was turned off by the new property owner who claimed that the electrical bill was not being paid by the responsible party, the William M. and Lilly P. Lane Trust.

In 2007, I issued a cleanup and abatement order to the Lane Trust for the discharge of chlorinated hydrocarbon products to groundwater. A laundry business formerly operated on the parcel, located at 8731 North Lake Boulevard, until the mid-1970's. Chlorinated hydrocarbon concentrations, primarily as tetrachloroethene, or PCE, adversely affect the drinking water aquifer and threaten air quality inside buildings. The order required the owner to conduct cleanup actions for remediating contamination in soil and groundwater, implementing an indoor air quality survey, and submitting remediation status reports. An air sparge and soil vapor extraction system has operated sporadically at the site since installation in early 2008.

Following issuance of the Order, the Lane Trust sold the property to a new owner who operates a fireplace and stove store at the site. The new owner claims that the Lane Trust has gone months without paying the electrical bill for the remediation system, causing the power company to threaten to turn off power to the property, including to the retail store. In response, the new owner turned off the remediation system and denied access to the site to the Lane Trust's consultant.

Since the disagreement began, Board staff has had many conversations with the Lane Trust, its consultant, and the new property owner focused on re-starting the remediation system and avoiding additional enforcement action. In mid-August, Board staff was notified that the Lane Trust planned to separate the power supply for the remediation system from that supplying the retail store. The soil vapor extraction system and air sparging system are scheduled to be restarted by mid September. If the current property owner takes an action that results in stopping remediation, Board staff will consider amending the cleanup and abatement order to add the current owner of the property as a responsible party.

3. ***Geomorphic & Ecological Fundamentals for Stream and River Restoration Course*** - *Carly Nilson and Laurie Scribe*

The week of August 16 - 20, 2010, two Lahontan Water Board staff and one Board member attended a course at the UC Berkeley Sagehen Field Station located about 10 miles north of Truckee. The weeklong training included lecture, field tours, and group practicum. The instructors came from a broad range of fields, including university professors, graduate students, and consulting firms. The attendees of the course also came from a diversity of fields, including the

U.S. Army Corps of Engineers, California and Alaska Department of Fish and Game, the Natural Resources Conservation Service, consulting firms, and The Nature Conservancy, among others. Because the participants came from different backgrounds and places, the multitude of issues faced in other regions for stream restoration was highlighted. For example, in the Pacific Northwest, stream restorations are quite often the product of re-establishing fish habitat.

The course included many topics: sediment transport in streams, floods and floodplains, channel classification, aquatic ecology, channel complexity, hydraulic conductivity, and restoration projects. Along with lectures, the class visited the Little Truckee River to observe the plug and pond project in Perrazzo Meadow and the Truckee River near Reno to see three different river stretches and how use affects restoration processes. In the Tahoe Basin, the class traveled to Blackwood Creek and Meeks Creek. The course illuminated the importance of understanding the goal of the restoration before beginning the project, knowing when a restoration is necessary, the impacts of altering natural river processes, and what techniques to employ to be successful.

4. ***Status of Local Technical Assistance Grants Activities from April to September 2010*** - *Cindy Wise*

Regional and State Water Board staff coordinate to implement the Water Boards' financial assistance programs that include loan and grant funding for watershed protection projects, nonpoint source pollution control projects, construction of municipal sewage and water recycling facilities. This is an update of grant/loan program activities in our Region, followed by a table of the local technical assistance projects that are currently managed by Regional Water Board staff.

Clean Water State Revolving Fund (CWSRF) Program

The CWSRF program provides low-interest loans for the construction of wastewater and water recycling facilities, municipal landfill treatment systems, implementation of non-point source projects and programs; and stormwater treatment projects. It is funded by federal grants, state bond funds, local match funds, repayments, and revenue bonds. Ten projects are proposed for loan funding in the FY 10-11 SRF annual business plan in our Region. They include wastewater treatment plant expansions, regulatory upgrades, stormwater treatment and erosion control projects. Once the project applications are completed and ready for funding, the projects will be managed by State Board staff. The ten SRF projects are: Placer County (three projects for a total of $ 6.8M - Brockway Erosion Control, Bear Watershed Improvements, Coon Clean Water Pipe); South Tahoe Public Utility District (five projects for a total of $12.89M -WWTP headworks replacement, pump station, pond liner replacement, emergency retention); Susanville Consolidated Sanitary District (one project for $1.5M - filtration and reclamation); and Victor Valley Wastewater Reclamation Authority (one project for $24.33M - regulatory upgrades)

Integrated Regional Water Management (IRWM) Grant Program

The IRWM Grant Program provides grants for projects intended to promote and practice integrated regional management of water for both quality and supply. Since the inception of the program, two IRWM implementation

grants were awarded in the Region -- $12.5M to the Tahoe-Sierra IRWM Group administered by State Board staff and $25M to the Mojave IRWM administrated by Department of Water Resources (DWR.) DWR staff is recommending an additional $2,115,272 in IRWM funding for the Tahoe Sierra Group. In addition to the Tahoe-Sierra and Mojave Groups, two other IRWM groups in the Region are the Antelope Valley and Inyo-Mono (includes Amargosa.) Lassen County has begun its preparation of materials for DWR approval as a new IRWM geographic area in our Region. The next IRWM solicitation will be administered by the DWR (with input from State and Regional Board staff). This process has started and is currently soliciting applications for funding to update IRWM plans. This will be followed later in the year by a solicitation for implementation projects.

Proposition 84 Storm Water Grant Program

The Proposition 84 Storm Water Grant Program (SWGP) will provide $82.35 million in matching grant funds available to local public agencies for projects that reduce and prevent pollution of rivers, lakes, and streams from discharges of storm water. The final guidelines for the SWGP were adopted by the State Water Board in February 2009, but solicitations for the Proposition 84 SWGP are on hold pending future sales of state bonds.

Proposition 84 Agricultural Water Quality Grant Program

The State Water Board's Agricultural Water Quality Grant Program (AWQGP) includes approximately $13.7 million in Proposition 84 bond funds. The State Water Board approved a list of proposals for funding from the AWQGP that included $1 million for a Lahontan project titled *Grazing Management Practice Implementation and Assessment in One or More Targeted Watersheds in the Lahontan Region (Walker River, Carson River, Susan River and Owens River.)* Regional Water Board staff is developing the grant agreement necessary to get this project started.

319 Nonpoint Source Implementation Grant Program

This is the federal grant program for nonpoint source pollution control projects. Two projects in the Lahontan Region were selected for funding in May. The next project solicitation is underway with project concept proposals due in September.

Other Grant Information

Web Site and Electronic Mailing List
http://www.waterboards.ca.gov/water_issues/programs/grants_loans/ is the link from the State Water Board's web page for information on current and upcoming grants.
http://www.waterboards.ca.gov/lyrisforms/swrcb_subscribe.html is the link to subscribe electronically to the grants mailing list to receive notification of new grant information by selected program.

Grants Roundtable Meetings

This forum continues to meet every few months to discuss grant-related issues. It includes a representative from each Regional Water Board and staff from the State Water Board. The forum last met July 28 and mainly discussed staff grant management training needs. The next meeting will likely be in December.

GRANT PROJECTS CURRENTLY MANAGED BY REGIONAL BOARD STAFF

Fund	Title	Recipient	Amount
Proposition 13	Palmdale Ditch Resource Management Plan and Program (project completed and waiting final payment before closure)	Palmdale Water District	$1,512,250
319 Nonpoint Source	Indian Creek Reservoir TMDL Mitigation	South Tahoe Public Utility District	$609,166
319 Nonpoint Source	Lake Tahoe BMP Implementation and Effectiveness	Tahoe Regional Planning Agency	$770,489
319 Nonpoint Source	Homewood Watershed Improvement/TMDL Implementation Pilot Study	Tahoe Resource Conservation District	$650,000
319 Nonpoint Source	Reducing Sediment Loads through Residential BMPs – Middle Truckee River TMDL	Sierra Nevada Alliance	$485,000
319 Nonpoint Source	Coldstream Canyon Floodplain Restoration	Truckee River Watershed Council	$250,000
319 Nonpoint Source	Squaw Creek Restoration Preliminary Design ($53,000 in additional funds likely to be added to this project)	Placer County	$71,946
Proposition 84	Grazing Management Practice Implementation and Assessment in One or More Targeted Watersheds in the Lahontan Region	Sierra Business Council	$1,000,000
Total of Current Projects:			**$5,348,851**

5. ***Semiannual Status Report on Basin Plan Amendments-*** *Judith Unsicker*

Lake Tahoe Total Maximum Daily Load (TMDL). Written comments from nine interested parties on the draft TMDL and supporting documents were received by the September 13, 2010 deadline. Staff will respond in writing to these comments and prepare final staff recommendations. Water Board action on the Basin Plan amendments is planned for the November meeting.

Pesticide Amendments. Release of public draft plan amendments and a substitute environmental document is currently planned for mid-October 2010. Public hearings are planned in early 2011, with Water Board action by March 2011.

Prohibition/Forestry Amendments. As now proposed, these amendments would involve comprehensive revisions of Basin Plan Sections 4.1 and 5.2 to simplify and clarify existing language on waste discharge prohibitions and exemptions, and to add some new exemption categories and criteria. Existing language on forest management in Chapters 4 and 5 would also be revised and updated. Early consultation with stakeholders is planned for late fall of 2010. The tentative schedule includes release of public drafts in early 2011 with Water Board action in June 2011.

Lake Tahoe Shorezone Amendments. The proposed Basin Plan amendments would remove prohibitions on new piers in spawning habitat. Staff work on the amendments has been suspended pending the resolution of litigation against the Tahoe Regional Planning Agency's (TRPA's) shorezone program.

Other Planning Projects. During this fiscal year Water Board staff will review the Victor Valley Wastewater Reclamation Agency's Mojave River Characterization Study to evaluate the adequacy of existing information and data to form the basis for the revision of water quality objectives for the Mojave River. Water Board staff will also be coordinating with U.S. Navy staff regarding proposed Basin Plan amendments to remove Municipal and Domestic Supply (MUN) beneficial use designations from specific groundwater basins in the Indian Wells Valley and Salt Wells Valley within the Naval Air Weapons Station at China Lake. Schedules for the completion of draft Basin Plan amendments for these projects have not yet been determined.

6. ***Bridgeport Grazing Waiver Status, Mono County -*** *Bruce Warden*

The Water Board issued a waiver of Waste Discharge Requirements (waiver) for livestock grazing in the Bridgeport Valley in 2007. All ranchers in the Bridgeport Valley submitted grazing waiver applications by the December 2007 deadline. All enrollees, as members of the Bridgeport Ranchers Organization, have the option of submitting monitoring reports as a group, on a watershed basis, or individually on waters entering and leaving their ranches. They have chosen to submit monitoring reports from the 12 monitoring stations in the Bridgeport Valley watershed, as a group. Monitoring consists of monthly fecal coliform analyses, April through November. They have been submitting water quality monitoring reports after every grazing season, beginning in 2008, and continuing to present.

The waiver also requires that each enrollee submit a Ranch Water Quality Monitoring Plan (RWQMP). All seven enrollees—Centennial Ranches, FIM Corp-Lower Summers Meadows, FIM Corp-Bridgeport Ranch, FM Fulstone, Inc., Gansberg Ranch, Point Ranch –

Sceirine, and Hunewill Land & Livstock Co--- submitted their respective plans on or before the December 15, 2007 due date. Annual or biennial submittal of updated water quality management plans is required, depending on the level of Ranch Water Quality Training received in the last five years. The waiver does not require submittal of this update by a specific date. The waiver requires that enrollees annually certify, by March 15 of each year, that they are in compliance with the RWQMP, which logically would include any updates needed. Two enrollees have yet to submit their RWQMP for the 2009/2010 season. Water Board staff have notified these two enrollees why failed to submit their RWQMP and requested the updated information.

SOUTH BASIN

7. ***Rand Historic Mining Complex, Bureau of Land Management*** – *Jan Zimmerman*

The United States Bureau of Land Management (BLM) is conducting a Remedial Investigation (RI) / Feasibility Study (FS) of three legacy mines, identified as the Rand Historic Mining Complex (Complex), located on BLM-managed lands within the Rand Historic Mining District of Kern and San Bernardino Counties. The mines under investigation include the Kelly Silver Mine near Red Mountain, the Yellow Aster Gold Mine near Randsburg, and the Val Verde and Marigold Claim Mines north of the town of Johannesburg. BLM is conducting the RI/FS in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act, as amended by the 1986 Superfund Amendments and Reauthorization Act. The population of the three communities is approximately 265 people.

Mining in the Complex is believed to have originated during the late 1800's and continued for several decades. Today, more than 14 adits and 53 mine shafts have been identified in the Complex. The Kelly Mine tailings impoundment is estimated at 86,000 cubic yards of material, and an additional 96,000 cubic yards of tailings, believed to have originated from the Kelly Mine, have been identified in the nearby Red Mountain Wash. Tailings in Red Mountain Wash have been transported more than 12 miles downgradient from the mine site. The Descarga tailings impoundment, located at the Yellow Aster Gold Mine, contains the largest amount of tailings and is estimated at approximately 1.6 million cubic yards. Historically, Fiddler Gulch was once filled with tailings from the Yellow Aster Gold Mine. The majority of these tailings has since been eroded and transported downgradient; approximately 40,000 cubic yards of tailings remain in Fiddler Gulch today. In the Johannesburg area, nearly 30,000 cubic yards of mill tailings and mine waste rock have been identified at the two mining sites.

The ore bodies in the Complex are known to contain high concentrations of naturally occurring arsenic. The milling operations have concentrated the arsenic. Arsenic concentrations in the Complex tailings range from approximately 3,700 milligrams per kilogram (mg/kg) in the Johannesburg area to over 17,000 mg/kg in tailings from the Yellow Aster Gold Mine. Wastes with concentrations of arsenic greater than 500 mg/kg are considered to be hazardous wastes.

Arsenic has been identified as the main risk driver in both the human health and ecological risk assessments completed as part of the RI. Because the extent of arsenic contamination is concurrent in areas where other constituents exceed background levels, arsenic is being used as a surrogate for all constituents. The RI is still ongoing and the nature and extent of risk associated with the mine sites is still under investigation. A draft RI is expected to be distributed for public comment and agency review early 2011.

Following the RI and as part of the FS, the BLM will be developing applicable or relevant and appropriate requirements (ARARs), particularly ARARs applicable to mining waste in conjunction with State and Federal regulations. The FS will focus on developing and evaluating potential remedial alternatives capable of attaining both Federal and State ARARs.

8. ***City of Barstow Compliance with Enforcement Orders*** – *Ghasem Pourghasemi*

The City of Barstow (City) is implementing projects to comply with the following Orders:

1) 13267 Investigative Order for groundwater investigation,

2) Investigative Order for installation of additional monitoring wells,

3) Cleanup and Abatement Order, and

4) Cease and Desist Order to achieve compliance with the Waste Discharge Requirements (WDRs) for the Barstow Wastewater Treatment Plant.

Groundwater Investigation

In order to delineate the nitrate plume in the groundwater and accurately establish nitrate background concentrations, an Investigative Order was issued to the City in February 2009. The Investigative Order requires the City to construct additional wells along the Soapmine Road area to determine the extent of plume. Additional wells are required near the wastewater treatment facility to determine the background nitrate concentrations and to determine the groundwater flow direction on the south side of the Mojave River. Monitoring well construction was completed in January 2010.

Based on this data, the first and second quarterly monitoring reports submitted by the City delineated the plume in the Soapmine Road as one contiguous plume rather than three separate plumes as delineated in prior reports. After reviewing the Background, Seasonality and Migration report, Water Board staff accepted an interim background nitrate as N concentration of 6.5 milligram per liter (mg/L) for the shallow groundwater zone in the Soapmine Road area, 10 mg/L for the shallow groundwater zone and 6 mg/L for the intermediate groundwater zone on the south side of the Mojave River.

The City submitted its final Remedial Action Plan (Plan) on June 1, 2010. This Plan incorporates information from the pilot study of a groundwater pump and treat system. Water Board staff met with the City to discuss the submitted technical report in August. After review of the Plan, Water Board staff determined that additional information is required and will be requesting the City revise its Plan to incorporate the required information.

Plant Upgrade

The City completed the upgrade of the wastewater treatment plant in July 2009 and monthly reports indicate that the facility is in compliance with the WDRs. Nitrate concentrations in the effluent are below 10 mg/L and total nitrogen was less than 12 mg/L for the last 12 months of operation.

Soapmine Road Replacement Water

The City continues to conduct residential well sampling of the 40 drinking water wells in the Soapmine Road area, as required by the Cleanup and Abatement Order (CAO). Currently, the City is supplying 35 residences with uninterrupted replacement water service (bottled water) for residences where nitrate has been detected at concentrations at or exceeding mg/L nitrate-as N. The analytical results for the second quarter of the 2010 monitoring event show that five private wells exceeded the maximum contaminant level (MCL) for

nitrate-as N of 10 mg/L and a total of 19 private wells exceed 5 mg/L.

9. ***Dairy Update*** - *Ghasem Pour-ghasemi*

N&M Dairy

Residents near the N&M Dairy complained to Water Board staff in April and early May, 2010 stating that the area was infested with flies and permeated with foul odors. The residents asserted that these conditions prevented them from the free use of their property. The Assistant Executive Officer issued a CAO to the owners of the dairy and required the dairy to correct the problem by cleaning up the ponds and removing improperly stored manure piles from the dairy site. The manure removal is in progress.

The Cleanup and Abatement Order also requires N&M Dairy submit a nutrient management plan and best management practice plan by October 7, 2010.

On July 28, 2010, Water Board staff inspected the dairy and observed that corrals were mostly cleaned and that the fly population appeared to be less than during previous inspections. Water Board staff contacted the complainants and they stated they were satisfied with the outcome.

Groundwater Sampling

During an April 2010 Water Board staff public meeting concerning the PG&E Hinkley chromium issue, several residents near the dairies in the Helendale and Hinkley areas requested that their private wells be sampled. In response, Water Board staff sampled groundwater supply from four residences (two on Summerset Road, one on Hinkley Road, and one on Dixie Road) in June 2010. The sampling and analysis indicated that one residence well exceeded the Maximum Contaminant Level (MCL) for nitrate and results for the other residents were below the MCL. Results of the analyses were mailed to the residents. A nitrate fact sheet was provided to the residence where results exceeded the MCL.

Dairy Strategy

Water Board staff is implementing the Dairy Strategy discussed with the Board in May. As part of the strategy, staff is preparing a 13267 Order to send to several dairies requiring them to conduct water sampling analyses of the residential wells in the vicinity of their dairies. By end of 2010, Water Board staff will require all dairies to develop and submit nutrient management plans by future specified dates.

10. ***County Sanitation District No. 14 of Los Angeles County (District), Lancaster Water Reclamation Plant, Los Angeles County*** – *Mike Coony*

The Water Board adopted an Amended Cease and Desist Order (CDO) for the District in November, 2007. A final compliance date of November 1, 2010 is included in the Amended CDO requiring the District to eliminate the effluent-induced overflows from Piute Ponds to Rosamond Dry Lake. The District awarded two construction contracts for facilities needed to achieve final compliance; one for four lined storage reservoirs and the other for a tertiary treatment plant with nitrogen removal and a treatment capacity of 18 million gallons per day. Completion of the tertiary treatment plant will allow the District to divert additional effluent for reuse rather than disposal.

The project schedule has been impacted by several factors including the need for installation of temporary dewatering

systems for digester construction. The contractor has also revised the schedule to reflect required re-sequencing for testing of equipment and control systems. Rain delays have also impacted the schedule.

With the scope of construction remaining, the District is not likely to complete construction and start tertiary treatment operations on November 1, 2010. As a result, the District has verbally requested relief from the final compliance date. In discussions with Water Board staff, the District expects it will not achieve final compliance until April, 2011. Water Board staff is evaluating this request and will have a recommendation for the Water Board at a future meeting. The CDO also includes interim standards requiring the District to divert specific amounts of effluent that would otherwise be discharged into Piute Ponds. The District is in compliance with the diversion interim standards. A table showing the status of compliance is included at the end of this report.

11. ***County Sanitation District No. 20 of Los Angeles County (District), Palmdale Water Reclamation Plant, Los Angeles County, Cease and Desist Order*** – *Mike Coony / Linda Stone*

The Water Board adopted an Amended Cease and Desist Order (CDO) for the District in November, 2007. The Amended CDO requires the District to achieve final compliance with Waste Discharge Requirements by June 18, 2010 by halting discharges of nitrogen to groundwater that create a condition of pollution or that are in violation of Basin Plan water quality objectives.

To achieve compliance, the District constructed synthetic-lined storage reservoirs. The District began storing secondary effluent in the reservoirs in mid December, 2009. Storage of this effluent eliminated the need to discharge this effluent at the effluent management site in excess of agronomic rates during the winter of 2009/10. The District reports it is in compliance with the CDO because it now has the capability to discharge agronomic rates, and has requested the CDO be rescinded. Water Board staff is evaluating the District's request and will have a recommendation at a future Water Board meeting.

The District is also constructing a tertiary treatment plant with nitrogen removal at the existing treatment plant site. The project is on schedule.

Cleanup and Abatement Order

The Cleanup and Abatement Order (CAO) requires the District to develop a plan to contain and eliminate nitrate contamination in groundwater resulting from the previous long-term land application of Palmdale Treatment Plant effluent. Water Board staff is reviewing the data and has yet to accept the plan.

The District developed the plan using its proposed feasibility criteria for selection of remediation alternatives. The most recent plan, Containment and Remediation Plan Supplement No. 4, includes an updated mathematical modeling and analysis plan of cleanup alternatives. In each of the four alternatives nitrate background levels (5 to 6 mg/L) would be achieved over a 55-year period. Staff is reviewing the plan, and is evaluating the District's feasibility criteria to determine if a different remediation method would result in a quicker nitrate reduction.

A table showing the status of compliance is included at the end of this report.

12. ***Desert View Dairy, San Bernardino County*** - *Lisa Dernbach*

As of early September, the responsible parties for the Desert View Dairy are in violation of requirements in an investigative order requiring submittal of technical reports to the Water Board. In July 2010, the responsible parties were ordered to submit a plan and schedule for providing interim water supply for all indoor and outdoor domestic uses to four off-site residences whose supply wells are polluted with nitrates and other constituents. The responsible parties for the discharge include the operator, Paul Ryken and the Nick Van Vliet Estate, the land owner, Pacific Gas and Electric Company, and a former operator, Flameling Dairy. Mr. Ryken and the Nick Van Vliet Estate filed petitions of the investigative order and requested that the State Water Board hold them in abeyance.

While a letter from the Dairy containing a plan and schedule to provide interim water supply was submitted, it was deemed inadequate by Board staff. The plan proposed to provide potable water to the affected residents but did not state the source of supply water, the quality of the water, provide licensing of the water-supply truck, nor certification that the storage tanks were suitable for potable water. Board staff made repeated requests for this information throughout the month of August but only received information on the supply well location and storage tank certification. Water Board staff issued a Notice of Violation to the responsible parties in September.

In the meantime, the responsible parties went forward and implemented their proposal. In early August, water was being trucked to the affected residents and stored in on-site tanks. Water Board staff informed the residents that appropriate documentation has not been provided for the water and we could not verify its quality. Three of the residents are using the water for domestic uses other than drinking and cooking while the fourth resident has decided to wait for confirmation of water quality results. In compliance with an earlier Water Board order, the responsible parties continue to provide bottled water to the affected residents for drinking and cooking purposes.

Board staff will continue to work with the responsible parties to provide the necessary documentation for interim water supply. The next submittal by the parties is a technical report, due by November 8, 2010, containing a recommendation for permanent alternate water supply to affected residents.

SCHEDULE OF TASKS
LANCASTER WATER RECLAMATION PLANT (LWRP)
COUNTY SANITATION DISTRICT NO. 14 OF LOS ANGELES COUNTY (DISTRICT)

PERFORMANCE TASK	DUE DATE	STATUS
Required by Waste Discharge Requirements Board Order R6V 2002-053 Board Order R6V 2002-053A1 (Adopted 7/13/2005)		
Nuisance Condition		
II.B.4. - Complete project to eliminate nuisance condition created by effluent induced overflow from Piute Ponds to Rosamond Dry Lake	August 25, 2005	(Extended under Cease and Desist Order R6V-2004-0038A1)
Required by: Waste Discharge Requirements Board Order R6V 2002-053A2 (Adopted 3/14/2007)		
Engineering Reports (Tertiary Treatment Plants)		
II.B.1. – Acceptance of engineering report for 18-mgd tertiary treatment plant by Executive Officer.	Before discharging from plant	
II.B.2. – Acceptance of engineering report for MBR tertiary treatment plant with UV disinfection by Executive Officer.	Before discharging from UV system	Issued July 9, 2009
Farm Management Plan (Agricultural Site)		
II.C.1. – Submit farm management plant for Fields 7 & 8, and 11 – 20	Submit report nine months before irrigation in fields	Met
Vadose Zone Monitoring (Agricultural Site)		
II.D.1. – Submit vadose zone monitoring plan (if an alternate plan is proposed) for Fields 1 - 6, 9 & 10	June 14, 2007	Met
II.D.1. – Implement vadose zone monitoring plan for Fields 1 - 6, 9 & 10	March 14, 2008	Met
I.H.3. (MRP) – Submit vadose zone monitoring plan for Fields 7 & 8 and 11 – 20	One year before irrigation	Met
Groundwater Monitoring (Agricultural Site)		
II.E.1. – Complete groundwater sampling for data needed to calculate existing water quality for Fields 1 through 8	June 30, 2007	Met
II.E.1. - Submit results of calculations for determining existing water quality for Fields 1 through 8	October 30, 2007	Met
II.E.2.a. - Submit workplan for installing additional monitoring wells for Fields 9 through 12	April 20, 2007	Met
II.E.2.a. - Complete installation of additional monitoring wells for Fields 9 through 12	June 15, 2007	Met
II.E.2.b. – Complete groundwater sampling for data needed to calculate existing water quality for Fields 9 through 12	September 30, 2007	Met

PERFORMANCE TASK	DUE DATE	STATUS
II.E.2.b. - Submit results of calculations for determining existing water quality for Fields 9 through 12	January 30, 2008	Met
II.E.3.a. - Submit workplan for installing additional monitoring wells for Fields 13 through 20	Submit report one year before irrigation in fields	Met
II.E.3.b. - Submit results of calculations for determining existing water quality for Fields 13 through 20	Complete before irrigation in fields	
Abandoned Wells (Agricultural Site)		
II.F. – Submit report demonstrating that destruction of abandoned wells have been completed for Fields 13 – 20	Submit report three months before irrigation in fields	
Run On and Run Off Controls (Agricultural Site)		
II.G.1. – Submit report demonstrating that run on and/or run off controls have been implemented for Fields 1 - 6	Submit report one month before irrigation in fields	Met
II.G.1. – Submit report demonstrating that run on and/or run off controls have been implemented for Fields 7 - 20	Submit report one month before irrigation in fields	Submitted report for Fields 11 and 12
Required by: Waste Discharge Requirements Board Order R6V 2006-0051		
II.A. - Submit workplan for installing additional monitoring wells for the proposed storage reservoirs	April 9, 2007	Met (Submitted 16 days late)
II.B.1 - Submit the final design for the proposed storage reservoirs	Before constructing the reservoirs	Met
II.B.2 - Submit a construction QA/QC program for the proposed storage reservoirs	Before constructing the reservoirs	Met
II.B.3 - Submit certification that proposed reservoirs were constructed as proposed	Before use of the reservoirs	
Required by: Cease and Desist Orders Board Order R6V-2004-0038 Board Order R6V-2004-0038A1 (Adopted 11/29/2007)		
I.A. – Divert 24 MG of effluent and discharge to an alternative legal disposal point (e.g., Apollo Park) other than Piute Ponds (Note: Contained in R6V-2004-0038. Not rescinded.)	Between December 1, 2004 and Mar 31, 2005	Less than 24 MG diverted
II.A. – Divert 192 MG of effluent that would otherwise be discharged to Piute Ponds and dispose of this volume at an alternative legal point of disposal.	Between April 1 and October 31 of each year	Met. In 2008, diverted 274 MG. In 2009, diverted 242 MG.

PERFORMANCE TASK	DUE DATE	STATUS
II.B. – Divert the effluent volume (calculated as specified in CDO) that would otherwise be discharged to Piute Ponds and dispose of this volume at an alternative legal point of disposal. Calculated volume equals 156 MG minus an adjustment if there is above-average rainfall.	Between November 1 and March 31 of the following year	Met in 2007-08, 2008-09, and 2009-10.
III. – Eliminate the effluent-induced overflows from Piute Ponds to Rosamond Dry Lake	November 1, 2010	Not likely to meet. Projected completion date is late spring 2011.
V. – Submit quarterly status reports until final compliance achieved	February 1, May 1, August 1, and November 1	Ongoing

S:\EO Rpt - 2010\10-OCT 2010\EoRptLancasterTbl.doc

SCHEDULE OF TASKS
PALMDALE WATER RECLAMATION PLANT (PWRP)
COUNTY SANITATION DISTRICT NO. 20 OF LOS ANGELES COUNTY (DISTRICT)

PERFORMANCE TASK	DUE DATE	STATUS
Required by Cease and Desist Orders R6V-2004-039 and R6V-2004-039-A01		
II. Interim Corrective Measures — **Limit Excess Nitrogen** at the Effluent Management Site:		
» In 2007, the limit was 125.4 tons	Feb 1, 2008	Met. District released 91.1 tons.
» In 2008, the limit was 129.2 tons	Feb 1, 2009	Met. District released 100 tons.
» In 2009, the limit was 135.7 tons	Feb 1, 2010	Met. District released 84 tons.
III. **Achieve final compliance** » Irrigate crops at the Effluent Management Site during the 2010 summer season that do not exceed the water or agronomic rates; and » completing storage impoundments, force man, and pump station facilities	June 18, 2010	District began effluent storage in mid Dec 2009. District reports meeting agronomic rates in 2010 to date. Water Board staff is evaluating application rates for achievement of final compliance.
V.A. **Submit quarterly status report** » Reports must include analysis towards completing facilities » Report must include an Excess Nitrogen statement for 2009	Feb 1, 2010	Met.
V.B. **Complete treatment plant construction**	July 25, 2011	Expected to meet
Required by Cleanup and Abatement Order R6V 2003-056		
Plume Delineation		
1.1.1 – Submit a plan to delineate the nitrate plume to background levels	Feb 16, 2004	Met
1.1.2 – Complete plume delineation	Aug 15, 2004	Not Completed — In progress
Plume Containment		
1.2.2 - Submit a final plan (including extraction well locations and pumping rates) and time schedule for containing the plume	Sept 15, 2004	Met
1.2.3 – Achieve plume containment	Sept 30, 2005	Not met
Plume Remediation		
1.3.1 - Submit a plan describing the proposed plume remediation describing how ground water will be restored to background or propose alternative cleanup levels pursuant to SWRCB Resolution 92-49	Sept 15, 2004	Not met - In progress
1.3.2 – Implement the proposed plan for ground water extraction and agricultural irrigation (or an equally acceptable alternative)	Sept 15, 2005	Not met — In progress
Abatement		
2.1 – Submit a plan describing proposed abatement actions	March 31, 2004	Met

PERFORMANCE TASK	DUE DATE	STATUS
Reporting 3.2 – Submit quarterly status reports until remediation is complete including actions completed in the last three months and expected in the next three months report	February 1, May 1, August 1, and November 1	Ongoing
Required by: Monitoring and Reporting Program 00-57-A01, -A02, -A03, -A04 (Effluent Management Site)		
A01/II.A.1 & A02/2 – Submit a Sampling and Analysis Plan	March 31, 2004	Met
"	June 1, 2004	Met
II.A.3. – Submit a Wind Speed Monitoring Plan	March 31, 2004	Met
I.E.4. – Report Completion of Removing Old Vadose Zone Monitoring System	Jan 1, 2006	Met
I.G.1. – Submit an Annual Cropping Plan	Nov 15	Ongoing
II.B.1 – Submit Monthly Reports for - Facility Influent Monitoring - Facility Effluent Monitoring - Operation and Maintenance - Biosolids Disposal	1st working day of 2nd month following each monthly reporting period	Ongoing
II.B.2 – Submit Quarterly reports for Groundwater Monitoring Effluent Management Site Monitoring Vadose Zone Monitoring Effluent Management Site Operations Chemical Use Monitoring	1st working day of 2nd month following each quarterly reporting period	Ongoing
II.B.3. – Submit Annual Reports for Operations & Compliance Summary Certified Operator status Health and Safety Compliance Chemical Use Monitoring Federal Biosolids Report	March 1	Ongoing
Required by Board Order 6-00-57-A04 (Storage Reservoirs)		
Provision II.A.1. – Submit work plan for groundwater monitoring system	Nov 30, 2007	Met
Provision II.A.2. – Submit site hydrogeologic investigation report and work plan for groundwater compliance monitoring well installation	Dec 31, 2008	On Oct 10, 2008, work plan accepted vadose zone monitoring system in lieu of monitoring wells.
Required by Resolution No. R6V-2005-0010		
A. - Discharger should initiate cleanup project to reduce nitrate concentrations in groundwater to less than 10 mg/L as N, as soon as possible	As soon as possible	In progress
B. - Discharger should submit an evaluation for additional options for remediation of groundwater after the 10 mg/L as N level is achieved. Focus should be on less than 2 mg/L as N (background), which will be used to establish the final cleanup standard	Apr 13, 2006	Not met — further analysis on-going

ENCLOSURE 3

Notification of Spills
(Unauthorized Waste Discharges)

EO'S Monthly Report
08/16/10 - 09/15/10
Unauthorized Waste Discharges

COUNTY: KERN

Discharger/Facility	Location	Basin	Regulated Facility	Substance Discharged	Spill Date	Discharge Volume	Description of Failure	Discharge To	Status
Rio Tinto Minerals / US Borax	Old Stormwater system, US Borax, Boron	S	Y	Sump water with arsenic	8/26/2010	20,000 Gallons	Power failure for approximately one hour resulted in the process sump shutting down, which caused an overflow into a ditch and unlined impoundment, for a total release of 4.46 pounds of arsenic.	Ground	Area of impact delineated. Samples collected. Company contracted to clean up area, which will commence by mid-October. Notice of Violation will be issued requesting a plan be submitted by November 27, 2010, describing steps to prevent reoccurrence.
Luz Solar Partners / 41100 HWY 395, Boron, CA 93516	SEGS III Piping	S	Y	Heat Transfer Fluid Therminol	8/27/2010	600 Gal	600 Gallons Therminol spilled to ground, standard cleanup procedures followed, contaminated soil. Excavated and discharged to On-Site Land Treatment Unit.	Permitted On-Site Land Treatment Unit	Oil contaminated soil excavated and discharged to permitted on-site land treatment unit for biodegradation.

COUNTY: PLACER

Discharger/Facility	Location	Basin	Regulated Facility	Substance Discharged	Spill Date	Discharge Volume	Description of Failure	Discharge To	Status
Northstar Community Services District / 908 North Star Drive	Intersection of Northstar Dr. and Beaver Pond	N	Y	Sewage	8/19/2010	200-600 Gallons	Sewer line became clogged from fats, oil, and grease accumulation and sewage backed up and flowed out of manhole.	Ground	Limed the area. No further action.

010023

COUNTY: SAN BERNARDINO

Discharger/Facility	Location	Basin	Regulated Facility	Substance Discharged	Spill Date	Discharge Volume	Description of Failure	Discharge To	Status
City of Hesperia / Sanitary Sewer System	4th & Mauna Loa, Hesperia	S	Y	Sewage	8/17/2010	731,722 Gallons	Paving company ran over manhole, pushing ring cover off. Asphalt entered sewer line through manhole, creating a blockage. The wastewater was redirected back to the sewerline through another manhole.	Ground	Blockage cleared. 10,977 gallons of wastewater lost to percolation in the ground. Contaminated soil excavated. Spill site backfilled with non-contaminated soil. No further action recommended.
VVWRA / Victor Valley Wastewater Reclamation Authority	Mojave River, Victorville	S	Y	Non-dechlorinated tertiary wastewater	8/22/2010	110,700 Gallons	After wastewater passes through analyzers located at the chlorine contact chamber, it is then collected in a sump to be returned to the treatment plant headworks. The float switch that turns the pumps on failed, causing a rise in water level to the overflow structure that discharges to the Mojave River.	Mojave River	The discharger will implement daily rounds of checking the storm drain discharge for any water flowing into the river. Additional plans include upgrading the existing control plan and constructing containment for potential spills. Notice of Violation issued.
City of Victorville / Sewer System	16241 Victor Street, Victorville	S	Y	Sewage	8/31/2010	1,600 Gallons	A blockage in the line resulted in a release to the street.	Ground	The spill was contained in the street and gutter.Disinfected with spectracide (chlorine based). No further action recommended.

010024

ENCLOSURE 4

Notification of Closure of Underground Storage Tank Cases

010025

CASE CLOSURE REPORT
October 2010
State of California
Lahontan Regional Water Quality Control Board

Date Closure Issued	Site Name	Site Address	Case Number	Case Type	Remaining Groundwater Concentrations above Water Quality Objectives (in ug/L)	Remaining Soil Concentrations (in mg/Kg)	Distance from Site to Nearest Receptor	Remedial Methods Used
September 3, 2010	Northstar at Tahoe Service Station	200 Northstar Drive, Truckee	6T0244A	UST	120 TPHg 130 MTBE	16 TPHg 0.14 MTBE	>1 mile	Excavation, Dual Phase Extraction, Chemical Oxidation
September 3, 2010	Caltrans Woodfords Maintenance Station	18935 Highway 88, Woodfords	6T0103A	UST	6,400 TPHg 2,400 TPHd	397 TPHg 120 TPHd	W. Fork of Carson River is ~250' south	Excavation, enhanced biodegradation
September 14, 2010	Alpine Meadows Maintenance Area	2600 Alpine Meadows Road, Alpine Meadows	6T0230A	UST	2,300 TPHg 540 TPHd	3,200 TPHg 4,800 TPHd (1999)	Bear Creek is ~700' north	Excavation, Chemical Oxidation, Permeable Reactive Trench

Notes:
TPHd - Total petroleum hydrocarbons quantified as diesel
TPHg - Total petroleum hydrocarbons quantified as gasoline
TPHmo- Total petroleum hydrocarbons quantified as motor oil
MTBE- methyl tertiary butyl ether
TBA- tert butyl alcohol
ug/L = micrograms per liter
Receptor- surface water, private drinking water wells and municipal supply wells, etc.
NS- Not Sampled
NA- Not Applicable
ND- Not Detected
UST-Underground Storage Tank
SCP-Site Cleanup Program