

**STATE OF CALIFORNIA
REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION**

STAFF REPORT FOR REGULAR MEETING OF DECEMBER 1, 2011
Prepared November 3, 2011

ITEM NUMBER: 6

SUBJECT: Low Threat and General Discharge Cases

DISCUSSION

The following items serve as notification that the subject sites have been enrolled under the noted general order.

Statewide General Waste Discharge Requirements for Small Domestic Wastewater Systems, Order No. 97-10-DWQ

The Vines RV Resort, Paso Robles, San Luis Obispo County
[David LaCaro 805/549-3892]

The Vines RV Resort proposed to install a small domestic wastewater treatment and disposal system. The facility will treat and discharge 10,800 gallons per day of domestic wastewater. Wastewater will be treated by a series of septic tanks located throughout the 2.5 acre parcel. Septic tank effluent will be discharged to a dual leachfield system.

On October 4, 2011, Water Board staff enrolled the facility under the statewide General WDRs. Only domestic wastewater treatment and disposal systems with a maximum average daily flow of 20,000 gallons or less can be regulated by these General WDRs.

The proposed discharge will comply with Water Board standards, prohibitions, and requirements to protect water quality. The Vines RV Resort is required to comply with the Monitoring and Reporting Program included with Order No. 97-10-DWQ.

General Waste Discharge Requirements for Discharges of Fruit and Vegetable Processing Waste, Order No. R3-2004-0066

La Panza Ranch/Olive Mill, Santa Margarita, San Luis Obispo County
[David LaCaro 805/549-3892]

La Panza Ranch/Olive Mill will process olives on a seasonal basis (10 to 12 days per year beginning in October 2011). Wastewater is generated from olive rinsing (approximately 1,200 gallons of fresh water per day) to remove dirt and other debris. The facility will generate approximately 4,200 gallons of process wastewater per day with a peak flow of approximately 5,200 gallons per day. All wastewater from the olive rinsing and olive processing is pumped into a 10,000-gallon storage tank to then be hauled off and put on roads for dust control. Some may be used to maintain the proper moisture in the pumice piles until they can be removed.

On September 14, 2011, Water Board staff enrolled the facility under the General WDRs. La Panza Ranch/Olive Mill is required to comply with the monitoring and reporting program included with the General WDRs.

General Waste Discharge Requirements for Discharges of Winery Waste, Order No. R3-2008-0018

Martian Winery, Los Alamos, Santa Barbara County [Sorrel Marks 805/549-3695]

On August 26, 2011, Water Board staff notified Martian Winery that it qualifies for enrollment under the small winery waiver of the General WDRs. Martian Winery is located at 8900 Alisos Canyon Drive, Los Alamos and will produce up to 10,000 cases of wine annually. Martian Winery's process wastewater will be treated using screening, settling, pH adjustment, and biological treatment. Up to 1,000 gallons per day of winery process wastewater will be treated and beneficially reused as irrigation, dust control, and frost and fire protection. Enrollment in the small winery waiver is limited to wineries producing no more than 10,000 cases of wine per year (among other conditions). Accordingly, Martian Winery is required to notify the Central Coast Water Board if it expands beyond that level of production.

La Barge Winery, Lompoc, Santa Barbara County [Sorrel Marks 805/549-3695]

On September 2, 2011, Water Board staff notified La Barge Winery that it qualifies for enrollment under the small winery waiver of the General WDRs. La Barge Winery is located at 2380 Sweeny Road, Lompoc and will produce up to 5,000 cases of wine annually. La Barge Winery's process wastewater will be treated using screening, settling, pH adjustment (if needed), and biological treatment. Up to 500 gallons per day of winery process wastewater will be treated and beneficially reused as landscape irrigation or discharged to leach field. Enrollment in the small winery waiver is limited to wineries producing no more than 10,000 cases of wine per year (among other conditions). Accordingly, La Barge Winery is required to notify the Central Coast Water Board if it expands beyond that level of production.

Emma Lily Vineyards, 2105 Dalhberg Drive, Morgan Hill, Santa Clara County [Cecile DeMartini 805/542-4782]

On September 16, 2011, Water Board staff enrolled Emma Lily Vineyards under the Small Winery Waiver pursuant to General Waste Discharge Requirements for Wineries, Order No. R3-2008-0018 (General WDRs) on. Emma Lily Vineyards is located at 2105 Dalhberg Drive in Morgan Hill, in Santa Clara County. Emma Lily Vineyards expects to produce up to 350 cases of wine annually. Peak process wastewater flows will be approximately 15 gallons per day. Depth to groundwater is greater than 50 feet. The Water Board may revoke this waiver and prescribe Waste Discharge Requirements at any time if Emma Lily Vineyards fails to comply with the Prohibitions, Recommendations, and Specifications of the General Waste Discharge Requirements for Discharges of Winery Waste. This enrollment expires September 16, 2016, or when wine production exceeds 10,000 cases per year, whichever is sooner.

Michael Rose Cellars, San Miguel, Monterey County [Tom Kukol 805/549-3689]

On October 11, 2011, Water Board staff notified Michael Rose Cellars that it qualifies for enrollment under the small winery waiver of the General WDRs. Michael Rose Cellars is located on parcel APN#424-404-075-000, at 76845 Ranchita Canyon Road, in San Miguel. Michael Rose Cellars will produce up to 550 cases of wine annually. Michael Rose Cellars' process wastewater will be collected and recycled to two acres of vineyards. Enrollment in the small winery waiver is limited to wineries producing no more than 10,000 cases of wine per year (among other conditions). Accordingly, Michael Rose Cellars is required to notify the Central Coast Water Board if it expands beyond that level of production.

General Waiver of Waste Discharge Requirements for Specific Types of Discharges, Order No. R3-2008-0010Former Chevron Service Station #9-9156, 375 Fourth Street, Hollister, San Benito County (John Mijares 805-549-3696)

On August 5, 2011, Central Coast Water Board staff enrolled Chevron Environmental Management Company (Chevron EMC), the responsible party for the subject underground tank cleanup site, under the Central Coast Water Board's Resolution No. R3-2008-0010 General Waiver for Specific Types of Discharge (General Waiver). The General Waiver permits an In-Situ Chemical Oxidation (ISCO) remedial system using sodium persulfate for groundwater remediation at the subject site. The proposed ISCO implementation is described in SAIC Energy, Environment and Infrastructure, LLC's (SAIC) July 18, 2011, *Work Plan for In-Situ Chemical Oxidation Application (Workplan)*. SAIC will install one injection well within the backfill of the former underground storage tank cavity to inject sodium persulfate solution at a concentration of 20 grams per liter. SAIC estimates that approximately 25,000 gallons of sodium persulfate solution will be injected during the single proposed event. Central Coast Water Board staff approved the Workplan on August 5, 2011. SAIC submitted the application for the General Waiver, on behalf of Chevron EMC. The application provides the necessary information to fully comply with the requirements for enrollment under the Central Coast Water Board's General Waiver

This staff report serves as a notification to the Central Coast Water Board that Water Board staff has issued a Notice of Applicability to Chevron EMC to implement an ISCO remedial system using sodium persulfate injection for groundwater remediation at the subject site under the General Waiver.

J. B. Dewar LUFT Site #51214, 575 Guadalupe Street, Guadalupe, Santa Barbara County [John Mijares 805-549-3696]

On August 9, 2011, Central Coast Water Board staff enrolled Mr. J. B. Dewar, the responsible party for the subject site, under the General Waiver for Specific Types of Discharge, Resolution No. R3-2008-0010 (General Waiver). The General Waiver permits the operation of an air/ozone sparge system for groundwater remediation at the subject site. The proposed air/ozone sparge system is described in the *Revised Corrective Action Plan* dated October 8, 2007. DMI-EMK proposes to generate and deliver ozone to seven sparge wells using a self-contained ozone sparge system rated to produce 104 grams of ozone per hour. Prior to startup

of the ozone sparge system, DMI-EMK will collect groundwater samples from wells MW6(A) and MW10(A) and analyze for trivalent and hexavalent chromium. These wells will be sampled and analyzed during semiannual groundwater monitoring activities for trivalent and hexavalent chromium in addition to other required monitoring and reporting.

This underground tank cleanup site is located in Santa Barbara County where Santa Barbara County Fire Prevention Division (SBCFPD) is the cleanup agency as the Local Oversight Program (LOP). SBCFPD staff approved the *Revised Corrective Action Plan* on December 9, 2008. DMI-EMK Environmental Services, Inc., submitted the application for the General Waiver, on behalf of Mr. J. B. Dewar. The application provides the necessary information to fully comply with the requirements for enrollment under the Central Coast Water Board's General Waiver

This staff report serves as a notification to the Central Coast Water Board that Water Board staff has issued a Notice of Applicability to Mr. J. B. Dewar to operate an air/ozone sparge system for groundwater remediation at the subject site under the General Waiver.

Former B&K Union Tow Service, 101 The Alameda Street, San Juan Bautista, San Benito County [John Mijares 805-549-3696]

On August 18, 2011, Central Coast Water Board staff enrolled Mr. Ken Laverone, the responsible party for the subject underground tank cleanup site, under the Resolution No. R3-2008-0010, *General Waiver of Waste Discharge Requirements for Specific Types of Discharges* (General Waiver). The General Waiver permits the implementation of an Enhanced Anaerobic Biological Oxidation (ABOx) pilot study using magnesium sulfate injection to evaluate the efficacy of the ABOx technology and gather data for use in the design of a full-scale ABOx system. The proposed ABOx pilot study is described in ARCADIS' June 29, 2011, *Corrective Action Plan* (CAP). The pilot study will involve injecting magnesium sulfate (5 grams sulfate per liter of solution) into the subsurface to stimulate the anaerobic bio-oxidation of petroleum hydrocarbons. ARCADIS estimates that up to 15,000 gallons of magnesium sulfate solution will be injected into each injection well per injection event. ARCADIS plans two injection events during this pilot study. If the pilot study is successful, ARCADIS will submit a workplan for full-scale ABOx implementation. Central Coast Water Board staff approved the CAP on August 18, 2011. ARCADIS submitted the application for the General Waiver, on behalf of Mr. Ken Laverone. The application provides the necessary information to fully comply with the requirements for enrollment under the Central Coast Water Board's General Waiver

This staff report serves as a notification to the Central Coast Water Board that Water Board staff has issued a Notice of Applicability to Mr. Ken Laverone to implement an ABOx pilot study using magnesium sulfate injections for groundwater remediation at the subject site under the General Waiver. If the pilot study is successful, the full-scale ABOx remedial system implementation will also be covered by the General Waiver.

Whittaker Ordnance, 2751 San Juan Road, Hollister, San Benito County
[Kristina Seley 805-549-3121]

On October 20, 2011, Central Coast Water Board staff enrolled Whittaker Corporation (Whittaker) under Resolution No. R3-2008-0010, *General Waiver of Waste Discharge Requirements for Specific Types of Discharges* (General Waiver). Whittaker requested enrollment in the General Waiver for the discharge of treated water from their groundwater extraction and treatment system (GETS) to land at a neighboring property for irrigation purposes. Based on Central Coast Water Board staff's review of the Application/Report of Waste Discharge, and subsequent correspondence and technical information submitted by Whittaker, the request to discharge complies with the conditions of the General Waiver for discharging highly treated groundwater to land (Attachment A, Section B.5 of the General Waiver).

Approximately two years ago, Whittaker began operation of their GETS to hydraulically control, capture, and treat polluted groundwater from beneath the site. The GETS treats groundwater impacted by volatile organic compounds with granular activated carbon units, and removes perchlorate, hexavalent chromium, and selenium with a bioreactor. In August 2011, Whittaker proposed to modify the GETS and restart their system to improve their treatment capability for selenium, a naturally occurring compound found in groundwater beneath the site. Whittaker will discharge the treated water to the San Benito River pursuant to their existing General NPDES Permit if the upgraded GETS can achieve surface water quality effluent limits for selenium. However, if the discharge does not meet the surface water requirements for selenium (a technically challenging compound to remediate), Whittaker will discharge the treated water pursuant to the General Waiver at the neighboring property located at 2860 Old San Juan Road, for irrigation purposes at a maximum flow of 30 gallons per minute during startup of the GETS.

Whittaker is required to comply with the discharge conditions outlined in the General Waiver and the following additional requirements:

- Post signage on the entrance of the neighboring property, and/or near the sprinkler system, designating the water as non-potable.
- Prevent ponding or runoff at the neighboring property from the discharge.
- Cease discharge during rain events.
- Conduct monitoring of the discharge and treatment system to ensure waste constituents do not exceed applicable water quality standards or receiving water concentrations.
- Notify Water Board staff and cease discharge if discharge effluent concentrations exceed receiving water concentrations.

Space Launch Complex 3E, Vandenberg Air Force Base, Santa Barbara County
[Sorrel Marks, 805/549-3695]

On June 13, 2011, United Launch Alliance, LLC, applied for a waiver of waste discharge requirements for discharges of launch water, post-launch wash-down water, and associated storm water at Vandenberg Air Force Base, Space Launch Complex 3E, in Santa Barbara County. The discharges include:

- Approximately 75,000 gallons per launch of launch water and post-launch wash-down water.
- Storm water accumulated in the wastewater pond (anticipated to range from 200,000 to 270,000 gallons per year).

These discharges will be beneficially reused as irrigation on adjacent vacant land. The discharges must not cause or contribute to exceedances of groundwater quality objectives specified in the Basin Plan for protection of the agricultural supply beneficial use (Basin Plan Tables 3-3 and 3-4). Each of the water discharge types described above has been sampled and results of water quality analyses indicate the discharges will not pose a significant threat to underlying groundwater quality. Periodic monitoring of the discharge constituent concentrations will be implemented to ensure consistency with Basin Plan objectives.

Reuse of these waters as pasture irrigation presents no significant threat to water quality. Accordingly, the discharge is appropriate for enrollment in the General Waiver, and staff notified United Launch Alliance of such enrollment on August 8, 2011. Enrollment in the General Waiver is conditional upon compliance with the conditions stated in the General Waiver, and no discharge to surface water is allowed.