

STATE OF CALIFORNIA
REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION

STAFF REPORT FOR REGULAR MEETING FEBRUARY 9, 2007

Prepared January 18, 2007

ITEM NUMBER: 7

SUBJECT: Low Threat and General Discharge Cases

DISCUSSION

General Waiver for Specific Types of Discharges, Resolution No. R3-2002-0015

South Vandenberg AFB Power Plant,
Vandenberg Air Force Base, Santa
Barbara County [David LaCaro 805/549-
3892]

Staff recommends enrolling the SVPP, located at Coast Road, Building 525, Vandenberg AFB, Santa Barbara County, under the General Waiver Resolution No. R3-2002-0115. Activities and operations associated with the discharge of process waters from the SVPP are described as follows:

1. The SVPP uses a demineralization process to remove particulates from potable water used for NO_x emission reduction during SVPP operation. Demineralization process wastewater is produced during the routine back flush of the demineralization water treatment system. The demineralization process includes four treatment mechanisms: carbon filtration, brine filtration, reverse osmosis, and deionization. This wastewater is discharged to an indoor lined sump (sump #2), which drains to a percolation pond outside.
2. The SVPP uses potable water to cool an air compressor. An average of 57,000 gallons per month of non-contact cooling

water discharges to an indoor lined sump (sump #1). An automatic sump pump discharges the accumulated non-contact water to the outside percolation pond.

3. The SVPPP is currently permitted under Waste Discharge Requirement (WDR) No. 86-04, which allows SVPP to discharge a maximum of 36,000 gallons a day of wastewater from the demineralization water treatment system.
4. The Discharger's application, submitted August 24, 2006, includes analytical results for the potable water system and the demineralization discharge. Considering the information provided, staff finds that the discharge of demineralization process water to the outdoor percolation pond, presents no significant threat to water quality.

SVPP's existing coverage under WDR Order No. 86-04 remains effective until the Central Coast Water Board rescinds the Order. Upon the Central Coast Water Board's concurrence with staff's recommendations (WDR rescission and General Waiver enrollment), enrollment is conditional upon compliance with the prohibitions, recommendations, and specifications of the General Waiver Conditions (Attachment A1, Section A). See also Item 16 in this agenda.

Staff recommends the Central Coast Water Board waive waste discharge requirements for SVPP. This waiver will expire February 9, 2012.

Former Grefco Plant, 333 W. Highway 246, Lompoc, Santa Barbara County [John Mijares 805/549-3696]

In a January 2, 2007 letter, the Central Coast Regional Water Quality Control Board (Central Coast Water Board) staff enrolled the subject site under the General Waiver Resolution No. R3-2002-0115. Soil and groundwater at the site are contaminated with petroleum hydrocarbon constituents from a previously removed leaking underground storage tank. The responsible party proposes to use a groundwater extraction and treatment system to remove dissolved petroleum hydrocarbon constituents in groundwater. The extracted groundwater (approximately one gallon per minute) will be treated via three, in-line, 200-pound granular activated carbon (GAC) treatment units. The treated water will be pumped to two, 21,000-gallon holding tanks and then discharged to a 30-foot diameter onsite infiltration pond. The infiltration pond will have sufficient capacity to handle the treated groundwater discharge rate. The GAC treatment units are each designed to completely remove petroleum hydrocarbon constituents from the extracted groundwater. The treated groundwater discharge is expected to start by the fourth week of January 2007.

The site complies with all requirements for enrollment under the General Waiver (for treated groundwater). As a condition of enrollment under the General Waiver, Central Coast Water Board staff requires the responsible party to report the discharge volume and laboratory analysis for chemicals of concern on a quarterly basis to verify compliance under the General Waiver requirements. The General Waiver enrollment expires on January 31, 2012.

General WDRs for Food and Vegetable Processing

Dreisbach Enterprises, Moss Landing, Monterey County [Cecile DeMartini 805/542-4782]

Dreisbach Enterprises, Inc. (hereafter "Discharger") owns and operates the Hilltop Cold Storage strawberry processing facility at 1276 Highway 1, Watsonville, California. The Driesbach facility is currently regulated by Waste Discharge Requirements Order No. 99-09. After reviewing the facility's effluent constituents and some minor compliance issues, Water Board staff believes the facility is best suited to be regulated under the General Waste Discharge Requirements for Discharges of Fruit and Vegetable Processing Waste, Order No. R3-2004-0066. The Discharger has no objection.

See Item No. 7 for additional information.

Corrective Action Plan Approval

Former Chevron Service Station, 650 Laurel Drive, Salinas, Monterey County [John Goni 805/542-4628]

On September 13, 2006, Central Coast Water Board staff received a corrective action from Science Applications International Corporation on behalf of the responsible party, Chevron Oil Products Company. The subject site was a gasoline service station whose underground storage tanks (UST) were removed in March 2005 when the service station was demolished. Approximately 310 cubic yards of soil were removed during demolition, and another 220 cubic yards of soil were removed from around one of the dispenser islands at a later time; excavated petroleum-impacted soil was appropriately disposed of off of the site. Results of subsurface investigations indicate that soil in the area of the former dispensers and USTs is impacted with petroleum hydrocarbons. Similarly,

groundwater investigations and periodic monitoring have detected petroleum hydrocarbons and methyl tertiary-butyl ether in groundwater beneath the site.

The responsible party's consultant conducted a soil vapor extraction test and confirmed that soil vapor extraction in combination with air sparging is a feasible method of cleanup. An air sparging and soil vapor extraction system has been designed and will include installation of 20 air sparging and soil vapor extraction wells. Extracted soil vapor will be treated under permit from the Monterey Bay Unified Air Pollution Control District.

Central Coast Water Board staff approved the corrective action plan, and notified the property owner and neighboring residents and property owners, in a November 6, 2006 letter.

General WDRs for Wineries

Rancho La Viña Winery, Lompoc, Santa Barbara County [David LaCaro 805/549-3892]

Regional Board staff enrolled Rancho La Viña Winery under the General Waste Discharge Requirements for Discharges of Winery Waste (General WDRs) on January 18, 2007. Rancho La Viña Winery is located at 4455 Santa Rosa Road, Lompoc, Santa Barbara County.

Rancho La Viña Winery plans to produce up to 20,000 cases of wine per year. Peak winery process wastewater flows are approximately 2,000 gallons per day (gpd). Wastewater will be treated by an aeration pond and settling pond and will then be used to irrigate surrounding crops and/or stored in the existing irrigation pond. Pomace will be composted at the site. The domestic wastewater discharges are separate from the winery wastewater discharges. The driller's report indicates that depth to groundwater, measured 750 feet from ponds, is 26 feet below ground surface. The disposal area is 1.1 miles

down gradient from the closest domestic water well. The ponds are 780 feet from the Santa Ynez River and the disposal area lies within the 100-year flood zone of the Santa Ynez River.

Enrollment under the General WDRs requires Rancho La Viña Winery to follow Monitoring and Reporting Program (MRP) No. R3-2003-0084. Regional Board staff will begin regular compliance inspections of Rancho La Viña Winery this fall.

Staff Closed Cases

Unocal Leroy-Ferrari Lease, Guadalupe, Santa Barbara County [Rich Chandler 805/549-4627]

The Unocal Leroy-Ferrari Lease is located approximately eight miles west of Santa Maria, California. The site was the former location of oil production facilities, including oil wells and an oil storage tank battery. Crude oil-impacted soil was discovered at the site during decommissioning of the oil production facilities in the late 1990s. Groundwater was observed during excavation of the impacted soil near the tank battery and five groundwater monitoring wells were installed at the site in February 2001. By February 2005, petroleum hydrocarbon constituents in groundwater were below laboratory detection limits, or were present in concentrations lower than Department of Health Services Maximum Contaminant Levels for drinking water. Central Coast Regional Water Quality Control Board staff indicated that site closure would be granted following Unocal's destruction of the groundwater monitoring wells and submittal of a Case Closure Summary Form. These activities Unocal completed and Central Coast Water Board staff closed the case on November 28, 2006.