

STATE OF CALIFORNIA  
REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL COAST REGION

STAFF REPORT FOR REGULAR MEETING JULY 11, 2008

ITEM NUMBER: 6

SUBJECT: Low Threat and General Discharge Cases

DISCUSSION

**General NPDES Permit Discharges of Highly Treated Groundwater to Surface Water**

**Former Texaco Service Station Site, 7999 Westwood Drive, Gilroy, Santa Clara County [Wei Liu (805) 542-4648]**

Lee Banks & Associates submitted a Notice of Intent on September 29, 2006, to comply with the Central Coast Water Board's Order No. 01-134, NPDES No. CAG993002, General Permit for Discharges of Highly Treated Groundwater to Surface Waters (General Permit). The site has been used as an automobile fueling and service station since approximately 1967. The discharge is the result of treated groundwater from an extraction well used to remediate the site. Constituents of concern in groundwater primarily include total petroleum hydrocarbon as gasoline, benzene, and methyl tertiary butyl ether (MTBE). Groundwater will be pumped from the extraction well and stored onsite before being treated using an air stripper and an advanced oxidation system arranged in series, and then discharged to the Uvas Creek via the storm drain. Discharge to surface water will be completed via an underground pipe connecting the treatment system to the storm drain located on the Lee Banks & Associates' property.

As part of the enrollment process, Central Coast Water Board staff required Lee Banks & Associates to comply with specific General Permit conditions, which included notification of nearby property owners. In an October 19, 2006 letter, Central Coast Water Board staff notified property owners within a 300-foot radius of the proposed discharge location, allowing for public comment. Central Coast Water Board staff has not received any public comments to date.

The enrollment was delayed due to the re-issuance of the General Permit on December 1, 2006, and the reconfiguring and repairing the treatment system to meet new requirements in the re-issued General Permit. On April 1, 2008, the Discharger reported the treatment system reconfiguration was complete and the system is ready for operation and discharge.

In an April 9, 2008 letter, the Executive Officer enrolled Lee Banks & Associates under the General Permit and authorized the discharge to begin. The discharger must comply with General Permit standards, prohibitions, and requirements to protect water quality. Lee Banks & Associates is also required to comply with the revised Monitoring and Reporting Program No. R3-2006-0067. Treatment system redundancy, routine inspections, maintenance and confirmation sampling will ensure the discharge will not pose a threat to water quality. Extracted groundwater will be treated to drinking water standards prior to discharge.

**General WDRs for Discharges from Wineries****Jackson Family Wines Field Press Operation, Mission Trails Vineyard, Los Alamos, Santa Barbara County [Ryan Lodge 805/549-3506]**

Water Board staff enrolled Jackson Family Wines Field Press Operation at Mission Trails Vineyard under the General Waste Discharge Requirements for Discharges of Winery Waste (General WDRs) on April 29, 2008. Mission Trails Vineyard is located at 8684 Bell Street, Los Alamos, Santa Barbara County.

Jackson Family Wines expects to crush 10,000 tons of grapes annually. Peak process wastewater flows are approximately 40,000 gallons per day. Large solids will be separated through a mesh screen. Wastewater will flow to a 10,000-gallon holding tank and will then be used for dust suppression on four miles of vineyard roads. Pomace will be spread on 135 acres of land adjacent to the vineyard. The domestic wastewater discharges are separate from the winery wastewater discharges. The depth to groundwater is at least 20 feet below ground surface.

Enrollment under the General WDRs requires Jackson Family Wines to follow Monitoring and Reporting Program (MRP) No. R3-2008-0018. Water Board staff will begin regular compliance inspections of Mission Trails Vineyard this fall.

**Terravant Wine Company, 35 Industrial Way, Buellton, Santa Barbara County [Ryan Lodge 805/549-3506]**

Water Board staff enrolled the Terravant Winery under the General Waste Discharge Requirements for Discharges of Winery Waste (General WDRs) on April 29, 2008. Terravant Winery is located at 35 Industrial Way, Buellton, Santa Barbara County.

Terravant Winery expects to produce up to 500,000 cases of wine annually. The process wastewater treatment and disposal system is based on an estimated peak flow of 25,000 gallons per day during the crush season

Winery process water will flow through floor drains with screens to a lift station. Process water pH will be adjusted in the lift station and then pumped to a rotary screen. Following screening the process water will flow to a wastewater treatment plant. The treatment plant consists of a forced air aerobic roughing filter followed by extended aeration, and final clarifiers. Treated process water will flow to a two-acre retention/percolation basin for storage and reuse for onsite landscape irrigation. Depth to groundwater is at least 15 feet below ground surface. Pomace and sludge from the treatment plant will be trucked offsite to an approved disposal facility. During wet weather events the facility will discharge treated process water to the City of Buellton's wastewater collection system.

Enrollment under the General WDRs requires Terravant Winery to follow the modified Monitoring and Reporting Program No. R3-2008-0018. Water Board staff will begin regular compliance inspections of Terravant this fall.

**C2 Cellars Winery, Lompoc, Santa Barbara County [Ryan Lodge 805/549-3506]**

Water Board staff enrolled C2 Cellars Winery under the General Waste Discharge Requirements for Discharges of Winery Waste (General WDRs) on May 29, 2008. C2 Cellars Winery is located at 9050 San Antonio Road, Lompoc, Santa Barbara County.

C2 Cellars expects to produce 50,000 cases of wine annually. Average daily process wastewater flows are approximately 4,000 gallons per day (gpd). Large solids will be separated through a

mesh screen. Wastewater will be pumped to a 5 million gallon clay-lined evaporation pond. Pomace will be hauled to a composting facility in Santa Maria. The domestic wastewater discharges are separate from the winery wastewater discharges. The depth to groundwater is at least 70 feet below ground surface.

Enrollment under the General WDRs requires C2 Cellars to follow Monitoring and Reporting Program No. R3-2008-0018. Water Board staff will begin regular compliance inspections of C2 Cellars this fall.

**Galatea Winery at Rancho Arroyo Grande, San Luis Obispo County [Sorrel Marks 805/549-3695]**

Water Board staff enrolled Galatea Winery under the General Waste Discharge Requirements for Discharges of Winery Waste on May 30, 2008. Galatea Winery is located at 800 Phoenix Road, Arroyo Grande, San Luis Obispo County, and will process up to 1,300 tons of grapes annually. Galatea Winery's process wastewater will be treated using screening, pH adjustment, and aerated biological treatment. Up to 8,000 gallons per day of winery process wastewater will be treated and beneficially reused as vineyard irrigation on approximately 100 acres.

Enrollment under the General Waste Discharge Requirements requires Galatea Winery to comply with Monitoring and Reporting Program No. R3-2008-0018. Water Board staff may begin regular inspections of Galatea Winery this fall to ensure continued compliance with the General Waste Discharge Requirements

**Addamo Estate Vineyards Winery, Santa Maria, Santa Barbara County [Sorrel Marks 805/549-3695]**

Water Board staff enrolled Addamo Winery under the General Waste Discharge Requirements for Discharges of Winery Waste on May 30, 2008. Addamo Winery is located at 2510 East Clark Avenue, Santa Maria, Santa Barbara County, and will process up to 300 tons of grapes annually. Addamo Winery's process wastewater will be treated using screening, pH adjustment, and two-stage aerated biological treatment. Up to 3,000 gallons per day of winery process wastewater will be treated and beneficially reused as vineyard irrigation on approximately 45 acres.

Enrollment under the General Waste Discharge Requirements requires Addamo Winery to comply with Monitoring and Reporting Program No. R3-2008-0018. Water Board staff may begin regular inspections of Addamo Winery this fall to ensure continued compliance with the General Waste Discharge Requirements.