INFORMATION SHEET

ORDER NO.
LANGE TWINS FAMILY LIMITED
SAN JOAQUIN COUNTY

Lange Twins Family Limited doing business as Jahant Woods Cellars is constructing a new winery in Acampo that will crush grapes, ferment juice, process juice into finished wines, bottle wine, and distribute the wine. The winery is being constructed in phases. The first phase is being constructed to allow crushing of 11,000 tons of grapes to generate 2,000,000 gallons of wine; crush amounts will be lower in the first few years of operation. At a crush rate of 11,000 tons per year, approximately 12,500,000 gallons of wastewater will be generated on an annual basis

Wastewater will be generated in cleaning and rinsing activities. Ozone will be used as the main sanitizing agent for the winery. Wastewater will be collected in floor drains, screened, pH adjusted, flow metered, biologically treated in ponds, stored in a storage pond, and then land applied. The ponds will be double lined with vinyl or equivalent liners equipped with a leak detection system. The treatment ponds will be equipped with up to 40-horsepower of floating mechanical aerators.

The storage pond does not provide adequate storage to hold wastewater during the entire wet season (approximately November to March). Because the storage pond does not provide adequate storage capacity to hold all wastewater during the winter season, wastewater will be applied during the winter season.

The land application areas consist of 28-acres planted in pasture, 40-acres planted in vineyard, and 64-acres planted in vineyard. The 28-acre land application area will be the primary land application area used during the winter months. Wastewater will be applied to the 40 and 64-acre land application areas during the remainder of the year. Crops will be harvested from the land application areas. The 28-acre land application area, which will receive the bulk of discharge during the wet season, will be bermed to prevent stormwater/wastewater mixtures from discharging to surface water bodies.

Solid/semi-solid wastes such as pomace (skins, seeds, pulp, stems, etc. resulting from the grape crush) and filter cake media (bentonite and diatomaceous earth) are also generated by the processing operations. Such solid/semi-solid wastes are segregated from the process wastewater stream by cleanup processes (sweeping materials from floor drains) or by screens in the floor drains. Solids will be applied to the land application area as fertilizer/soil amendment.

Process water at the facility is provided by a domestic supply well. Supply water quality is generally good, with a total dissolved solids concentration of 147 mg/L. Groundwater monitoring wells were installed in the 28-acre land application area. Because that land area will receive a higher loading rate, it is prudent to monitor that land application area; if groundwater quality appears to be degraded by the application of wastewater, additional wells can be installed in the other land application areas. Groundwater exists at a depth of approximately 50 feet below the ground surface.

Domestic wastewater is discharged to an on-site system. This system is regulated by the San Joaquin County Environmental Health Department.

This Order requires the Discharger to submit an As-Built Report, an Operation and Management Plan, a Salinity Reduction Study, and a Background Groundwater Quality Study Report.

Surface water drainage in the area is to the Mokelumne River.

TRO 6/14/06