

ITEM: 11

SUBJECT: Bogle Vineyards, Inc., Bogle Delta Winery, Yolo County

BOARD ACTION: *Consideration of Revised Waste Discharge Requirements*

BACKGROUND: Bogle Vineyards, Inc. (Discharger) owns and will operate a new winery in Clarksburg, Yolo County. The facility is a complete winemaking facility, from receiving and crushing grapes to packaging and shipment of wine off-site. The treatment facility will treat process wastewater generated from the on-site winemaking operations and on-site evaporative condenser, and process wastewater from the Bogle Old River Vineyard and the Bogle Vineyard main facility. Treatment includes a rotary screen for solids removal and facultative aerated lined ponds for biological treatment prior to land application. The land application areas (LAAs) cropped with alfalfa and winter wheat will receive the treated wastewater.

Because new facility is not in operation, wastewater quality is forecasted based on similar sized facilities. Three groundwater monitoring wells were installed to determine the baseline groundwater quality (pre-discharge). Groundwater in the location is fairly shallow. Based on the analytical data, the baseline groundwater appears to be low quality with respect to salinity and very hard. Groundwater flow directions were noticeably variable, and may indicate influences by the operation of the irrigation canals that surround the facility and land application areas.

Studies submitted by the Discharger conclude that compliance with effluent limits and management practices in these WDRs will achieve compliance with the Basin Plan. Based upon available information, this discharge meets the criteria for an exemption from the requirements of *Consolidated Regulation for Treatment, Storage, Processing, or Disposal of Solid Waste*, as set forth in Title 27, CCR, Division 2, Subdivision 1, Section 20005, et seq., (Title 27).

The WDRs require the Discharger to perform technical studies to evaluate the groundwater monitoring network, submit a salinity evaluation, and further characterize the background groundwater quality.

The WDRs allow a monthly average maximum flow limit of 4.9 million gallons per month; in addition an annual total of 30.3 million gallons of wastewater/stormwater mixtures per year is imposed. Effluent limits for Biochemical Oxygen Demand (BOD), Fixed Dissolved Solids (FDS), and total nitrogen are included in the Order. The BOD limits of 60 lbs/ac/day as a daily maximum will

prevent overloading the LAAs. A monthly maximum limit for FDS of 900 mg/L is included in the Order. Total nitrogen is limited to 480 lbs/ac/year to prevent overloading the LAAs. Wastewater will be applied by spray irrigation.

Because the facility will not generate enough wastewater to meet the crop needs, supplemental irrigation water will be provided by Reclamation District 999 irrigation canals. The District 999 canals have an average summer TDS concentration of 100 mg/L.

ISSUES:

The Discharger and Ms. JoAnne Kipps have submitted comments on the proposed Order. Staff's response to their comments is contained in the Response to Comments document included in the Central Valley Water Board's agenda package.

RECOMMENDATION:

Staff recommends that the Central Valley Water Board adopt the Waste Discharge Requirements.

Mgmt. Review _____
Legal Review _____

9/10 June 2011
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