

**NOTICE OF INTENT**  
**GENERAL WASTE DISCHARGE REQUIREMENTS**  
**FOR**  
**DISCHARGES TO LAND BY SMALL DOMESTIC WASTEWATER TREATMENT**  
**SYSTEMS**

**Rosso & Bianco Winery**  
(Formerly known as Chateau Souverain)  
300 Via Archimedes  
Geyserville, California  
Sonoma County

**Internet Posting Date: December 16, 2008**

**Target End of Comment Period: January 16, 2009**

The Rosso & Bianco Winery (Facility) located at 300 Via Archimedes in Geyserville, California, is a complete production winery, with a wine tasting room and indoor-outdoor restaurant. A standard septic tank and leachfield system is currently used to treat and dispose of domestic wastewater while a facultative treatment pond and vineyard drip irrigation system is used to treat and dispose of the winery process wastewater.

On April 17, 2008 the Sonoma County Board of Zoning Adjustments (SCBZA) approved a modification of the Facilities Use Permit allowing the development of a commercial recreation facility onsite. In addition to the existing use, allowances in the modified Use Permit allowed for construction and operation of a performance area, a swimming pool, a second outdoor restaurant and a package wastewater treatment plant for the treatment and disposal of domestic wastewater associated with the Facility. A Mitigated Negative Declaration for development of the new uses was adopted by the SCBZA on April 17, 2008.

The Facility owner, Francis Ford Coppola Winery, submitted an application/report of waste discharge to our office, in June of 2008, for the new domestic wastewater treatment and disposal system. Subsequent amendments followed with the final being received by our office October 20, 2008.

The proposed wastewater system is designed to treat and dispose of up to 20,000 gallons per day (gpd) of domestic wastewater flows via a Membrane Bioreactor (MBR) package wastewater treatment plant and effluent drip irrigation disposal system. Flows associated with special events of more than 250 people will be serviced by portable restroom services.

The MBR treatment plant will include an anoxic treatment zone for denitrification, an aeration zone for aerobic digestion of BOD<sub>5</sub> and a membrane micro filtration zone for Total Suspended Solids (TSS) removal. The existing septic tank and leachfield system will be abandoned in place once the new system is in operation.

**California Environmental Protection Agency**

*Recycled Paper*

Following MBR treatment wastewater will be pumped to an effluent storage tank where it will be dosed with a sodium hypochlorite solution for chlorine disinfection. A secondary containment wall surrounding the treatment plant and chlorine storage tank will prevent accidental releases of wastewater or chlorine from pipe leaks or tank failures. The 200,000 gallon effluent storage tank will allow for approximately 10 days of storage capacity at peak summer time wastewater flow volumes and 28.6 days at average winter flow volumes.

Disposal will take place via surface drip irrigation on 2.48 acres of existing vineyard located west of the facility and 3.31 acres of undeveloped native oak habitat north of the facility. The vineyard disposal area will be preferentially irrigated throughout the year to minimize disposal on the undeveloped parcel. Both disposal areas will be fenced off from public access and signs identifying the use of recycled water will be posted along the fencing.

Application rates for drip irrigation disposal will range seasonally from 0.08 inches/day for 29 days in September to 0.27 inches/day for 5 days in December. Application rate calculations were based on the assimilative capacity of the soil, the volume of effluent applied per month and the number of days during that month when disposal could take place. No disposal may occur during times of soil saturation or within 48 hours of a predicted rainfall event or 48 hours following a rainfall event. Effluent will be disposed of at a rate that prevents any runoff to surface waters.

The proposed project is in compliance with the requirements for recycled water use established in Title 22 of the California Code of Regulations (CCR) including the requirements for treatment and use area restrictions.

On the basis of preliminary staff review and application of lawful standards and regulations, the California Regional Water Quality Control Board, North Coast Region, intends to enroll the Facility under *General Waste Discharge Requirements For Discharges To Land By Small Domestic Wastewater Treatment Systems Water Quality Order No. 97-10-DWQ* (Order No. 97-10-DWQ).

Any interested party may contact Rachel Prat with the Regional Water Board staff at (707) 576-2542 or submit comments to her attention to the Regional Water Board office at 5550 Skylane Boulevard, Suite A, Santa Rosa, CA 95403. Order No. 97-10-DWQ, related documents, and any comments received are on file and may be inspected or copied at the Regional Water Board office Monday through Friday from 8:00 a.m. to 5:00 p.m. Appointments are recommended for file review and can be made by calling (707) 576-2220. The public comment period will be completed on January 16, 2009.

Catherine E. Kuhlman  
Executive Officer

December 16, 2008