

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

ORDER NO. 82-9

WATER RECLAMATION REQUIREMENTS FOR:

VICHON WINERY  
OAKVILLE, NAPA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter Board) finds that:

1. Vichon Winery, located on Oakville Grade Road, Oakville, submitted a report of waste discharge on August 12, 1981 and supplemental information dated December 7, 1981 and February 9, 1982.
2. Vichon Winery (hereinafter discharger) proposes to discharge the following wastes:
  - a. Waste No. 1 will consist of sanitary sewage with an estimated flow of 360 gallons per day from 14 employees and 15 customers. The waste will be discharged into a septic tank and a conventional subsurface disposal field, which has been approved by Napa County Health Department.
  - b. Waste No. 2 will consist of industrial waste, only, from the production of wine including crushing, bottling and clean-up operations. The average flow is expected to be 2,300 gallons per day, increasing to 3,500 gallons per day during the grape-crushing season. Winery wastewater will be screened and neutralized with ammonia. Treatment and storage will be provided in two clay-lined mechanically aerated ponds having a total combined volume of 1.56 million gallons. The water will be stored from November through March and then used for irrigation of 6.4 acres of vineyard and 2.6 acres of landscaped slopes during the remainder of the year. All process waste will be contained on the discharger's property.
3. The Board adopted a Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan) in April 1975. The Basin Plan contains water quality objectives for the Napa Valley area.
4. The beneficial uses of the Napa Valley ground waters as set forth in the Basin Plan include:
  - a. Domestic water supply
  - b. Agricultural water supply

5. The beneficial uses of the Napa River as set forth in the Basin Plan include:
  - a. Domestic water supply
  - b. Water contact recreation
  - c. Agricultural water supply for stock watering, irrigation and frost protection
  - d. Fish migration and habitat
  - e. Esthetic enjoyment
6. The county of Napa determined on the basis of an Initial Study that the project, as described, will have no substantial adverse effect on the environment, and therefore adopted a Negative Declaration regarding this project dated October 21, 1981 in accordance with the California Environmental Quality Act (Public Resources Code Section 2100 et. seq.).
7. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
8. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that Vichon Winery, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, shall comply with the following:

A. Reclaimed Water Quality Specifications

1. The treatment or disposal of waste shall not create a nuisance as defined in Section 13050(m) of the California Water Code.
2. Waste 1 shall be kept below the ground surface at all times.
3. The disposal of Wastes 1 or 2 shall not cause degradation of ground water suitable for domestic use or cause an increase in any quality parameter that would make ground water unsuitable for irrigation use.
4. Waste 2 as contained in the aeration and holding ponds shall meet the following limits at all times:
 

Dissolved Oxygen	1.0 mg/l minimum
Dissolved Sulfide	0.1 mg/l maximum
pH	6.0 minimum
	9.0 maximum
5. The aeration and holding ponds for Waste 2 shall be protected from erosion, washout or flooding having a predicted frequency of once in 100 years.

6. A minimum of two feet of freeboard shall be maintained in the ponds at all times.

B. Prohibitions

1. Neither Waste 1 or 2 shall be allowed to escape from the discharger's property into waters of the State via surface flow, surfacing after percolation, or airborne spray.
2. Waste 1 shall not exceed 360 gallons per day (90-day average).
3. Waste 1 shall not be discharged into the aeration pond system.
4. Waste 2 shall not exceed 3500 gallons per day (30-day average).

C. Reclaimed Wastewater Use Specifications

1. Wastewater irrigation shall be limited to the area specified in attachment A. A revised map must be submitted, and the written authorization from the Executive Officer must be obtained, before any future change is made in the area used for irrigation.
2. Wastewater irrigation ponding which could provide a breeding area for mosquitoes shall be prevented.
3. Waste 2 shall not be applied to the irrigation site when the soil is saturated or during periods of rain.

D. Provisions

1. All necessary waste handling facilities shall be constructed and operable before the discharge of Waste 1 and Waste 2 commences.
2. The discharger shall file with the Regional Board technical reports on self-monitoring work performed according to detailed specifications as directed by the Executive Officer.
3. The wastewater treatment ponds shall be operated so as to achieve maximum freeboard between September 15 and October 1 of each year. The discharger will notify the Board in writing at the time this is achieved, but no later than October 15 of each year.
4. The discharger shall file with the Regional Board a report of waste discharge at least 120 days before making any material change or proposed change in the character, location or volume of the discharge.

5. The discharger shall permit the Board or its authorized representative in accordance with California Water Code Section 13267(c):
  - a. Entry upon premises in which an effluent source is located or in which any required records are kept;
  - b. Access to copy any records required to be kept under terms and conditions of this Order;
  - c. Inspection of monitoring equipment or records; and
  - d. Sampling of any discharge or reclaimed water.
6. The discharger shall maintain in good working order and operate as efficiently as possible any facility or control system installed by the discharger to achieve compliance with the waste discharge requirements.
7. In the event of any change in control or ownership of land or waste discharge facilities presently owned or controlled by the discharger, the discharger shall notify the succeeding owner or operator of the existence of this Order by letter, a copy of which shall be forwarded to this Board.
8. The discharger shall file with the Board a report of waste discharge at least 120 days before making any material change or proposed change in the character, location or volume of the discharge.
9. This Board will review this Order periodically and may revise the requirements when necessary.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on

FRED H. DIERKER  
Executive Officer

Attachment:  
Map

Attachment A.

# YICHON WINERY

LOCATION MAP PROJECT NO 8101  
12 FEB., 1982

