

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 84-3

WATER RECLAMATION REQUIREMENTS FOR:

CHATEAU ST. JEAN WINERY -
KENWOOD, SONOMA COUNTY, CALIFORNIA

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

1. Chateau St. Jean Winery, hereinafter called the discharger, submitted a report of waste discharge dated October 6, 1983, to increase the flow rate of its industrial discharge. The Board had previously adopted Waste Discharge Requirements, Order No. 75-9, on February 18, 1975 for the discharger.
2. The discharger proposes to discharge the following wastes:
 - a) Waste 001 consists of sanitary sewage from employees and visitors at an estimated flow of 1775 gpd. The waste is discharged into a septic tank and conventional sub-surface disposal field, which has been approved by Sonoma County Health Department.
 - b) Waste No. 002 consists of industrial wastes from the production of wine including crushing, bottling and cleanup operations. The average flow is 6,600 gallons per day, increasing to a peak of 43,100 gallons per day during the grape-crushing season. Winery wastewater is screened prior to discharge to a septic tank, neutralized, and then biologically treated in two aeration ponds of about 0.55 million gallons capacity each. The wastewater is reclaimed and used for vineyard and landscape irrigation or frost protection on the discharger's property. The location of the irrigation site is contained in Attachment A, which is hereby made a part of this Order.
3. The Board adopted a revised Water Quality Control Plan, San Francisco Bay Basin (Basin Plan) on July 21, 1982. The provisions of this Order are consistent with the objectives of the Basin Plan.
4. The beneficial uses of the upper Sonoma Valley ground waters are set forth in the Basin Plan and include:
 - Domestic water supply
 - Agricultural water supply
5. The beneficial uses of the Sonoma Creek as set forth in the Basin Plan include:

Domestic water supply
Recreation, including body contact sports
Migratory routes for spawning of steelhead and trout fishes
Agricultural water supply for stock watering and irrigation
Esthetic enjoyment

6. This action is to revise an existing permit and is therefore exempt from the California Environmental Quality Act (Public Resources Code Section 21000 et seq.) in accordance with Section 15301 of the Resource Agency's Guidelines.
7. The Board has notified the discharger and interested agencies and persons of its intent to prescribe water reclamation 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 Chateau St. Jean 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 001 shall be kept below the ground surface at all times.
3. The disposal of Wastes 001 or 002 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 002 as contained in the aeration 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 ponds for Waste 002 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 001 or 002 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 001 shall not be discharged into the aeration pond system.

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 002 shall not be applied to the irrigation site when the soil is saturated or during periods of rain.

D. Provisions

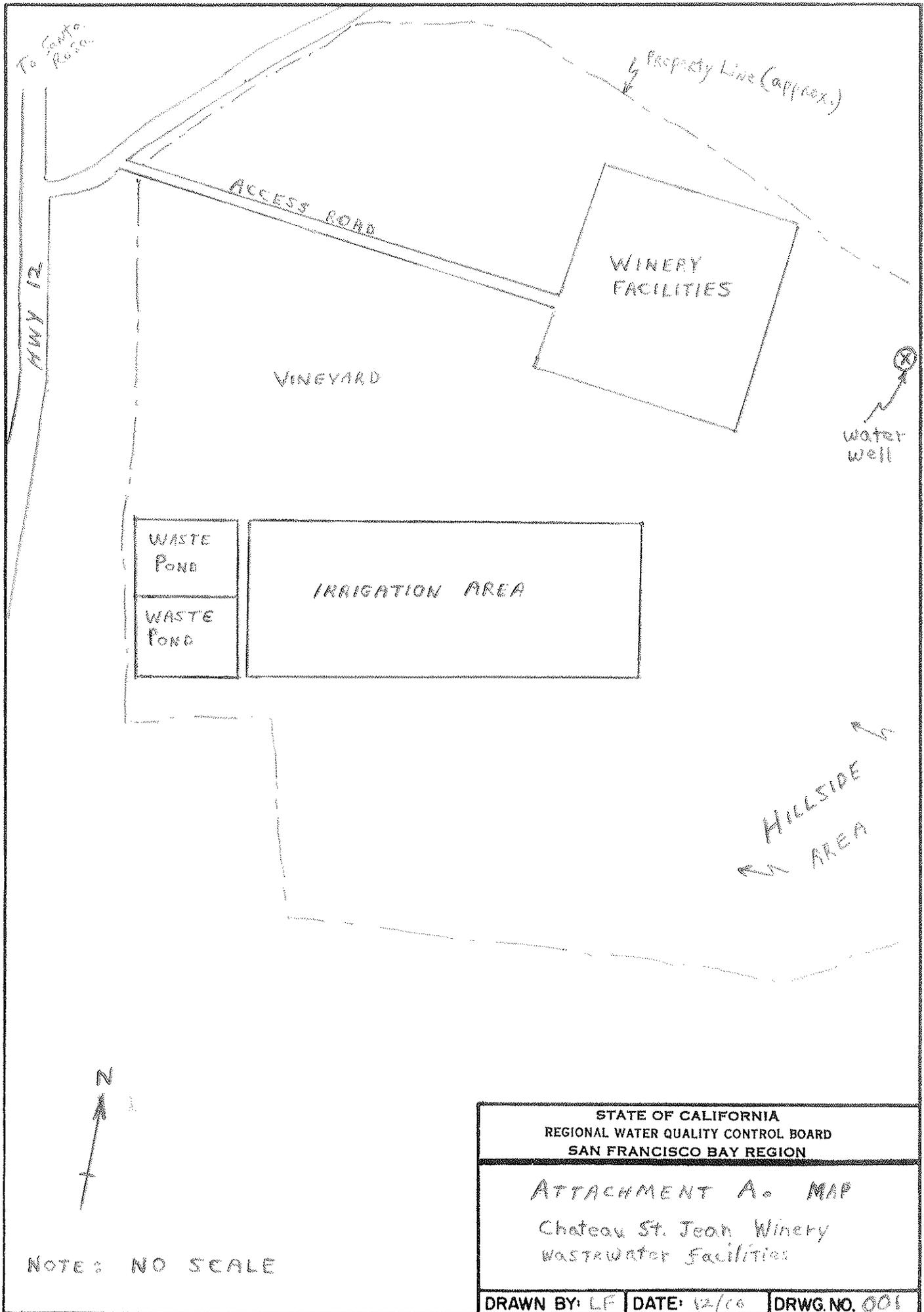
1. The discharger shall comply with the Self-Monitoring Program as specified by the Executive Officer.
2. The wastewater treatment ponds shall be operated so as to achieve maximum freeboard between September 15 and October 1 of each year.
3. The discharger shall file with the Regional Board a report of waste discharge at least 120 days before making any material change or proposed change in the character, location or volume of the discharge.
4. 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.
5. 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.

6. 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.
7. Order No. 75-9 is hereby rescinded.
8. This Board will review this Order periodically and may revise the requirements when necessary.

I, Roger B. James, 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 18 January 1984.

ROGER B. JAMES
Executive Officer

Attachment:
A. Map



To Santa Rosa

PROPERTY LINE (approx.)

HWY 12

ACCESS ROAD

WINERY FACILITIES

VINEYARD

water well

WASTE POND

WASTE POND

IRRIGATION AREA

HILLSIDE AREA



NOTE: NO SCALE

STATE OF CALIFORNIA
 REGIONAL WATER QUALITY CONTROL BOARD
 SAN FRANCISCO BAY REGION

ATTACHMENT A. MAP
 Chateau St. Jean Winery
 WASTEWATER FACILITIES

DRAWN BY: LF | DATE: 12/16 | DRWG. NO. 001

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM
FOR

Chateau St. Jean Winery

Kenwood

Sonoma County

ORDER NO. 8483

CONSISTS OF

PART A

PART A

I. GENERAL

Reporting responsibilities of waste dischargers are specified in Sections 13225(a), 13267(b) 13268, 13383 and 13387(b) of the California Water Code and this Regional Board's Resolution No. 73-16.

The principal purposes of a monitoring program by a waste discharger, also referred to as a self-monitoring program, are:

1. To document compliance with waste discharge requirements and prohibitions established by this Regional Board.
2. To facilitate self-policing by the waste discharger in the prevention and abatement of pollution arising from waste discharge.

II. DESCRIPTION OF SAMPLING STATIONS AND SCHEDULE OF SAMPLING, ANALYSES AND OBSERVATIONS

A. Pond Influent

Weekly, determine average daily flow, in gallons per day, of wastewater entering the treatment pond system.

B. Aeration Ponds

At any point on each pond's surface, representative of the wastewater:

1. Monthly, determine dissolved oxygen (D.O.) concentration, mg/l. If D. O. is less than 2.0 mg/l, sample for dissolved sulfides.
2. Monthly, determine pH for each pond.
3. Weekly, perform the following standard observations along perimeter of each pond:
 - a. Evidence of leaching liquid from pond perimeter dike and estimated size of affected area. (Show affected area on a sketch).
 - b. Odor: presence or absence characterization, source and distance of travel.
 - c. Estimated number of waterfowl and other water-associated birds in the ponds' vicinity.

4. Weekly, determine pond freeboards.

C. Pond Effluent

Daily, determine flow in gallons per day of wastewater transferred from treatment ponds to irrigation system.

D. Irrigation System

Daily, when irrigating, check for evidence of runoff.

E. Leachfield area

Weekly, check for surfacing of wastewater.

III. REPORTS TO BE FILED WITH THE REGIONAL BOARD

1. Violations of Requirements

In the event the discharger is unable to comply with the conditions of the waste discharge requirements and prohibitions due to:

- (a) maintenance work, power failures, or breakdown of waste treatment equipment, or
- (b) accidents caused by human error or negligence, or
- (c) other causes such as acts of nature,

the discharger will notify the Regional Board by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written report shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to prevent the problem from recurring.

In addition, if the non-compliance caused by items (a), (b) or (c) above is with respect to any of the effluent limits, the waste discharger shall promptly accelerate his monitoring program to analyze the discharge at least once every day of those constituents which have been violated. Such daily analyses shall continue until such time as the effluent limits have been attained, or until such time as the effluent limits have been attained, or until such time as the Executive Officer determines to be appropriate. The results of such monitoring shall be included in the regular Self-Monitoring Reports.

2. Bypass Reports

Bypass reporting shall be an integral part of regular monitoring program reporting and a report on bypassing of untreated waste or bypassing of any treatment unit(s) shall be made which will include cause, time and date, duration and estimated volume of waste bypassed, method used in estimating volume, and persons notified for planned and/or unplanned, bypasses. Notification to the Regional Board shall be made immediately by phone, followed by written correspondence within 15 days if a bypass occurs.

The discharger shall file a written technical report at least 15 days prior to advertising for bid on any construction project which would cause or aggravate the discharge of waste in violation of requirements; said report shall describe the nature, costs, and scheduling of all action necessary to preclude such discharge. In no case should any discharge of sewage-bearing wastes be permitted without at least primary treatment and chlorination.

3. Self-Monitoring Reports

Written reports shall be filed regularly for each calendar month and submitted by the fifteenth day of the following month. The reports shall be comprised of the following:

a. Letter of Transmittal

A letter transmitting self-monitoring reports should accompany each report. Such a letter shall include a discussion of requirement violations found during the past months and actions taken or planned for correcting violations, such as plant operation modifications and/or plant facilities expansion. If the discharger has previously submitted a detailed time schedule for correcting requirements violations, a reference to the correspondence transmitting such schedule will be satisfactory. Monitoring reports and the letter transmitting reports shall be signed either by a principal executive officer, or other duly authorized employee. The letter shall contain a statement by the official, under penalty of perjury, that to the best of the signer's knowledge the report is true and correct.

b. Data Results

All results observed or analyzed in II.A., II.B., II.C., II.D., and II.E.

c. List of Approved Analyses

1. Listing of analyses for which the discharger is approved by State Department of Health.
2. List of analyses performed for the discharger by another approved laboratory (and copies of reports signed by the laboratory director of that laboratory shall also be submitted as part of the report).

I, Roger B. James, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 84-3.
2. Is effective on the date shown below.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger, and revisions will be ordered by the Executive Officer.

ROGER B. JAMES
Executive Officer

Effective Date _____