

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION
81 Higuera Street, Suite 200
San Luis Obispo, California 93401**

ORDER NO. 97-33

**WASTE DISCHARGE REQUIREMENTS
FOR
ARROYO SECO VINEYARDS, INC.,
SAN MARTIN WINERY,
SANTA CLARA COUNTY**

The California Regional Water Quality Control Board, Central Coast Region (Board), finds;

1. Arroyo Seco Vineyards, Inc. (Discharger) submitted a Report of Waste Discharge on July 11, 1995 (updated on January 3, 1996), in accordance with Section 13260 of the California Water Code. The report was filed for authorization to continue discharge of wine processing wastewater generated at the San Martin Winery, located at 12805 Llagas Avenue in the community of San Martin.
2. The Discharger proposes to continue discharges of up to 150,000 gallons-per-day (gpd) of processing wastewater (peak season) combined with storm runoff from its facility. Average daily flow of process wastewater during the peak processing season is estimated at 14,000 gpd. Process wastewater and storm runoff are discharged (untreated) to on-site evaporation/ percolation ponds. The facility and disposal area are shown on Attachment "A" of this Order.
3. San Martin Winery and its disposal facilities are located on level terrain consisting of gravelly loam soils. Depth to ground water in the vicinity varies, but has been measured recently as shallow as 22 feet. The property is adjacent to Llagas Creek, however the disposal facilities are outside the 100-year flood area.

According to data provided by the Discharger, on-site water supply wells provide the following water quality (data averaged from two wells):

Total Dissolved Solids	305 mg/l
Sodium	19 mg/l
Chloride	35 mg/l
Nitrate (as N)	5 mg/l
Sulfate	56 mg

4. Solid wastes from the wine making process are hauled off-site by commercial carriers to compost and/or animal feeding facilities. Sanitary wastewater is discharged to a separate septic tank/leachfield system regulated by Santa Clara County.
5. The Water Quality Control Plan, Central Coast Basin (Basin Plan) was adopted by the Board on September 8, 1994. The Basin Plan incorporates statewide plans and policies by reference and contains a strategy for protecting beneficial uses of State waters.
6. Ground water objectives specified in the Basin Plan for the vicinity of the discharge, are as follows:

Total Dissolved Solids	300 mg/l
Sodium	20 mg/l
Chloride	20 mg/l
Nitrate (as N)	5 mg/l
Sulfate	50 mg/l

7. Present and anticipated beneficial uses of ground water in the vicinity of the discharge include: Domestic, Municipal, Agricultural and Industrial Supply.

8. Discharge of Waste is a privilege, not a right, and authorization to discharge is conditional upon the discharge complying with provisions of Division 7 of the California Water Code and any more stringent effluent limitations necessary to implement water quality control plans, to protect beneficial uses, and to prevent nuisance. Compliance with this Order should assume this and mitigate any potential adverse changes in water quality due to discharge.
9. On **June 26, 1997**, the Board notified the Discharger and interested agencies and person of its intent to issue waste discharge requirements for the discharge and has provided them with a copy of the proposed Order and an opportunity to submit written views and comments.
10. After considering all comments pertaining to this discharge during a public hearing on September 5, 1997, this Order was found consistent with the above findings.

IT IS HEREBY ORDERED, pursuant to authority in Section 13263 of the California Water Code, Arroyo Seco Vineyards, Inc., its agents, successors, and assigns, may discharge wastewater from the San Martin Winery, providing compliance is maintained with the following:

(Note: Other prohibitions and conditions, definitions, and the method of determining compliance are contained in the attached "Standard Provisions and Reporting Requirements for Waste Discharge Requirements" dated January 1984.)

Throughout these requirements footnotes are listed to indicate the source of requirements specified. Requirement footnotes are as follows:

A = Basin Plan

B = Administrative Procedures Manual

Requirements not referenced are based on Staff's professional judgment.

A. PROHIBITIONS

1. Discharge to areas other than the evaporation/percolation ponds located in the disposal area shown in Attachment B, is prohibited.
2. Discharge of any wastes including overflow, bypass, overspray and runoff from transport, treatment, or disposal systems to adjacent drainageways or adjacent properties is prohibited.
3. Discharge of sanitary wastes or any wastes, other than from wine processing, to the evaporation/percolation ponds is prohibited.
4. Discharge of salt brines to the process wastewater ponds is prohibited.
5. Storm runoff may be discharged to the evaporation/percolation ponds unless such water would cause overflow.

B. DISCHARGE SPECIFICATIONS

1. Peak seasonal discharge shall not exceed 150,000 gpd process wastewater plus storm runoff generated at the facility.
2. Wastewater discharged to the ponds shall not have pH less than 6.0 or greater than 8.4.

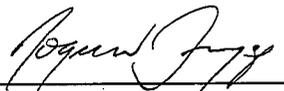
C. GROUND WATER LIMITATIONS

1. The discharge shall not cause a significant increase of mineral constituent concentrations in underlying ground waters, as determined by comparison of samples collected from wells located upgradient and downgradient of the disposal area.
2. The discharge shall not cause concentrations of chemicals and radionuclides in ground water to exceed limits set forth in Title 22 of the California Code of Regulations.^A

D. PROVISIONS

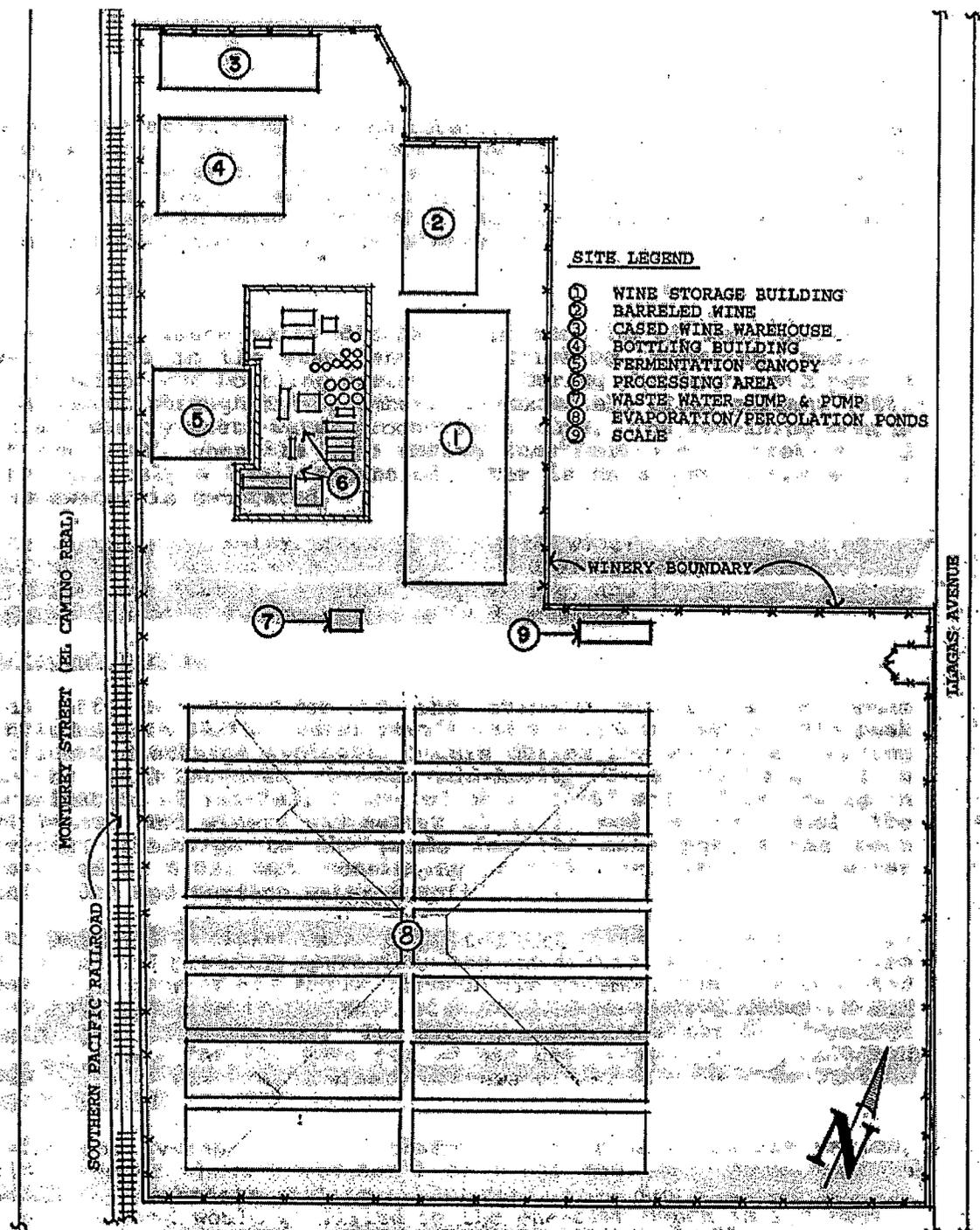
1. Discharger shall comply with "Monitoring and Reporting Program No. 97-33", as specified by the Executive Officer.
2. Discharger shall comply with the attached "Standard Provisions and Reporting Requirements for Waste Discharge Requirements" dated January, 1984.
3. Discharger shall identify and/or install upgradient and downgradient ground water monitoring wells which can be used to evaluate impacts of this discharge upon ground water in the vicinity. Discharger shall submit a report of compliance with this provision by December 12, 1997, with a complete description of monitoring wells.
4. Pursuant to Title 23, Division 3, Subchapter 9, of the California Code of Regulations, the Discharger must submit a written report to the Executive Officer not later than November 3, 2000, addressing:^B
 - a. Whether there will be changes in the continuity, character, location, or volume of the discharge; and,
 - b. Whether, in their opinion, there is any portion of the Order that is incorrect, obsolete, or otherwise in need of revision.

I, ROGER W. BRIGGS, 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, Central Coast Region, on September 4, 1997.


Executive Officer



Attachment "A" - Site Location



SITE LEGEND

- ① WINE STORAGE BUILDING
- ② BARRELED WINE
- ③ CASED WINE WAREHOUSE
- ④ BOTTLING BUILDING
- ⑤ FERMENTATION CANOPY
- ⑥ PROCESSING AREA
- ⑦ WASTE WATER SUMP & PUMP
- ⑧ EVAPORATION/PERCOLATION PONDS
- ⑨ SCALE

**ARROYO SECO VINEYARDS INC.
SAN MARTIN WINERY**

NO SCALE

Attachment "B" - Site Map

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION**

**MONITORING AND REPORTING PROGRAM NO. 97-33
ARROYO SECO VINEYARDS, INC.
SAN MARTIN WINERY
SANTA CLARA COUNTY**

Water Supply Monitoring

Representative samples of the water supply shall be collected and analyzed as follows:

<u>Constituent</u>	<u>Units</u>	<u>Sample Type</u>	<u>Minimum Sampling and Analyzing Frequency*</u>
Total Dissolved Solids	mg/l	Grab	Semi-Annually
Total Nitrogen (as N)	mg/l	Grab	Semi-Annually

Effluent Monitoring

Representative samples of the wine processing discharge shall be collected and analyzed as follows:

<u>Constituent</u>	<u>Units</u>	<u>Sample Type</u>	<u>Minimum Sampling and Analyzing Frequency*</u>
Daily Flow	gpd	Metered	Daily
pH	pH units	Grab	Quarterly
Total Dissolved Solids	mg/l	Grab	Quarterly
Total Nitrogen (as N)	mg/l	Grab	Quarterly

*During periods of discharge.

Ground Water Monitoring

Discharger shall identify and/or install monitoring wells upgradient and downgradient of the ponds. Discharger shall be responsible for determining direction of ground water flow and level to determine the appropriate location and depth of upgradient and downgradient monitoring wells. The monitoring wells shall meet or exceed well standards contained in the Department of Water Resources Bulletins 74-81 and 74-90. Discharger shall also comply with the monitoring well reporting provisions of Sections 13750 through 13755 of the California Water Code.

Monitoring wells shall be sampled in accordance with the following:

<u>Constituent</u>	<u>Units</u>	<u>Sample Type</u>	<u>Minimum Sampling and Analyzing Frequency</u>
Total Dissolved Solids	mg/l	Grab	Semi-Annually
Sodium	mg/l	Grab	Semi-Annually
Chloride	mg/l	Grab	Semi-Annually
Total Nitrogen (as N)	mg/l	Grab	Semi-Annually
Sulfate	mg/l	Grab	Semi-Annually

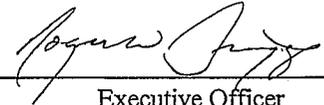
Disposal Area Monitoring

Wastewater ponds shall be inspected weekly for freeboard and available storage. Freeboard and available storage shall be presented in tabular form in each semiannual report. Wastewater facilities shall also be inspected weekly for evidence of any nuisance condition (odors, vector, etc.). Conditions of this nature shall be reported to the Executive Officer or his representative and to the County Department of Environmental Health within 24 hours of knowing of such conditions. The incident shall be promptly investigated and remedied. A record shall be kept of dates and nature of observations and remedies.

Reporting

Reports shall be prepared semiannually with the reports due by the 30th of January and July. Reports shall contain all data collected or calculated, and all observations made during the previous two quarters. It shall also contain a narrative summary of any exceptions to Waste Discharge Requirements.

ORDERED BY



Executive Officer

September 5, 1997

Date