

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL COAST REGION  
1102-A Laurel Lane  
San Luis Obispo, California 93401

ORDER NO. 88-96

WASTE DISCHARGE REQUIREMENTS  
FOR  
DELICATO VINEYARDS, INC.  
KING CITY WINERY  
MONTEREY COUNTY

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

1. Mr. David Cayton, Consultant, filed a Report of Waste Discharge on March 28, 1988, on behalf of Delicato Vineyards, Inc., King City Winery in accordance with Section 13260 of the California Water Code. The report was filed requesting authorization to discharge winery wastewater within the Salinas River basin.
2. Delicato Vineyards, Inc., (hereafter Discharger) proposes to operate a winery wastewater system located two miles south of King City at a 110 acre site along the north side of Oasis Road. The facilities are as shown on Attachment "A" of this Order.
3. Up to 25,600 gallons per day ( $100 \text{ m}^3/\text{day}$ ) of winery wastewater are discharged at this facility. The treatment facility consists of bermed areas planted with grasses which will be flood-irrigated. Estimated capacity of the land disposal areas is 25,600 gpd ( $100 \text{ m}^3/\text{day}$ ).
4. The winery wastewater disposal site is located on a gently-sloped bluff consisting of sandy loam soils to a depth of more than eight feet. Depth to ground water at the nearest domestic water well operated by Little Bear Water Company is 35 feet. Discharger will develop its own water supply well on-site.
5. Agricultural use of the land disposal area has caused salt and nitrate build-up in the near-surface soils. Samples of water collected in unsaturated soil five feet below the surface in the discharge area contained 840 mg/l nitrate and 1965 total dissolved solids in March, 1988.
6. The Salinas River is located one half mile northeast of the discharge site and flows in a northwesterly direction to the Pacific Ocean.

7. The Water Quality Control Plan, Central Coastal Basin, (Basin Plan) was adopted by the Board on March 14, 1975, and approved by the State Water Resources Control Board on March 20, 1975. The Basin Plan incorporates statewide plans and policies by reference and contains a strategy for protecting beneficial uses of State waters.
8. Present and anticipated beneficial uses of ground water in the vicinity of the discharge include: municipal and domestic supply, agricultural supply, and industrial supply.
9. Present and anticipated beneficial uses of surface waters that could be affected by the discharge include:
  - a. Municipal and domestic supply;
  - b. Agricultural supply;
  - c. Industrial service supply;
  - d. Ground water recharge;
  - e. Water contact recreation;
  - f. Non-water contact recreation;
  - g. Wildlife habitat;
  - h. Warm freshwater habitat; and,
  - i. Fish migration.
10. The County of Monterey has completed an initial Study and Negative Declaration for the Delicato Vineyards in accordance with the California Environmental Quality Act (Public Resources Code, Section 21000, et. seq.) and the California Code of Regulations and determined there are no significant adverse environmental effects or that all potentially significant adverse effects can be avoided through implementation of mitigation measures. Mitigation measures to prevent nuisance and assure protection of beneficial uses of surface and ground waters will be implemented through this order.
11. 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 assure this and mitigate any potential adverse changes in water quality due to the discharge.

12. On April 29, 1988, the Board notified the Discharger and interested agencies and persons of its intent to adopt 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.
13. After considering all comments pertaining to this discharge during a public hearing on July 8, 1988, this Order was found consistent with the above findings.

IT IS HEREBY ORDERED, pursuant to authority in Section 13263 of the California Water Code, Delicato Vineyards, Inc., its agents, successors, and assigns, may discharge waste at its King City 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).

A. Prohibitions

1. Discharge to other than disposal areas shown in Attachment A, is prohibited.
2. Discharge of any sewage wastes to the above ground winery waste disposal areas is prohibited.

B. Discharge Specifications

1. Daily flow averaged over each month shall not exceed 25,600 gallon (100 m<sup>3</sup>).
2. Effluent discharged to disposal areas shall not exceed the following limitations:

| <u>Parameter</u>       | <u>Units</u> | <u>Daily<br/>Maximum</u> |
|------------------------|--------------|--------------------------|
| Total Dissolved Solids | mg/l         | 1500                     |
| Chloride               | mg/l         | 250                      |

3. Effluent discharged to disposal areas shall not have a pH less than 6.5 or greater than 8.4.
4. Surface drainage, except from uncovered processing areas included in hydrologic balance calculations, shall be excluded from disposal areas.

5. Freeboard shall exceed two feet in disposal areas.
6. Wastewater applied to disposal areas shall not exceed one foot in depth.
7. Wastewater disposal areas shall be regularly alternated to assure aerobic treatment conditions and prevention of nuisance.
8. On-site sewage systems shall be installed in accordance with Applicable sections for this Board's Resolution No. 83-12.
9. Disposal areas shall be leveled regularly as necessary to assure even wastewater spreading and containment.
10. Pasture grasses grown in disposal areas shall be planted, harvested, and/or disced regularly to assure pollutant removal and maintenance of permeable surface soils.

C. Ground Water Limitations


1. The discharge shall not cause nitrate concentrations in the ground water downgradient of the disposal area to exceed 8 (as N).
2. 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.
3. The discharge shall not cause concentrations of chemicals and radionuclides in ground water to exceed limits set forth in Title 22, Chapter 15, Articles 4 and 5 of the California Administrative Code.

D. Provisions

1. Above-ground disposal areas shall be protected from overflow during a 50-year rainfall season, and a 100-year, 24-hour storm.
2. Discharger shall comply with "Monitoring and Reporting Program No. 88-96," as specified by the Executive Officer.

3. Discharger shall comply with all items of the attached "Standard and Provisions and Reporting Requirements for Waste Discharge Requirements" dated January, 1984, except item Nos. A.11., A.13., and C.16.
4. Pursuant to Title 23, Chapter 3, Subchapter 9, of the California Administrative Code, the Discharger must submit a written report to the Executive Officer no later than January 1, 1993, addressing:
  - a. Whether there will be changes in the continuity, character, location or volume of the discharge; and,
  - b. Whether, in its opinion, there is any portion of the Order that is incorrect, obsolete, or other-wise in need of revision.

I, WILLIAM R. LEONARD, Executive Officer, do hereby certify that 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 July 8, 1988.

  
WILLIAM R. LEONARD  
Executive Officer

RBA:lh

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**ATTACHMENT "A"**  
**Delicato Vineyards**  
 King City Winery  
 King City, California

**Project Location**

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL COAST REGION

MONITORING AND REPORTING PROGRAM NO. 88-96

FOR

DELICATO VINEYARDS, INC.

KING CITY WINERY

MONTEREY COUNTY

Water Supply Monitoring

Representatives samples of the winery supply shall be collected and analyzed as follows:

| <u>Constituents</u>    | <u>Units</u> | <u>Type of Sample</u> | <u>Sampling Frequency</u> |
|------------------------|--------------|-----------------------|---------------------------|
| Total Dissolved Solids | mg/l         | Grab                  | Annually (October)        |
| Sodium                 | mg/l         | Grab                  | Annually (October)        |
| Chloride               | mg/l         | Grab                  | Annually (October)        |
| Sulfate                | mg/l         | Grab                  | Annually (October)        |

Influent Monitoring

Volume of the influent flow to the wastewater facilities shall be measured daily.

Effluent Monitoring

Representatives samples of the effluent discharged to the winery wastewater disposal areas shall be collected and analyzed as follows:

| <u>Constituents</u>   | <u>Units</u> | <u>Type of Sample</u> | <u>Sampling Frequency</u> |
|---|--------------|-----------------------|---------------------------|
| Total Dissolved Solids  | mg/l         | Grab                  | Annually (October)        |
| Sodium  | mg/l         | Grab                  | Annually (October)        |
| Chloride  | mg/l         | Grab                  | Annually (October)        |
| Sulfate   | mg/l         | Grab                  | Annually (October)        |
| Chemical Oxygen Demand  | mg/l         | Grab                  | Annually (October)        |
| Total Nitrogen (as N)<br>(TKN + NO <sub>2</sub> + NO <sub>3</sub> ) | mg/l         | Grab                  | Annually (October)        |

Septic tank effluent shall be visually checked at least annually. Sludge and scum accumulation in the septic tank shall be measured in November of each year. Switching of leachfields shall be logged and submitted with the annual report.

M & R Program No. 88-96

Discharge Area Inspection

The Discharger shall make at least weekly visual inspections of the treatment and disposal systems. In making inspections, the Discharger shall note compliance status with this Order, particular Discharge Prohibition A.1. A log of inspections shall be maintained and submitted with a regular reporting data.

Annual monitoring reports shall be submitted to the Regional Board by December 1, of each year.

Implementation

This first monitoring report is due December 1, 1988.

ORDERED BY: *William P. Leonard*  
Executive Officer

July 8, 1988  
Date

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