

California Regional Water Quality Control Board
North Coast Region

Order No. 99-66
ID No. 1B801260SON

Waste Discharge Requirements
for
Seghesio Wineries, Inc.
14730 Grove Street, Healdsburg

Sonoma County

The California Regional Water Quality Control Board, North Coast Region, (hereinafter the Regional Water Board) finds that:

1. E. Peter Seghesio, General Manager on behalf of Seghesio Wineries, Inc. (Seghesio Wineries, Inc. is hereinafter referred to as discharger) submitted a Report of Waste Discharge dated November 24, 1998. The report describes the upgrade to the industrial wastewater treatment system.

2. The discharger operates an established winery, including a public visitor center located at 14730 Grove Street, Healdsburg within the Russian River drainage basin. The property is located within Section 17 of T9N and R9W, MDB&M, (latitude 122 52' and longitude 38 37') of the Healdsburg quadrangle as shown on Attachment "A".

3. The Regional Water Board adopted Order No. 80-126 for Seghesio Winery, Inc. on July 25, 1980 and Order No. 86-130 on June 27, 1986.

4. Currently, industrial wastewater is collected in floor drains and trenches within the winery, at the exterior crush slab and wash down areas prior to discharge into a series of two treatment, storage and evaporation ponds. The disposal ponds are located adjacent to Foss Creek, tributary to Dry Creek, tributary to the Russian River.

5. The winery has been in operation since 1895. The discharger produces up to 100,000 cases of wine annually. This does not represent an increase in production. Industrial wastewater flows will average 3,950 gallons per day. During crush, industrial wastewater flows will average 7,500 gallons per day and peak day crush wastewater flows up to 11,500 gallons per day. Industrial wastewater consists primarily of washwater from the wine making process and related cleanup activities. Process wastewater will be treated in a facultative pond and disposed of by vineyard frost protection, irrigation and pond evaporation. The discharger has prepared a water balance to evaluate the storage and irrigation capacity of the system. Based on 10-year high rainfall conditions and the application ratio of the disposal system, system storage should be adequate for expected flow rates. The proposed improvements to the treatment and disposal system (attachment "B") will consist of the following:

a) reconfigure the two existing ponds into a lined, 1.30 million-gallon pond to function as a two-cell facultative aerated lagoon system.

b) treated industrial wastewater will be irrigated on 3.34 acres of grassland and landscaping, on the discharger's property.

6. The upgraded wastewater management system will keep the domestic and industrial flows separate. Order No. 86-130 states "Domestic waste from employee restroom facilities are discharged to an existing septic tank for treatment and then combined with the process washwater waste." As of January 1998, domestic wastewater flows are pumped to the City of Healdsburg's wastewater treatment system.

7. The discharger will utilize irrigation year round. To prevent runoff, no treated wastewater will be applied to the irrigation areas within two days of a

forecasted rain event, during rainfall, 48 hours after a rainfall event or when soils are saturated. Irrigation/disposal operations will be routinely monitored to ensure against surface runoff and ponding.

8. Solid waste (pomace, stems, seeds, lees, etc.) from the wine making process will be incorporated back into land under the control of the discharger.

9. The Regional Water Board Water Quality Control Plan for the North Coast Region includes water quality objectives and receiving water limitations.

10. The beneficial uses of the Russian River and its tributaries include:

- a. municipal and domestic supply
- b. agricultural supply
- c. industrial service supply
- d. industrial process
- e. groundwater recharge
- f. navigation
- g. hydropower generation
- h. water contact recreation
- i. non-contact water recreation
- j. commercial and sport fishing
- k. warm freshwater habitat
- l. cold freshwater habitat
- m. wildlife habitat
- n. migration of aquatic organisms
- o. spawning, reproduction, and/or early development
- p. estuarine habitat
- q. aquaculture

11. Beneficial uses of areal groundwaters include:

- a. domestic water supply
- b. agricultural water supply
- c. industrial service supply
- d. industrial process supply

12. The permitted discharge is consistent with the antidegradation provision of State Water Resources Control Board Resolution No. 68-16. The impact on existing groundwater quality will be insignificant.

13. This action to revise waste discharge requirements is Categorically Exempt from the requirements of the California Environmental Quality Act (CEQA), under Title 14, California Code of Regulations, sections 15261(b) and 15302.

14. The Regional Water 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 to submit their written comments and recommendations.

15. The Regional Water Board, in a public meeting, heard and considered all comments pertaining to the discharge.

THEREFORE, IT IS HEREBY ORDERED that Waste Discharge Requirements Order No. 86-130 are rescinded and the discharger, 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. DISCHARGE PROHIBITIONS

1. The discharge of any waste not specifically regulated by this Order is

prohibited.

2. Creation of a pollution, contamination, or nuisance, as defined by Section 13050 of the California Water Code (CWC), is prohibited. [Health and Safety Code, Section 5411]

3. The discharge of waste to land that is not under the control of the discharger is prohibited, except as authorized under C. SOLIDS DISPOSAL.

4. The discharge of untreated or partially treated waste from anywhere within the collection, treatment, or disposal facility is prohibited.

5. The discharge of waste from Seghesio Winery to the Russian River and its tributaries is prohibited.

6. The discharge of domestic waste, treated or untreated, to surface waters is prohibited.

7. The use of treated wastewater shall be restricted to designated vineyards, pastures or landscape irrigation areas.

B. EFFLUENT LIMITATIONS

1. The discharge of treated wastewater to land shall not contain constituents in excess of the following limits:

Constituent	Monthly Daily		Maximum
	Unit	Average	
BOD (20° C, 5-day)	mg/l	50	80
Suspended Solids	mg/l	50	80
Settleable Solids	ml/l	0.2	1.0

2. The mean daily flow of wastewater shall not exceed 3,950 gallons per day averaged over a calendar month except as provided for in B.3.

3. The mean daily wastewater flow shall not exceed 7,500 gallons per day as averaged over the crush period².

4. The maximum daily wastewater flow shall not exceed 11,500 gallons per day.

5. The dissolved oxygen concentration in the treatment/holding ponds shall not be less than 1.0 mg/l at any time.

6. The discharger shall maintain at least 2 feet of freeboard in the treatment/holding ponds.

C. SOLIDS DISPOSAL

1. Collected screenings, sludges, and other solids removed from liquid wastes shall be disposed of at a legal point of disposal, and in accordance with the provisions of Title 27, Division 2 of the California Code of Regulations or as waived pursuant to Section 13269 of the California Water Code.

2. Cultivated lands that receive solid wastes from the wine making process shall be managed to prevent ponding, runoff and erosion.

3. During wet weather conditions when solid wastes cannot be incorporated

into the soil or hauled off-site for disposal, the solid wastes may be temporarily stored in a designated solids storage area out of the flood plain.

4. The discharge of leachate from solids storage areas or rainfall runoff which has come into contact with the solids being stored, to the Russian River or its tributaries is prohibited.

D. WATER RECLAMATION REQUIREMENTS

1. The use of treated wastewater that results in unreasonable use or waste of the treated wastewater is prohibited.

2. The use of treated wastewater that creates a condition of pollution or nuisance is prohibited.

3. The discharger shall be responsible to insure that all users of treated wastewater comply with the terms and conditions of this Permit.

4. Treated wastewater shall be applied in such a manner so as not to exceed vegetative demand or field capacity.

5. The application of treated wastewater shall be managed to prevent ponding, runoff and erosion.

6. All piping, valves, and outlets shall be marked to differentiate treated wastewater from other sources.

7. There shall be no connection between a potable water supply and the treated wastewater distribution system.

8. There shall be no irrigation or impoundment of treated wastewater within 100 feet of any water well.

9. Adequate measures shall be taken to prevent the breeding of insects and other vectors of health significance.

10. Perimeter warning signs indicating treated wastewater use shall be posted at least every 500 feet with a minimum of a sign at each corner and access road.

E. PROVISIONS

1. A copy of this Order shall be maintained at the discharge facility and be available at all times to operating personnel.

2. Severability

Provisions of these waste discharge requirements are severable. If any provision of these requirements is found invalid, the remainder of these requirements shall not be affected.

3. Operation and Maintenance

The discharger must 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.

4. Change in Discharge

The discharger must promptly report to the Regional Water Board any material change in the character, location, or volume of the discharge.

5. Change in Ownership

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 must notify the succeeding owner or operator of the following items by letter, a copy of which must be forwarded to the Regional Water Board:

- a. existence of this Order, and
- b. the status of the dischargers' annual fee account

6. Vested Rights

This Order does not convey any property rights of any sort or any exclusive privileges. The requirements prescribed herein do not authorize the commission of any act causing injury to persons or property, nor protect the discharger from his liability under federal, State, or local laws, nor create a vested right for the discharger to continue the waste discharge.

7. Monitoring

The discharger must comply with the Contingency Planning and Notification Requirements Order No. 74-151 and the Monitoring and Reporting Program No. 99-66 and any modifications to these documents as specified by the Executive Officer. Such documents are attached to this Order and incorporated herein. Chemical, bacteriological, and bioassay analyses must be conducted at a laboratory certified for such analyses by the State Department of Health Services.

8. Inspections

The discharger shall permit authorized staff of the Regional Water Board:

- 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.

9. Noncompliance

In the event the discharger is unable to comply with any of the conditions of this Order due to:

- a. breakdown of waste treatment equipment;
- b. accidents caused by human error or negligence; or
- c. other causes such as acts of nature;

the discharger must notify the Executive Officer 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 notification shall include pertinent information explaining reasons for the noncompliance and shall indicate the steps taken to correct the problem and the dates thereof, and the steps being taken to prevent the problem from recurring.

10. Revision of Requirements

This Regional Water Board requires the discharger to file 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. The Regional Water Board will review this Order periodically and may revise requirements when necessary.

Certification

I, Lee A. Michlin, 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, North Coast Region, on September 23, 1999.

Lee A. Michlin
Executive Officer

(seghecomdr9.doc)

1 The mean of all samples collected in a calendar month.

2 The crush period is defined as the time of year during which the facility is processing the seasonal grape harvest. A typical crush period is 60 days in length and may occur from August through November.

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