

California Regional Water Quality Control Board
North Coast Region

Monitoring and Reporting Program No. R1-2005-0045

For

General Waste Discharge Requirements

For

Discharges Of Winery Waste To Land

For

Lolonis Vineyard, Inc.

Mendocino

This Monitoring and Reporting program (MRP) incorporates requirements for monitoring of the process wastewater effluent and groundwater.

SEPTIC TANK MONITORING

Maintenance and Inspection

1. The discharger shall make surface inspections of all septic tanks, lift stations and leachfields not less than monthly to record any odors, evidence of surfacing effluent or other signs of malfunction or improper operation. Septic tanks shall be inspected and pumped as described below. An inspection is not required during the year a septic tank is pumped.

<u>Parameter</u>	<u>Units</u>	<u>Type of Measurement</u>	<u>Minimum Inspection Frequency</u>
Sludge depth and scum thickness in each compartment of each septic tank.	Feet	Staff Gauge	Annually (by April of each year)
Distance between bottom of scum layer and bottom of outlet device.	Inches	Staff Gauge	Annually (by April of each year)
Distance between top of sludge layer and bottom of outlet device.	Inches	Staff Gauge	Annually (by April of each year)

2. Septic tanks shall be pumped when any one of the following conditions exist or may occur before the next inspection:
 - a. The combined thickness of sludge and scum exceeds one-third of the tank depth of the first compartment; or,
 - b. The scum layer is within three inches of the outlet device; or,
 - c. The sludge layer is within eight inches of the outlet device.
3. In lieu of septic tank measuring, the septic tank may be pumped annually.

LEACHFIELD MONITORING

1. Self-monitoring should include monthly visual inspections of the leachfields for over-saturation in the form of standing wastewater accumulation. In addition, a monthly visual monitoring of the flushing assembly enclosure to observe the water level shall be made. A summary of the visual monitoring shall be submitted to the Regional Water Board quarterly, by January 15, April 15, July 15, and October 15 of every year.
2. The discharger shall monitor the monthly water usage to estimate the total industrial wastewater flow to the septic/leach field system. Reports containing the flow data shall also be submitted to the Regional Water Board quarterly of every year. The report shall include the daily volume of treated wastewater discharged to the disposal fields on the day of the inspection, any observations indicating non-compliance with provisions of waste discharge requirements and any other pertinent information. All flow measurement devices shall be tested annually and their accuracy certified. Certification shall be submitted with the annual monitoring report.

GROUNDWATER MONITORING

The purpose of groundwater monitoring is to determine compliance with quality objectives for groundwater in the vicinity of the discharger's subsurface process wastewater disposal system. The groundwater monitoring shall be as follows:

1. **Monitoring Locations**

The groundwater monitoring well network shall consist of a minimum of two monitoring wells located downgradient of the leachfield and one groundwater monitoring well shall be installed upgradient of the wastewater disposal system to measure background water quality. Additional monitoring wells shall be added to the monitoring network as needed.

Prior to construction and/or sampling of any groundwater monitoring wells, the discharger shall submit plans and specifications to the Board for review and approval. Once installed, all new wells shall be added to the MRP and shall be sampled and analyzed according to the schedule below. All samples shall be collected using approved EPA methods and water table elevations shall be calculated and used to determine groundwater gradient and direction of flow.

2. **Monitoring Schedule**

Groundwater samples shall be collected from monitoring wells on a quarterly basis. Prior to sampling, the groundwater elevations shall be measured and the wells shall be purged at least three well volumes until temperature, pH and electrical conductivity have stabilized. Depth to groundwater shall be measured to the nearest 0.01 feet.

Groundwater monitoring shall include, at a minimum, the following:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling and Reporting Frequency</u>
Depth to Groundwater	0.01 feet	Measurement	Quarterly
Groundwater Elevation ¹	0.01 feet	Calculated	Quarterly
Gradient	feet/feet	Calculated	Quarterly
pH	std.	Grab	Quarterly
Nitrate as Nitrogen	mg/L	Grab	Quarterly
Total Kjeldahl Nitrogen	mg/L	Grab	Quarterly
Total Dissolved Solids	mg/L	Grab	Quarterly
Sulfate	mg/L	Grab	Quarterly
Standard Minerals ²	mg/L	Grab	Quarterly

REPORTING

1. In reporting the monitoring data, the discharger shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized in such a manner as to illustrate clearly whether the discharge complies with WDRs. The highest daily maximum for the month, monthly and weekly averages should be determined and recorded.
2. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

¹ Groundwater elevation shall be determined based on depth-to-water measurements from a surveyed measuring point elevation on the well.

² Standard Minerals shall include the following: calcium, magnesium, potassium, sodium, chloride, total alkalinity (including alkalinity series) and hardness.

3. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurement(s);
 - b. The individual(s) who performed the sampling or measurement(s);
 - c. The date(s) analysis were performed;
 - d. The individual(s) who performed the analysis;
 - e. The analytical techniques or method used; and
 - f. The results of such analysis.
4. If the discharger monitors any pollutant at the locations designated herein more frequently than is required by this Order, the results of such monitoring shall be included in the calculation and reporting of the values required in the discharge monitoring report form. Such increased frequency shall be indicated on the discharge monitoring report form.
5. The discharger shall submit an annual report to the Regional Water Board by January 15 of each year. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous year. In addition, the Discharger shall discuss the compliance record and the corrective actions taken or planned that may be needed to bring the discharge into full compliance with the General WDRs.
6. The Regional Water Board is beginning to implement electronic submittal of monitoring reports. Dischargers interested in submitting monitoring reports electronically should contact the Regional Water Board for more information.
7. The discharger shall implement the above monitoring program on the first day of the month following the effective date of coverage under these general WDRs.
8. Monitoring reports shall be submitted to the North Coast Regional Water Quality Control Board (Regional Water Board) by the 30th day of the following month. Quarterly reports shall be submitted by January 15, April 15, July 15, and October 15 of each year. Annual reports shall be submitted by January 15 of the following year.
9. Signatory Requirements
 - a. All application reports or information to be submitted to the Regional Water Board Executive Officer shall be signed and certified as follows:
 - 1) For a corporation: by a principal executive officer or at least the level of vice president; or
 - 2) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively.

- b. All reports required by this Order and other information requested by the Regional Water Board shall be signed by a person described in paragraph (a) of this provision or by a duly authorized representative of that person. A person is a duly authorized representative only if:
 - 1) The authorization is made in writing by a person described in paragraph (a) of this provision;
 - 2) The authorization specified either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company (a duly authorized representative may thus be either a named individual or any individual occupying a named position) and,
 - 3) The written authorization is submitted to the Regional Water Board Executive Officer.
- c. If an authorization under paragraph (b) of this provision is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of paragraph (b) of this provision shall be submitted to the Regional Water Board Executive Officer prior to or together with any reports, information, or applications, to be signed by an authorized representative.
- d. Any person signing a document under paragraph (a) or (b) of this provision shall make the following certification:

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”
[CWC 13263, 13267, and 13268]

Ordered by _____
Catherine E. Kuhlman
Executive Officer

May 23, 2005