

California Regional Water Quality Control Board
North Coast Region

MONITORING AND REPORTING PROGRAM NO. R1-2010-0051

For

**Sonoma Cutrer Winery
DOMESTIC WASTEWATER TREATMENT FACILITY
4401 Slusser Road, Windsor
WDID NO.1B081152OSON**

Sonoma County

MONITORING

A. Wastewater Volume

The Discharger shall determine and record the weekly average waste flow in gallons per day (GPD) being discharged to the sub-surface disposal fields. The weekly flow rates and the average daily flow rate for each month shall be reported on the quarterly monitoring report. All flow measurement devices shall be tested annually and their accuracy verified. Verification shall be submitted with the annual monitoring report.

B. Treatment System

The Discharger shall conduct surface inspections of the septic tank, pretreatment unit, recirculation tank, vent fan and pump station no less than weekly to report any odors, leaks or other signs of malfunction or improper operation.

C. Disposal Field Inspections

The Discharger shall thoroughly inspect the sub surface disposal field once per month and shall note and record any odors, evidence of surfacing wastewater or other signs of malfunction.

D. Septic Tanks

The Discharger shall measure the sludge and scum levels in each compartment of the septic tanks annually. Septic tanks shall be pumped clean if the bottom of the scum layer is within three inches of the bottom of the outlet device, or if the top of the sludge layer is within eight inches of the bottom of the outlet device, or if the combined thickness of sludge and scum exceeds one-third of the tank depth of the first compartment. The following values shall be reported for each annual observation:

1. Sludge depth in each compartment of each septic tank.
2. Scum thickness in each compartment of each septic tank.
3. Distance between the bottom of the scum layer and the bottom of the outlet device.
4. Distance between the top of the sludge layer and the bottom of the outlet device.
5. The date and waste hauler information whenever a septic tank is pumped. Receipts from the properly licensed waste hauler shall be submitted in conjunction with monthly reports whenever tank pumping occurs.

E. Effluent Monitoring

The Discharger shall collect effluent samples prior to discharge to the sub-surface wastewater disposal field to determine treatment system efficiency and suitability for disposal. The effluent monitoring shall be as follows:

Table 1 Effluent Monitoring Constituents

Constituent	Units	Type of Sample	Frequency
Suspended Solids	mg/l	Grab	Quarterly
Settleable Solids	mg/l	Grab	Quarterly
Total Nitrogen	mg/l	Grab	Quarterly
Nitrate Nitrogen	mg/l (as N)	Grab	Quarterly

F. Monitoring Wells

The Discharger shall sample groundwater collected from monitoring wells to determine compliance with water quality objectives for groundwater in the vicinity of the sub-surface wastewater disposal system.

1. Monitoring Locations

A minimum of three groundwater monitoring wells shall be sampled twice yearly, during seasonal high and seasonal low groundwater conditions. Additional monitoring wells shall be added to the monitoring network as needed. Groundwater samples shall be collected for the constituents specified in Table 2.

2. Monitoring Schedule

Groundwater samples shall be collected from the groundwater monitoring wells twice yearly, during seasonal high and seasonal low groundwater conditions, and analyzed for the following constituents:

Table 2 Groundwater Monitoring Constituents

Constituent	Units	Type of ample	Frequency
Total Nitrogen	mg/l	Grab	Twice Yearly
Nitrate Nitrogen	mg/l (as N)	Grab	Twice Yearly
Fecal Coliform Bacteria	MPN/ 100ml	Grab	Twice Yearly

3. Groundwater Elevation Monitoring

The groundwater surface elevation in all wells shall be measured on a quarterly basis and used to determine groundwater depth and direction of flow. For each monitored groundwater well, the Discharger shall measure the water level and determine groundwater gradient and direction at least annually. Groundwater measurements shall be made prior to purging the well and sampling. The information for each monitoring well shall include top of casing elevation, the calculated depth to groundwater, and water table elevation for each monitoring well. This information shall be included in the annual monitoring report.

REPORTING

G. Pump Maintenance and System Repairs

The discharger shall report all pump maintenance and system repairs that occur during each reporting period.

H. Noncompliance

All instances of noncompliance that may endanger the health of the environment shall be reported orally to the Regional Water Board as soon as possible, but no later than 2 hours from the time the Discharger becomes aware of the circumstances, and a written report shall be submitted such that an original signed written copy is received by the Regional Water Board no later than five days after the event.

I. Spill Reporting

All instances of noncompliance that may endanger public health or the environment shall be reported orally¹ to the Regional Water Boards as soon as possible, but no later than 2 hours from the time this Discharger becomes aware of the circumstances, and a written report shall be submitted such that an original signed written copy is received by the Regional Water Board no later than five days after the event.

J. Quarterly Monitoring Reports

For each quarter, a self-monitoring report shall be submitted to the Regional Water Board in accordance with the following:

1. The report shall be submitted by the 15th day of the following month following the end of the quarter, as follows:

Table 3 Monitoring Report Due Dates

Reporting Period	Monitoring Period	Report Due Date
1 st Quarter	January 1 – March 31	April 15 th
2 nd Quarter	April 1 – June 30	July 15 th
3 rd Quarter	July 1 – September 30	October 15 ^{th t}
4 th Quarter	October 1 – December 31	January 15 th

2. *Letter of Transmittal*: Each report shall be submitted with a letter of transmittal. This letter shall include the following:
 - a. Identification of facility: Name, Address, Order number, and WDID number;
 - b. Date of report and monitoring period;
 - c. Identification of all violations of permit conditions found during the monitoring period;
 - d. Details of the violations: parameters, magnitude, test results, frequency, and dates;

¹ Oral reporting means direct contact with a Regional Water Board staff person. The oral report may be given in person or by telephone. After business hours, oral contact must be made by calling the State Office of Emergency Services at (800) 852-7550 and Regional Water Board spill officer at (707) 576-2220.

- e. The cause of the violation;
- f. Discussion of corrective actions taken or planned to resolve violations and prevent recurrence, and dates or time schedule of action implementation;
- g. Other relevant information including, but not limited to, incidents of wastewater treatment and collection system equipment failure, results of visual observations, and reports of wastewater spills or surfacing effluent;
- h. Authorized signature and certification statement.

3. *Results of Analyses and Observations*

- a. Tabulations of all required analyses, including parameter, sample date and time, sample station, and test result;
- b. Written summary of results of all visual monitoring conducted during the monitoring period that indicate non-compliance with provisions of waste discharge requirements;
- c. If the Discharger monitors any pollutant at the point of compliance or conducts visual inspection more frequently than required by this Permit, using test procedures approved under 40 CFR Part 136 or as specified in this permit, the results of this monitoring shall be included in the calculation and report of the data submitted in the discharger monitoring report.

4. *Report Submittal*: Copies of each monitoring report shall be mailed to:

North Coast Regional Water Quality Control Board
5550 Skylane Boulevard, Suite A
Santa Rosa, CA 95403

K. Annual Monitoring Reports

The Discharger shall submit an annual report to the Regional Water Board for each calendar year. The report shall be submitted so that it is received by the Regional Water Board by January 15th of the following year. At a minimum, the report shall include the following:

1. Tabular and, where appropriate, graphical summaries of the monitoring data and disposal records from the previous year; and
2. A comprehensive discussion of the facility's compliance with waste discharge requirements, and the corrective actions taken or planned which may be needed to bring the discharge into full compliance with State Water Board Water Quality Order No. 97-10-DWQ.

L. Certification

All reports required by this Monitoring and Reporting program or other information requested by the Regional Water Board, or the State Water Resources Control Board shall be signed by the principal executive officer or a duly authorized representative of that person. Any person signing a document under this requirement 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.”

Ordered by: _____

Catherine Kuhlman
Executive Officer

May 4, 2010