

California Regional Water Quality Control Board
North Coast Region

MONITORING AND REPORTING PROGRAM NO. R1-2009-0022

FOR

ROSSO & BIANCO WINERY
ON-SITE DOMESTIC WASTEWATER TREATMENT SYSTEM

Sonoma County

California Water Code sections 13267 and 13383 authorize the Regional Water Quality Control Board (Regional Water Board) to require technical and monitoring reports. This monitoring and reporting program establishes monitoring and reporting requirements, which implement the state regulations. Any person failing to furnish technical or monitoring reports or falsifying any information therein is guilty of a misdemeanor, and may be subject to civil liability. (Water Code section 13268)

FLOW MEASUREMENT

Influent

The Discharger shall measure Influent Wastewater Flows entering the Membrane Bioreactor (MBR) Wastewater Treatment System. Influent Flow shall be measured continuously, and recorded daily. Influent Flow measurements shall be reported in the quarterly monitoring report.

Effluent

The Discharger shall measure the Treated Effluent Flows discharged to the Vineyard Disposal Area and to the Undeveloped Native Oak Habitat Disposal Area. Effluent flow rates shall be measured daily, at the designated flow meter locations. Effluent flow measurements shall be reported in the quarterly monitoring report and shall include the volume of effluent discharged each day to the individual disposal area; the time frame of the discharge(s); and the discharge rate(s).

All flow measurement devices shall be tested annually and their accuracy certified. Certification shall be submitted with the 4th Quarter monitoring report.

WASTE WATER TREATMENT

The Discharger shall monitor treatment system performance weekly for the following constituents. Samples shall be collected at a location following the MBR treatment process and prior to disinfection. MBR effluent results shall be reported in the quarterly monitoring report.

Constituent	Location	Units	Type of Sample
Biochemical Oxygen Demand	MBR EFF-1	mg/L	Grab
Total Suspended Solids	MBR EFF-1	mg/L	Grab
Nitrate	MBR EFF-1	mg/L	Grab
Ammonia	MBR EFF-1	mg/L	Grab
Turbidity	MBR EFF-1	NTU	Grab

The Discharger shall monitor disinfection performance as follows. Samples shall be collected at a location following chlorination in the effluent storage tank and prior to disposal via drip irrigation. Storage Tank effluent results shall be reported in the quarterly monitoring report.

Constituent	Location	Units	Type of Sample	Sampling Frequency
Chlorine Residual	ST EFF-2	mg/L	Grab	Daily, Prior to any Discharge
Total Coliform Bacteria	ST EFF-2	MPN/100 ml	Grab	Monthly

Each quarterly report shall present all data for a calendar year in a tabular fashion and evaluate long term and seasonal performance. Date, time and name of sampler shall be recorded.

SYSTEM MAINTENANCE

1. Within 45 days issuance of a final operating permit by the County of Sonoma, the Discharger shall provide evidence that a licensed operator will be operating and maintaining the MBR package wastewater treatment plant and disposal system. A licensed operator shall be retained for the operating life of the system. In the event that the operator is changed, the Discharger shall notify the Regional Water Board within thirty days of the change. Each quarterly report shall include the name of the operator and certify that he/she is operating and maintaining the MBR package treatment plant and disposal system.
2. Within 45 days of issuance of a final operating permit by the County of Sonoma, the Discharger shall provide an emergency response plan describing alarm notifications, on-call staff, and emergency notification procedures including the responsibilities of the licensed operator and all other Rosso & Bianco Winery staff.
3. Within 45 days of issuance of a final operating permit by the County of Sonoma, the Discharger shall submit a copy of a site-specific Operations and Maintenance Manual for the entire collection, treatment and disposal system.
4. System Maintenance, required by the Operations and Maintenance Manual, shall be conducted quarterly. Quarterly reports shall include a description of the system

maintenance required along with a description of adjustments, cleanings and significant repairs that were made.

5. The Discharger shall conduct visual inspections of the grease interceptors, the equalization sump tank, the solids holding tank, the sludge storage tank and pump stations, no less than weekly. Inspection notes, along with documentation of the pumping and disposal of the tanks contents, shall be included in the quarterly monitoring report.
6. The Disposal areas shall be inspected daily during times of drip irrigation disposal so as to record any evidence of effluent surface runoff, or signs of malfunction or improper operation.

REPORTING

During the first year of operation, the Discharger shall submit quarterly reports. Reports shall be submitted by the first day of the second month following sampling, as follows:

Reporting period	Monitoring Period	Report Due Date
1 st Quarter	January 1 – March 31	May 1 st
2 nd Quarter	April 1 – June 30	August 1 st
3 rd Quarter	July 1 – September 30	November 1 st
4 th Quarter	October 1 – December 31	February 1 st

After one year, with concurrence of the Executive Officer, the discharge may petition for a reduction in monitoring and reporting frequency. The report shall include, at a minimum, the following:

1. *A 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;
 - 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 the run off of effluent;
 - h. Authorized signature and certification statement.

2. *Results of Analyses and Observations*

- a. All analysis or measurements conducted pursuant to the County of Sonoma Code and Standards.
- b. The results of flow monitoring (in gallons per day) for each day of the quarter. For periods of no discharge to the disposal areas, the monitoring reports shall indicate no discharge;
- c. Any observations indicating spills, run-off of effluent, equipment malfunction or inundation of any part of the system by flood waters;
- d. Tabulations of all required analyses, including parameter, sample date and time, sample station, and test result;
- e. The date and results of the required internal visual inspection of grease interceptors, equalization sump tank, solids tank and sludge tank and, when applicable, the volume of waste pumped from individual tanks; and
- f. If the Discharger monitors any pollutant at the locations designated in the Permit more frequently than is required by the Permit, the results of such monitoring shall be included in the calculation and reporting of any values required in the discharge monitoring report.

3. *Annual Evaluation*

By February 1st of each year, the Discharger shall present an evaluation of the previous year's data, system performance in relation to design capacity, system maintenance, and a review of noncompliance, effluent limitation exceedances and system alterations.

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

James Johnson
Well and Septic Division
Sonoma County Permit Resource Management Department
2550 Ventura Ave.
Santa Rosa, CA 95403

Ordered by: _____

Catherine Kuhlman
Executive Officer

February 25, 2009