

California Regional Water Quality Control Board  
North Coast Region

MONITORING AND REPORTING PROGRAM NO. R1-2011-0092

FOR

FRANCIS FORD COPPOLA WINERY  
ON-SITE DOMESTIC WASTEWATER TREATMENT SYSTEM  
300 Via Archimedes  
Geyserville, California

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 Permittee shall measure influent wastewater flows entering the Membrane Bioreactor (MBR) wastewater treatment system. Influent flow shall be measured continuously in gallons per day (GPD), and recorded daily. Influent flow measurements shall be reported in the quarterly monitoring report.

#### Effluent

The Permittee shall measure the treated effluent flows discharged to the vineyard disposal area and to the oak habitat disposal area. Effluent flow rates shall be measured daily in gallons per day (GPD), at the designated flow meter locations. Effluent flow measurements shall be reported in the quarterly monitoring report and shall include the following: volume of effluent discharged each day to the individual disposal areas; the time frames of the discharge(s); and the discharge rate(s).

All flow measurement devices shall be tested annually and their accuracy verified. Verification shall be submitted with the 4<sup>th</sup> Quarter monitoring report.

### WASTEWATER TREATMENT

The Permittee shall monitor treatment system performance monthly for the following constituents:

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 (as N)	MBR EFF-1	mg/L	Grab
Turbidity	MBR EFF-1	NTU	Grab

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.

The Permittee shall monitor disinfection performance as follows:

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

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.

### SYSTEM MAINTENANCE

1. A qualified operator shall be retained for the operating life of the MBR package treatment plant and disposal system. In the event that the operator is changed, the Permittee 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. By November 1, 2011, the Permittee shall provide an emergency response plan describing alarm notifications, on-call staff, and emergency notification procedures including responsibilities of the Francis Ford Coppola Winery staff.
3. By November 1, 2011, the Permittee shall submit a copy of a site-specific Operations and Maintenance Manual for the entire collection, treatment and disposal system.
4. System Maintenance activities, required by the Operations and Maintenance Manual, shall be reported 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 Permittee 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 monthly. Inspection notes, along with documentation of the pumping and disposal of the tank 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

### Quarterly Reports

The Permittee shall submit quarterly monitoring reports. Reports shall be submitted by, or prior to, the first day of the second month following the end of the monitoring period, as follows.

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

Quarterly reports 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 runoff of effluent; and
- h. Authorized signature and certification statement.

## 2. *Results of Analyses and Observations*

- a. 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;
- b. Any observations indicating spills, runoff of effluent, equipment malfunction or inundation of any part of the system by flood waters;
- c. Tabulations of all required analyses, including parameter, sample date and time, sample station, and test results;
- d. The date and results of the required 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
- e. If the Permittee 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.

### Annual Report

By February 1<sup>st</sup> of each year, the Permittee shall submit an annual report. The annual report shall include the following information regarding the previous year's operation: an evaluation of monitoring data, including all effluent limitation exceedances; an evaluation of treatment and disposal system performance in relation to design capacity; maintenance activities that took place; and any alterations made to the treatment or disposal system.

Report Submittal

The quarterly monitoring reports and annual report shall be mailed to:

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

Mr. 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

August 22, 2011