California Regional Water Quality Control Board
North Coast Region

MONITORING AND REPORTING PROGRAM No. R1-2019-0048
(Rescinds and Replaces Monitoring and Reporting Program No. R1-2017-0013)
FOR
VIRGINIA DARE WINERY WASTEWATER TREATMENT FACILITY
Sonoma County
(WDID No. 1B83017OSON)

California Water Code (Water Code) section 13267 authorizes the Regional Water Quality Control Board (Regional Water Board) to require technical and monitoring reports. This monitoring and reporting program (MRP) establishes monitoring and reporting requirements, which implement state regulations, ensure protection of water quality and are necessary to evaluate compliance with Waste Discharge Requirements Order No. R1-2017-0013. As such, the burden, including costs, of this monitoring and reporting bears a reasonable relationship to the need for the information and benefits to be obtained from that information. The failure to furnish any of the required reports, or the submittal of substantially incomplete reports or false information, is a misdemeanor, and may result in additional enforcement actions, including issuance of an Administrative Civil Liability (ACL) Complaint pursuant to Water Code section 13268. Liability may be imposed pursuant to Water Code section 13268 in an amount not to exceed one thousand dollars ($1,000) for each day in which the violation occurs.

This Monitoring and Reporting Program rescinds and replaces Monitoring and Reporting Program No. R1-2017-0013.

Under the authority of California Water Code section 13267, the Discharger named above (Virginia Dare Winery) is required to comply with the following:

I. GENERAL MONITORING PROVISIONS

A. If the Discharger monitors any waste constituent more frequently than required by this Order, using test procedures as specified in this Order, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the quarterly and annual self-monitoring reports.

B. Laboratories analyzing monitoring samples shall be certified by the State Water Resources Control Board, Division of Drinking Water, in accordance with the provision of Water Code section 13176 and must include quality assurance/quality control data with their reports.

C. Compliance monitoring analyses shall be conducted using commercially available and reasonably achievable detection limits that are lower than the applicable effluent limitation. If no minimum level (ML) value is below the effluent limitation, the lowest ML shall be selected as the reporting level (RL).

II. MONITORING LOCATIONS

The Discharger shall establish the following monitoring locations to demonstrate compliance with the effluent limitations, discharge specifications, and other requirements in this Order:

Monitoring Location	Description	Discharge Point
INF-001 (formerly COM-001)	Flowmeter prior to POND-001, to demonstrate compliance with Order section III.E.	N/A
POND-001	Grab sample location from Pond 1 to demonstrate compliance with Order section VII	N/A
POND-002	Grab sample location from Pond 2 to demonstrate compliance with Order section VII	N/A
EFF-001	Sump located after Pond 2, to demonstrate compliance with Order section VI.A	001
IRR-001	Flowmeter following EFF-001 sump, to demonstrate compliance with Order section VIII	001

III. FLOW MONITORING

A. Monitoring Location INF-001. The Discharger shall measure and record the average daily volume of process wastewater at monitoring location INF-001 as follows:

Parameter	Units	Sample Type	Sampling Frequency
Process Wastewater	Gallons per Day (GPD)	Meter	Daily

B. Monitoring Location IRR-001. The Discharge shall measure and record the average daily volume of treated process wastewater used as irrigation water at monitoring location IRR-001 as follows:

Parameter	Units	Sample Type	Sampling Frequency
Treated Wastewater	Gallons per Day (GPD)	Meter	Daily

IV. EFFLUENT MONITORING

A. Monitoring Location EFF-001. When discharging at Discharge Point 001, the Discharger shall monitor the treated wastewater effluent at Monitoring Location EFF-001 prior to reuse as follows:

Parameter	Units	Sample Type	Sampling Frequency
pH	Std. units	Grab	Quarterly
Biochemical Oxygen Demand (5-day @ 20° C	mg/L	Grab	Quarterly
Total Suspended Solids	mg/L	Grab	Quarterly
Nitrate as N	mg/L	Grab	Quarterly

V. OTHER MONITORING

A. Wastewater Treatment Ponds. The Discharger shall monitor the wastewater held in the wastewater treatment ponds, at monitoring locations POND-001 and POND-002 as follows:

Parameter	Units	Sample Type	Sampling Frequency
Pond Free Board	Feet	Measured	Monthly
Odors	---	Observation	Monthly
Dissolved Oxygen	mg/L	Grab	Quarterly

VI. SOLIDS MONITORING

A. Process Solids. The Discharger shall monitor process solids as follows:

Parameter	Units	Sample Type	Sampling Frequency
Depth of Settled Solids in Pond 1	Feet	Measured	5 Years
Depth of Settled Solids in Pond 2	Feet	Measured	5 Years
Solids removed from Pond 1	$Feet^3$	Measured	Annually
Solids removed from Pond 2	$Feet^3$	Measured	Annually
Solids applied to LAA	$Feet^3$/acre	Calculated	Annually

VII. REPORTING REQUIREMENTS

A. Self-Monitoring reports (SMRs).

1. The Discharger shall submit quarterly SMRs on the first day of the second month following the quarter. The SMR shall include results for all monitoring specified in this MRP. Monitoring results shall include complete laboratory

data sheets for each analysis and be submitted in conjunction with the quarterly SMR.

2. Monitoring periods for all required monitoring shall be completed according to the following schedule:

Sampling Frequency	**Monitoring Period Begins**	**Monitoring Period**
Daily	September 12, 2019	(Midnight through 11:59 PM) or any 24-hour period that reasonably represents a calendar day for purposes of sampling.
Monthly	September 12, 2019	1st day of calendar month through last day of calendar month
Quarterly	September 12, 2019	. January through March . April through June . July through September October through December
Annually	September 12, 2019	January 1 through December 31
5 Years	September 12, 2019	1st day of first calendar year through last day of fifth calendar year

3. Reporting Protocols. The Discharger shall report with each sample result the applicable Minimum Level (ML), the Reporting Level (RL) and the current Method Detection Level (MDL), as determined by the procedure in Standard Methods. The Discharger shall report analytical results for the presence of chemical constituents in samples using the following reporting protocols:

   a. Sample results greater than or equal to the reported ML shall be reported as measured by the laboratory (i.e., the measured chemical concentration in the sample).

   b. Sample results less than the RL, but greater than or equal to the laboratory's MDL, shall be reported as Detected, but Not Quantified (DNQ). The estimated chemical concentration of the sample shall also be reported.

      For the purposes of data collection, the laboratory shall write the estimated chemical concentration next to DNQ as well as the words Estimated Concentration (Est. Conc.). The laboratory may, if such information is available, include numerical estimates of the data quality for the reported result. Numerical estimates of data quality may be percent accuracy (a percentage of the reported value), numerical ranges (low to high), or any other means considered appropriate by the laboratory.

c. Sample results less than the laboratory's MDL shall be reported as Not Detected (ND).

d. Dischargers are to instruct laboratories to establish calibration standards so that the ML value (or its equivalent if there is differential treatment of samples relative to calibration standards) is the lowest calibration standard. At no time is the Discharger to use analytical data derived from extrapolation beyond the lowest point of the calibration curve.

4. SMR Format Submission. The Discharger shall submit SMRs in accordance with the following requirements:

   a. The Discharger shall arrange all reported data in a tabular format. The data shall be summarized to clearly illustrate whether the facility is operating in compliance with effluent limitations and other requirements of this Order.

   b. The Discharger shall attach a cover letter to the SMR. The information contained in the cover letter shall clearly identify:
      i. Facility name and address;
      ii. WDID number;
      iii. Applicable period of monitoring and reporting;
      iv. Violations of the WDRs (identified violations must include a description of the requirement that was violated and a description of the violation);
      v. Corrective actions taken or planned; and
      vi. The proposed time schedule for corrective actions.

B. Annual Report. The Discharger shall submit an annual report to the Regional Water Board for each calendar year. The report shall be submitted by March 1 of the following year. The report shall at a minimum include the following:

   1. Monitoring Data Summaries. Both tabular and where appropriate graphical summaries of the monitoring data and disposal records from the previous year.

   2. Compliance Reporting. A comprehensive discussion of the Facility's compliance (or lack thereof) with the requirements of the Order. Include the corrective actions taken or planned to bring the discharge into full compliance with the Order.

C. Spill Notification. Information regarding all spills and unauthorized discharges that may endanger health or the environment shall be provided verbally to the Regional Water Board[1] within 24 hours from the time the Discharger becomes aware of the circumstances and a written report shall be provided within five (5) days of the time the Discharger becomes aware of the circumstances.

[1] The contact number of the Regional Water Board during normal business hours is (707) 576-2220. After normal business hours, spill reporting to the California Office of Emergency Services Warning Center (CalOES) will satisfy the 24-hour spill reporting requirement for the Regional Water Board. The contact phone number for spill reporting to CalOES is (800) 852-7550.

Information to be provided verbally to the Regional Water Board includes:

1. Name and contact information of caller;
2. Date, time and location of spill occurrence;
3. Estimates of spill volume, rate of flow, and spill duration, if available and reasonably accurate;
4. Surface water bodies impacted, if any;
5. Any adverse impacts observed, if any;
6. Cause of spill, if known at the time of the notification;
7. Cleanup actions taken or repairs made at the time of the notification; and
8. Responding agencies.

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Ordered by: _____

Matthias St. John
Executive Officer