

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM NO. R5-2007-0832

FOR
BARIANI OLIVE OIL, LLC
BARIANI OLIVE OIL PROCESSING FACILITY
YOLO COUNTY

This monitoring and reporting program (MRP) incorporates requirements for monitoring of olive processing wastewater, residual solids (paste and pits), and land application areas. This MRP replaces MRP No. R5-2003-0106. The Discharger shall not implement any changes to this MRP unless and until a revised MRP is issued by the Executive Officer.

Monitoring and sampling are required only during months when wastes are generated at the facility, including periods before and after the processing season when equipment is being cleaned and tested (typically late October through late December).

Section 13267 of the California Water Code states, in part:

In conducting an investigation specified in subdivision (a), the regional board may require that any person who has discharged, discharges, or is suspected of having discharged or discharging, or who proposes to discharge waste within its region, or any citizen or domiciliary, or political agency or entity of this state who has discharged, discharges, or is suspected of having discharged or discharging, or who proposes to discharge, waste outside of its region that could affect the quality of waters within its region shall furnish, under penalty of perjury, technical or monitoring program reports which the regional board requires. The burden, including costs, of these reports shall bear a reasonable relationship to the need for the report and the benefits to be obtained from the reports. In requiring those reports, the regional board shall provide the person with a written explanation with regard to the need for the reports, and shall identify the evidence that supports requiring that person to provide the reports.

Section 13268 of the California Water Code states, in part:

(a) Any person failing or refusing to furnish technical or monitoring program reports as required by subdivision (b) of Section 13267, or failing or refusing to furnish a statement of compliance as required by subdivision (b) of Section 13399.2, or falsifying and information provided therein, is guilty of a misdemeanor and may be liable civilly in accordance with subdivision (b).

(b)(1) Civil liability may be administratively imposed by a regional board in accordance with Article 2.5 (commencing with section 13323) of Chapter 5 for a violation of subdivision (a) in an amount which shall not exceed one thousand dollars (\$1,000) for each day in which the violation occurs.

In order to ensure that staff has sufficient information to determine whether enforcement action is appropriate, and to ensure compliance with applicable laws and regulations, Bariani Olive Oil, LLC is hereby directed to submit the following reports pursuant to Section 13267 of the

California Water Code. Bariani Olive Oil, LLC owns and operates the facility cited herein and is responsible for all waste generated at the facility.

FLOW MONITORING

The daily volume of wastewater and paste shall be monitored using a flow meter or measurement of the waste in the storage tank and sump and shall be reported in gallons per day in accordance with the following schedule:

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Volume of Olive Rinse Wastewater	gallons	Measurement	Daily	Monthly
Volume of Equipment Cleaning Wastewater	gallons	Measurement	Daily	Monthly
Volume of Paste	gallons	Measurement	Daily	Monthly

OLIVE RINSE WATER MONITORING

Samples of olive rinse water and other wastewaters discharged to the wastewater storage tank shall be collected from the storage tank and analyzed in accordance with the following schedule:

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Biochemical Oxygen Demand	mg/L	Grab	Monthly	Monthly
Total Dissolved Solids	mg/L	Grab	Monthly	Monthly
Fixed Dissolved Solids	mg/L	Grab	Monthly	Monthly
Total Nitrogen	mg/L	Grab	Monthly	Monthly
pH	mg/L	Grab	Monthly	Monthly
Sodium	mg/L	Grab	Monthly	Monthly

PASTE MONITORING

Samples of residual paste (without pits) shall be collected from the sump and analyzed in accordance with the following schedule:

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Total Nitrogen	mg/Kg	Grab	Monthly	Monthly

LAND APPLICATION AREA MONITORING

The Discharger shall monitor wastewater and paste applied to the land application area. Monitoring shall be conducted **daily during operation** and the results shall be included in the monthly monitoring report. Evidence of erosion, field saturation, ponding, runoff, flies, or the presence of nuisance conditions shall be noted in the report. Monitoring of the land application areas shall include the following:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Wastewater Applied	Gallons	Measurement	Daily	Monthly
Paste Applied	Gallons, tons	Measurement	Daily	Monthly
Local Rainfall	Inches	Measurement	Daily	Monthly
Acreage Applied ¹	Acres	Estimated	Daily	Monthly
Wastewater				
Paste				
Water Application Rate	gal/acre·day	Calculated	Daily	Monthly
Nitrogen application rate	pounds/acre	Calculated	Daily	Monthly

¹ Depict the land application area used during the month on a scaled map of the site. Land application areas shall be identified by name and number, and the acreage for each shall be provided. If a portion of a land application area is used, then the acreage shall be estimated.

At least once per month when wastewater and paste are being applied to the land application areas, the entire application area shall be inspected to identify any equipment malfunction or other circumstance that might cause uneven application and/or create ponding conditions.

OLIVE PIT SOLIDS DISPOSAL MONITORING

The Discharger shall record and report monthly the quantity, disposal location, and method of disposal of olive pit solids generated of during the processing season. If pits are shipped offsite, an estimated amount and location of disposal shall be reported in the monthly report and the hauler identified.

The storage of any olive pits or paste shall be described. The description shall include the material stored, approximate amount, location of storage, and measures implemented to prevent leachate generation or control and dispose of any leachate that is generated.

REPORTING

In reporting monitoring data, the Discharger shall arrange the data in tabular form so that the date and result for each parameter are readily discernible. The results of any monitoring done more frequently than required at the locations specified in the Monitoring and Reporting Program shall be reported in the next scheduled monitoring report.

A. Monthly Monitoring Reports

Monthly reports shall be submitted to the Regional Board by the **1st day of the second month** following the end of the reporting period (i.e. the October monthly report is due by 1 December).

Monitoring is required only during months when the facility is actively processing olives, bottling olive oil, or performing sanitation activities prior to or after processing. Monthly reports are not required the remainder of the year. The monthly reports shall include the following:

1. Results of flow, rinse water, paste, land application area, and olive pit solids monitoring;
2. The monthly and cumulative volume of wastewater generated during the year to date;
3. The monthly and cumulative volume of paste generated during the year to date;
4. The last monthly report for the processing season shall state that the processing season is over for the year.

B. Annual Report

The Discharger shall submit an annual monitoring report no later than **1 February** of each year. The report shall describe activities during the previous calendar year, and shall contain the following information:

1. A statement of whether wastewater was applied to land, whether wastewater was stored on-site and hauled off-site, whether solid waste was applied to land, and whether solid waste was disposed of off-site.
2. If wastewater was applied to land, then provide:
 - a. The dates that processing occurred, and a data table showing the monthly process wastewater flow measurements and the total gallons of wastewater produced during the calendar year.
 - b. For both wastewater and paste: (1) the number of acres to which waste was applied, (2) the dates of discharge, (3) the crop(s) grown, (4) a description of how waste was applied evenly over the entire acreage and how it was kept out of surface waters, (5) whether nuisance odors were prevented, and (6) how the waste was stored so that it was not applied to land during periods of precipitation or when the ground is saturated.
3. If paste was applied to land, provide:
 - a. An estimation of the amount of solid waste generated and where it was stored.
 - b. The amount of solid waste disposed of on-site and the amount of solid waste removed for disposal off-site.

- c. The location of disposal, acreage, and cropping pattern.
- 4. If solid waste (e.g., pits) was taken off-site for disposal, provide copies of receipts from the licensed hauler or disposal facility.

A letter transmitting the self-monitoring reports shall accompany each report. Such a letter shall include a discussion of requirement violations found during the reporting period, and actions taken or planned for correcting noted violations, such as operation or facility modifications. If the discharger has previously submitted a report describing corrective actions and/or a time schedule for implementing the corrective actions, reference to the previous correspondence will be satisfactory. The transmittal letter shall contain a statement by the discharger, or the discharger's authorized agent, under penalty of perjury, that to the best of the signer's knowledge the report is true, accurate and complete.

The Discharger shall implement the above monitoring program as of the date of this Order.

Ordered by: _____
PAMELA C. CREEDON, Executive Officer

(30 November 2007)