

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM NO. R5-2014-0820  
FOR  
RIPPERDAN WASTEWATER TREATMENT FACILITY  
MADERA COUNTY

This Monitoring and Reporting Program (MRP) is required pursuant to California Water Code section 13267.

The Discharger shall not implement any changes to this MRP unless and until the Central Valley Water Board adopts or the Executive Officer issues a revised MRP. Changes to sample locations shall be established with concurrence of Central Valley Water Board staff, and a description of the revised stations shall be submitted for approval by the Executive Officer. All samples shall be representative of the volume and nature of the discharge sampled. All analyses submitted in response to this program shall be performed in accordance with Standard Provision B.1, under *Water Quality Order No. 97-10-DWQ, General Waste Discharge Requirements for Discharges to Land by Small Domestic Wastewater Treatment Systems* (General Order).

**INFLUENT MONITORING**

Influent samples shall be collected at the inlet of the headworks of the wastewater treatment facility (WWTF). Time of collection of the sample shall be recorded. The Discharger shall monitor treated influent as follows:

<u>Frequency</u>	<u>Constituent/Parameter</u>	<u>Units</u>	<u>Sample Type</u>
Daily	Flow	mgd	Meter
Monthly	BOD <sub>5</sub>	mg/L	Grab
Monthly	Total Suspended Solids	mg/L	Grab

**EFFLUENT MONITORING**

Effluent samples shall be collected at a point in the system following treatment and before discharge to the spray field. Time of collection of the sample shall be recorded. The Discharger shall monitor treated effluent as follows:

<u>Frequency</u>	<u>Constituent/Parameter</u>	<u>Units</u>	<u>Sample Type</u>
Bi-weekly	BOD <sub>5</sub>	mg/L	Grab
Bi-weekly	Total Suspended Solids	mg/L	Grab
Bi-weekly	Total Nitrogen	mg/L	Grab
Bi-weekly	Nitrate as NO <sub>3</sub> -N	mg/L	Grab
Weekly	Total Coliform	MPN/100mL	Grab

### WATER SUPPLY MONITORING

For each source, the Discharger shall calculate the flow-weighted average concentrations for the specified constituents utilizing monthly flow data and the most recent chemical analysis conducted in accordance with Title 22 drinking water requirements. The maximum electrical conductivity (EC) of the discharge shall not exceed the average EC of the source water plus 500  $\mu\text{mhos/cm}$ , or a maximum of 900  $\mu\text{mhos/cm}$ , whichever is less. The Discharger may establish representative sampling stations within the distribution system serving the same area as is served by the WWTF.

<u>Frequency</u>	<u>Constituent/Parameter</u>	<u>Units</u>	<u>Sample Type</u>
Quarterly	EC	$\mu\text{mhos/cm}$	Computed average

### LEACH PIT MONITORING

The Discharger shall inspect the leach pit area at least once per week. In conducting the inspection, a log shall be kept of its condition. The presence or absence of surfacing effluent, and the general condition of the leach pit area, shall be noted.

### REPORTING

All monitoring results shall be reported in **Quarterly Monitoring Reports**, which are due by the first day of the second month after the calendar quarter. Therefore, monitoring reports are due as follows:

First Quarter Monitoring Report:	<b>1 May</b>
Second Quarter Monitoring Report:	<b>1 August</b>
Third Quarter Monitoring Report:	<b>1 November</b>
Fourth Quarter Monitoring Report:	<b>1 February</b>

In reporting the monitoring data, the Discharger shall arrange the data in tabular form so that the date and the constituents are readily discernible. The data shall be summarized in such a manner to illustrate clearly whether the Discharger complies with WDRs, including calculations of all averages, etc.

If the Discharger monitors any pollutant more frequently than is required by this Order, the results of such monitoring shall be included in the quarterly report.

Records of monitoring information shall include:

- The date, exact place, and time of sampling or measurement(s);
- The individual(s) who performed the sampling or measurement(s);
- The date(s) analysis was performed;
- The individual(s) who performed the analysis;
- The analytical techniques or method used; and
- The results of such analysis.

The Discharger shall submit an annual report to the Central Valley Water Board by 1 February of each year. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous year. In addition, the Discharger shall discuss the compliance record and the corrective actions taken or planned which may be needed to bring the facility into full compliance with the general WDRs.

All reports submitted in response to this program shall comply with the signatory requirements of standard Provision B.2, under *Water Quality Order No. 97-10-DWQ, General Waste Discharge Requirements for Discharges to Land by Small Domestic Wastewater Treatment Systems* (General Order).

At any time henceforth, the State Water Board or Central Valley Water Board may notify the Discharger to electronically submit monitoring reports using the State Water Board's

California Integrated Water Quality System (CIWQS) program website at <http://www.waterboards.ca.gov/ciwqs/index.html>. Until such notification is given, the Discharger shall submit hard copy monitoring reports.

Ordered by:



PAMELA C. CREEDON, Executive Officer

5/27/14  
(Date)