

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM NO. R5-2014-0821
FOR
TEAFORD MEADOWS
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).

Specific sample station locations shall be established with concurrence of the Board's staff, and a description of the stations shall be submitted to the Central Valley Water Board and attached to this Program.

INFLUENT MONITORING

Influent samples shall be collected at the inlet of the headworks of the 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 ₅	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 ₅	mg/L	Grab
Bi-weekly	Total Suspended Solids	mg/L	Grab
Bi-weekly	Total Nitrogen	mg/L	Grab
Weekly	Total Coliform	MPN/100mL	Grab
3/week	Chlorine Residual	mg/L	Grab

POND MONITORING

Samples shall be taken when water reaches the one-foot level. Samples shall be collected opposite the inlet and between 0800 and 0900 hours. The freeboard shall be monitored on the emergency holding pond to the nearest tenth of a foot. Permanent markers shall be placed in the pond with calibration marks indicating the water level at design capacity and available operational freeboard.

<u>Frequency</u>	<u>Constituent/Parameter</u>	<u>Units</u>	<u>Sample Type</u>
Monthly	Dissolved Oxygen	mg/L	Grab
Monthly	Total Nitrogen	mg/L	Grab
Monthly	Freeboard	Feet	Measurement

In addition, the Discharger shall inspect the condition of the emergency holding pond once per month and write visual observations in a bound log book. Notations shall include observations of whether weeds are developing in the water or along the banks, and their locations; whether dead algae, vegetation, scum, or debris are accumulating on the pond surface and their location; whether burrowing animals or insects are present; and a description of the color of the basin (e.g. dark green, dull green, yellow, gray, tan, brown, etc.). A copy of the entries made in the log each month shall be submitted along with the quarterly monitoring report. Where the operation and maintenance manual indicates remedial action is necessary, the Discharger shall briefly explain in the transmittal what action has been taken or is scheduled to be completed

SPRAY FIELD MONITORING

During use of the spray fields, the Discharger shall inspect the spray fields at least once per week. In conducting the inspection, a log shall be kept of the spray fields conditions. The log shall include notes on broken pipes, and clogged or plugged sprinkler heads. Attention shall be given to the presence or absence of the following:

- a. Breaches of berms
- b. Runoff of effluent
- c. Erosion
- d. Standing water
- e. Overspray off of the disposal site

Where the operation and maintenance manual indicates remedial action is necessary, the Discharger shall briefly explain in the transmittal what action has been taken or is scheduled to be completed. A summary of the entries made in the log during each month shall be submitted along with the quarterly monitoring reports.

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:	1 May
Second Quarter Monitoring Report:	1 August
Third Quarter Monitoring Report:	1 November
Fourth Quarter Monitoring Report:	1 February

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:

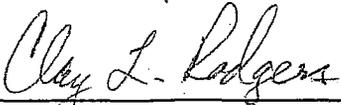
- a. The date, exact place, and time of sampling or measurement(s);
- b. The individual(s) who performed the sampling or measurement(s);
- c. The date(s) analysis was performed;
- d. The individual(s) who performed the analysis;
- e. The analytical techniques or method used; and
- f. The results of such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


for

PAMELA C. CREEDON, Executive Officer

5/15/2014

(Date)