

California Regional Water Quality Control Board
North Coast Region

MONITORING AND REPORTING PROGRAM NO. R1-2003-0047

FOR

CITY OF YREKA
WASTEWATER TREATMENT FACILITY

Siskiyou County

MONITORING

Influent Monitoring

All influent samples shall be collected within the headworks following screening or at a convenient point prior to flow reaching the first step in the secondary treatment process.

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
pH	pH units	grab	monthly
Dissolved Oxygen	mg/l	grab	monthly

Effluent Monitoring

Samples shall be collected at a point following disinfection in the contact chamber and prior to flowing into the screening chamber.

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
BOD (20°C, 5-day)	mg/l	24-hour composite	weekly
TSS	mg/l	24-hour composite	weekly
Settleable Solids	ml/l	24-hour composite	weekly
Total Coliform Organisms	MPN/100 ml	grab	weekly
Flow	mgd	meter	continuous
pH	pH units	grab	monthly
Total Kjeldahl Nitrogen	mg/l	grab	monthly
Nitrate-Nitrogen	mg/l	grab	monthly
Total Phosphorous	mg/l	grab	monthly
Ammonia as N	mg/l	grab	monthly
Ortho-Phosphorous	mg/l	grab	monthly
Total Organic Carbon	mg/l	grab	monthly
Total Dissolved Solids	mg/l	grab	monthly

Groundwater Monitoring

Depth to groundwater, in feet below surveyed well casings, shall be measured at the monitoring wells located within the subsurface effluent disposal field according to the following schedule:

Minimum Measurement Frequency

<u>Time Period</u>	<u>When Depth > 5 feet</u>	<u>When Depth < 5 feet</u>
November 1 through April 30	weekly	daily
May 1 through October 31	monthly	weekly

Water quality samples shall be collected from one upgradient and two downgradient monitoring wells (Attachment B) on a quarterly basis.

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Nitrate-Nitrogen	mg/l	grab	quarterly
Total Kjeldahl Nitrogen	mg/l	grab	quarterly
Total Phosphorous	mg/l	grab	quarterly
Ammonia as N	mg/l	grab	quarterly
Ortho-Phosphorous	mg/l	grab	quarterly
Total Organic Carbon	mg/l	grab	quarterly
Total Dissolved Solids	mg/l	grab	quarterly

Surface Water Monitoring

Samples shall be collected from Yreka Creek at sampling stations located upstream of the wastewater treatment facility, downstream from the subsurface disposal field, and just below the confluence point of the cutoff trench and Yreka Creek (Attachment C).

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Nitrate-Nitrogen	mg/l	grab	monthly
Total Kjeldahl Nitrogen	mg/l	grab	monthly
Total Phosphorous	mg/l	grab	monthly
Ortho-Phosphorous	mg/l	grab	monthly
Ammonia as N	mg/l	grab	monthly
Total Organic Carbon	mg/l	grab	monthly
Total Dissolved Solids	mg/l	grab	monthly

REPORTING

Each monthly monitoring report must be submitted so that it is received by the Regional Water Board no later than the first day of the second month following the monitoring period. The results of all water quality monitoring performed shall be submitted in the monthly monitoring reports. In reporting the monitoring data, the Discharger shall arrange the data in tabular form on an 8½- by 11-inch sheet so that the date, constituents, concentrations, and location of the sampling point are readily discernible. The data shall be summarized in such a manner as to illustrate clearly the compliance with waste discharge requirements.

Ordered by _____

Susan A. Warner
Executive Officer
May 15, 2003