

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM NO.

FOR
CITY OF GRIDLEY
GRIDLEY WASTEWATER TREATMENT FACILITY
BUTTE 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. All samples should be representative of the volume and nature of the discharge or matrix of material samples. The time, date, and location of each sample shall be recorded on the sample chain of custody form. All analyses shall be performed in accordance with Standard Provision, Provisions for Monitoring (1 March 1991). The results of analyses performed in accordance with specified test procedures, taken more frequently than required at the locations specified in this MRP, shall be reported to the Central Valley Water Board and used in determining compliance.

INFLUENT MONITORING

The Discharger shall report the following regarding influent to the WWTP:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Flow	gallons/day	Continuous	Daily
BOD ₅	mg/L	Grab	Monthly
Total Suspended Solids	mg/L	Grab	Monthly

POLISHING POND EFFLUENT MONITORING

Polishing pond effluent samples shall be collected before discharge to any percolation pond and shall be representative of the volume and nature of the discharge. Monitoring shall include the following:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
BOD ₅	mg/L	Grab	Monthly	Monthly
Total Dissolved Solids	mg/L	Grab	Monthly	Monthly
Total Suspended Solids	mg/L	Grab	Monthly	Monthly
pH	pH units	Grab	Monthly	Monthly
Standard Minerals ¹	mg/L	Grab	Annually	Annually

¹Standard minerals shall include, at minimum, the following elements/compounds: boron, calcium, chloride, fluoride, manganese, magnesium, iron, phosphate, potassium, sodium, sulfate, total alkalinity (including alkalinity series), and hardness.

TREATMENT AND PERCOLATION POND MONITORING

The Discharger shall report the following regarding the treatment and percolation ponds:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Liquid Depth and Freeboard	feet	Visual	Monthly
Flow to Ponds	gallons/day	Continuous	Daily
Dissolved Oxygen	mg/L	Grab	Monthly

The treatment and percolation ponds (at the treatment plant) shall be inspected monthly to check the following:

- a. Seepage through pond dikes
- b. Excessive odors or other nuisances
- c. Excessive weed growth in pond(s)

EMERGENCY STORAGE POND MONITORING

The Discharger shall report the following regarding the emergency storage ponds:

<u>Parameter</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Frequency</u>
Liquid Depth and Freeboard	feet	Visual	Monthly

The emergency storage ponds shall be inspected quarterly to check the following:

- a. Seepage through pond dikes
- b. Excessive odors or other nuisances
- c. Excessive weed growth in pond(s)

SEPTAGE RECEIVING MONITORING

The monthly volume of septage accepted by the wastewater treatment plant shall be reported monthly.

PIEZOMETER MONITORING

The piezometers shall be monitored for the presence of groundwater. If groundwater is found, the following shall be recorded:

<u>Parameter</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Frequency</u>
Depth to groundwater	To 0.01 foot (hundredths)	Measured	Monthly ¹
Groundwater Elevation	Above mean sea level to 0.01 foot (hundredths)	Calculated	Monthly ¹

¹Quarterly after two years of submittal of required information.

GROUNDWATER MONITORING

Prior to collecting samples and after measuring the water level, each monitoring well shall be adequately purged to remove water that has been standing within the well screen and casing that may not be representative of formation water. The wells shall be analyzed for the following constituents:

<u>Constituent/Parameter</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Frequency</u>
Depth to groundwater	To 0.01 foot (hundredths)	Measured	Monthly ¹
Groundwater Elevation	Above mean sea level, to 0.01 foot (hundredths)	Calculated	Monthly ¹
pH	pH units	Grab	Monthly ¹
Total Coliform	MPN/100mL	Grab	Monthly ¹
Nitrate as N	mg/L	Grab	Monthly ¹
Electrical Conductivity	mg/L	Grab	Monthly ¹
Total Dissolved Solids	mg/L	Grab	Monthly ¹
Standard Minerals ²	mg/L	Grab	Annually

¹Quarterly after two years of submittal of required analyses

²Standard minerals shall include, at minimum, the following elements/compounds: boron, calcium, chloride, fluoride, manganese, magnesium, iron, phosphate, potassium, sodium, sulfate, total alkalinity (including alkalinity series), and hardness.

SEWAGE COLLECTION PIPELINE MONITORING

Yearly, the pipeline on the banks of the Feather River shall be visually inspected. **Every five years**, divers shall inspect the portion of pipeline that is submerged in the Feather River. The inspections should note erosion around the pipeline, leaking pipe joints, and overall condition of the pipeline (including estimated wall thickness). A report summarizing each inspection shall be submitted to the Central Valley Water Board.

PRETREATMENT MONITORING PROGRAM

The Discharger shall submit by **30 January of each year** an annual report to the Central Valley Water Board describing the Discharger's pretreatment activities during the previous calendar year including analyses required by the Discharger. The report shall include compliance history of significant industrial users (SIUs), including categorical industrial users, which discharge waste to the Discharger. If a SIU has not been in compliance for the entire calendar year, the Discharger shall include the reasons for the noncompliance and state how and when the SIUs shall comply with pretreatment conditions and requirements.

If any SIU is in noncompliance, the Discharger shall report such incidents of noncompliance to the Board quarterly. If all SIUs are in compliance, a statement certifying such shall be submitted quarterly.

REPORTING

In reporting the monitoring data, the Discharger shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized in such a manner to illustrate clearly the compliance with waste discharge requirements.

Monitoring reports shall be submitted to the Central Valley Water Board **within 30 days** of the end of the monitoring period (monthly, quarterly, annual), i.e. March and 1st quarter monitoring due 30 April.

Upon written request of the Central Valley Water Board, the Discharger shall submit an annual report by **30 January 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 that may be needed to bring the discharge into full compliance with the waste discharge requirements.

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

Ordered by:

PAMELA C. CREEDON, Executive Officer

(Date)

JMM: sae
11/6/2006