

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL VALLEY REGION

REVISED MONITORING AND REPORTING PROGRAM NO. 87-214

FOR  
COLD SPRINGS MOBILE MANOR  
JOHN MARLOW  
EL DORADO COUNTY

This Monitoring and Reporting Program (MRP) incorporates requirements for monitoring of the collection system, influent, four ponds, and other aspects of the wastewater treatment plant as specified below and is issued pursuant to Water Code Section 13267. The Discharger shall not implement any changes to this MRP unless and until a revised MRP is issued by the Executive Officer. Sample collection stations shall be established such that the samples collected are representative of the nature and volume of the material(s) sampled.

All samples collected should be representative of the volume and nature of the discharge or matrix of material sampled. The person collecting the sample shall be identified along with the time, date, and location of each grab sample, and shall be recorded on the sample chain of custody form.

Field test instruments (such as those used to test temperature, pH, EC, and dissolved oxygen) may be used provided that:

1. The operator is trained in proper use and maintenance of the instruments;
2. The instruments are calibrated prior to each monitoring event;
3. Instruments are serviced and/or calibrated by the manufacturer at their respective recommended frequency; and
4. Field calibration reports are submitted as described in the "Reporting" section of this MRP.

**INFLUENT MONITORING**

Influent monitoring shall be performed at the location where influent is discharged into Ponds 1 and/or 2. Influent pond monitoring shall include at least the following:

<u>Constituents</u>	<u>Units</u>	<u>Sample Type</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Flow	gpd	Continuous	Daily	Monthly
BOD <sub>5</sub> <sup>1</sup>	mg/l	Grab	Monthly	Monthly

<sup>1</sup> 5-day, 20°C Biochemical Oxygen Demand

**POND MONITORING**

Freeboard shall be measured vertically from the surface of the pond water to the lowest elevation of the surrounding levee and shall be measured to the nearest 0.25 feet. Monitoring of each pond shall include, at a minimum, the following:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Odors	--	Observation	Weekly	Monthly
Dissolved Oxygen <sup>1</sup>	mg/l	Grab	Weekly	Monthly
pH	Standard units	Grab	Weekly	Monthly
Freeboard	0.25 feet	Measurement	Weekly	Monthly
Berm Seepage <sup>2</sup>	NA	Observation	Weekly	Monthly

<sup>1</sup>Samples shall be collected at a depth of one foot from each pond, opposite the inlet. Samples shall be collected between 0700 and 0900 hours.

<sup>2</sup>Pond containment levees shall be observed for signs of seepage or surfacing water along the exterior toe of the levees. If surfacing water is found, then a sample shall be collected and tested for total coliform organisms and total dissolved solids.

### EFFLUENT MONITORING

Effluent samples shall be collected from an established sampling station located in an area that will provide a sample representative of the water in pond 4. Effluent 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 <sup>1</sup>	mg/l	Grab	Monthly	Monthly
Electrical Conductivity	µmhos/cm	Grab	Monthly	Monthly
Total Nitrogen	mg/l as N	Grab	Monthly	Monthly
Total Dissolved Solids	mg/l	Grab	Semi-annually <sup>2</sup>	Semi-annually <sup>2</sup>
Chloride	mg/l	Grab	Semi-annually <sup>2</sup>	Semi-annually <sup>2</sup>

<sup>1</sup> 5-day Biochemical Oxygen Demand

<sup>2</sup> Measured semi-annually in March/April and August/September periods.

### SURFACE WATER MONITORING

The Discharger shall observe the creek adjacent to the wastewater ponds weekly for the presence of water in the creek. When water is present, the following surface water monitoring shall apply. The Discharger shall establish two sampling stations: one station (S-1) shall be 100 feet upstream of the wastewater ponds, and one station (S-2) shall be 100 feet downstream of wastewater ponds. If water is not present in the creek, then it shall be noted in the monthly monitoring report.

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling and Reporting Frequency</u>
Total Dissolved Solids	mg/l	Grab	Monthly

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling and Reporting Frequency</u>
Nitrate as Nitrogen	mg/l	Grab	Monthly
Chloride	mg/l	Grab	Monthly

### SLUDGE MONITORING

Prior to removal of any sludge from any pond the Discharger shall collect a representative composite sample of sludge in accordance with EPA's *POTW Sludge Sampling and Analysis Guidance Document, August 1989*, and tested for the following metals:

Cadmium	Lead
Chromium	Nickel
Copper	Zinc

Sampling records shall be retained for a minimum of five years. A log shall be kept of sludge quantities removed and of handling and disposal activities. The frequency of entries is discretionary; however, the log shall be complete enough to serve as a basis for part of the annual report.

### WATER SUPPLY MONITORING

A sampling station shall be established where a representative sample of the area domestic water supply can be obtained. Water supply monitoring may be substituted with the annual report of the supply agency. Water supply monitoring shall include at least the following:

<u>Constituents</u>	<u>Units</u>	<u>Sample Type</u>	<u>Sampling and Reporting Frequency</u>
Standard Minerals	mg/l	Grab	Annually
pH	Std units	Grab	Annually

### REPORTING

In reporting monitoring data, the Discharger shall arrange the data in tabular form so that the date, sample type (e.g., influent, effluent, etc.), and reported analytical result for each sample are readily discernible. The data shall be summarized in such a manner to clearly illustrate compliance with waste discharge requirements and spatial or temporal trends, as applicable. The results of any monitoring done more frequently than required at the locations specified in the Monitoring and Reporting Program shall be reported to the Regional Board.

### **A. Monthly Reports**

Monthly reports shall be submitted to the Regional Board by the **1<sup>st</sup> day of the second month** following the end of the reporting period (i.e., the January monthly report is due by 1 March). At a minimum the reports shall include:

1. Results of influent, effluent, pond, and surface water monitoring;
2. A comparison of monitoring data to the discharge specifications and an explanation of any violation of those requirements. Data shall be presented in tabular format;
3. If requested by staff, copies of laboratory analytical report(s); and
4. A calibration log verifying calibration of all monitoring instruments and devices used to fulfill the prescribed monitoring program.

### **B. Annual Monitoring Report**

An Annual Report shall be prepared as the December monthly monitoring report. The Annual Report will include all monitoring data required in the monthly schedule. The Annual Report shall be submitted to the Regional Board by **1 February** each year. In addition to the data normally presented, the Annual Report shall include the following:

1. The results of the semi-annual monitoring (i.e., monitoring results for the effluent and surface water monitoring events of the previous calendar year);
2. If requested by staff, tabular and graphical summaries of all monitoring data obtained during the previous year;
3. Information on the analysis and disposal of biosolids if any;
4. Results of the water supply monitoring;
5. A discussion of compliance and the corrective action taken, as well as any planned or proposed actions needed to bring the discharge into full compliance with the waste discharge requirements;
6. A discussion of any data gaps and potential deficiencies/redundancies in the monitoring system or reporting program; and
7. A discussion of long-range planning by the Discharger relative to expanding or abandoning the existing facility, community growth and wastewater flows versus facility capacity, and inflow/infiltration projections as a function of rainfall.

A letter transmitting the self-monitoring reports shall accompany each report. Such a letter shall include a discussion of 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. Pursuant to Standard Provisions, General Reporting requirements B.3, the transmittal letter shall contain the following statement by the Discharger, or the Discharger's authorized agent:

*"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of the those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations."*

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

Ordered by \_\_\_\_\_  
THOMAS R. PINKOS, Executive Officer

\_\_\_\_\_  
(Date)

JSK  
06/30/04