California Regional Water Quality Control Board
North Coast Region

MONITORING AND REPORTING PROGRAM
ORDER NO. R1-2000-16

FOR

COVELO COMMUNITY SERVICES DISTRICT

Mendocino County

WASTEWATER MONITORING

Influent station shall be established at the plant headworks. During the period discharge to surface water is occurring, an 8-hour composite sample of influent shall be collected during the first day of discharge and monthly thereafter. The sample shall be analyzed for suspended solids and for biochemical oxygen demand. Flow into the treatment plant shall be measured in gallons per day and recorded on a daily log sheet. Rainfall shall be measured in inches per day and recorded on a daily log sheet.

An effluent monitoring station shall be established where samples of effluent can be collected following all treatment and just prior to discharge. During periods of discharge, the following shall comprise effluent monitoring:

- Effluent flows and receiving water flows shall be recorded daily on the daily log sheet.
- A grab sample shall be collected daily and analyzed for chlorine residual.
- A grab sample shall be collected and analyzed for total coliform organisms, pH and settleable solids on the first day of discharge and weekly thereafter.
- An 8-hour composite sample shall be collected on the first day of discharge and monthly thereafter. The sample shall be analyzed for biochemical oxygen demand and suspended solids. Samples shall be collected on the same day that influent samples are taken.

If effluent discharged during the winter season is intermittent, defined as less that 30 consecutive days, effluent samples shall be taken on the first day of each discharge.

TOXICITY MONITORING
(Only Required if Discharging to Grist Creek)

The presence of acute toxicity in the effluent shall be determined by conducting 96-hour static or static renewal tests using rainbow trout Oncorhynchus mykiss as the test species. An 8-hour composite sample of effluent shall be collected four times each year, if possible, at equal time intervals, when discharge to the surface water is occurring.

Testing procedures shall be as specified in Methods for Measuring the Acute Toxicity of Effluents to Freshwater and Marine Organisms (EPA 600/4-90-027F, August 1993 or subsequent editions). The tests shall be conducted with concurrent reference toxicant tests (control samples). Both the reference toxicant and the effluent test must meet all test acceptability criteria as specified in the manual. If the test acceptability criteria are not achieved, then the permittee must resample and re-test within 14 days.

For effluent samples which exhibits less than a 90 percent survival as compared to the control, the discharger shall immediately resample the discharge and repeat the bioassay test. If the sample exhibits less that a 70 percent survival rate, as compared to the controls, the discharger shall resample and reanalyze the discharge immediately and again after 15 days. In these events, the discharger shall verbally notify the Regional Water Board of such occurrence within 48 hours of occurrence and follow-up in writing within 2 weeks.

The test results must be reported according to the acute manual chapter on Report Preparation, and shall be attached to the Discharger's Monitoring Report (DMR).

With the July 15 monitoring report the discharger shall summarize the season test results and provide an analysis regarding the toxicity of the discharge.

Effluents are considered acutely toxic when there is 1) less than 90 percent survival, 70 percent of the time based on any monthly median or 2) less than 70 percent survival, any time.

Whenever the acute toxicity effluent limitation has been exceeded, the permittee shall:

a) Initiate a Toxicity Identification Evaluation (TIE) within fifteen days of the exceedance to identify the causes of toxicity. The TIE shall be in accordance with the EPA acute manual

b) Initiate a Toxicity Reduction Evaluation (TRE) within fifteen days of the exceedance to reduce the toxicity. The TRE shall be in accordance with the EPA manual EPA/600/2-88/062 (protocol for municipal discharges).

Report of Evaluation Results

Notify the Regional Water Board within fifteen days of completion of:

a) The finding of the TIE/TRE or other investigation to identify the cause of the toxicity;

b) The actions the permittee has taken or will take to mitigate the impact of the discharge, to correct the noncompliance and prevent the recurrence of toxicity;

c) Where corrective actions (including TIE or TRE) have not been completed, a time schedule under which the corrective actions will be implemented.

REPORTING

Monthly monitoring reports shall be submitted to the Regional Water Board by the 15th day of the following month. If no discharge to surface water occurred, the report will present flow and rainfall data with a statement that no effluent discharge occurred. Numerical data shall be tabulated and narrative reporting statements shall be in letter form and signed by the representative of the permittee in accordance with **E. PROVISIONS**, Signatory Requirements. All information gathered more frequently than required by this monitoring program shall be submitted along with the monthly reports for review.

Ordered by_____

Lee A. Michlin
Executive Officer

February 24, 2000

(CovSMR.doc)