

California Regional Water Quality Control Board
North Coast Region

Order No. 97-94
ID No. 1A840720TRI

Waste Discharge Requirements

for

Weaverville Sanitary District

Trinity County

The California Regional Water Quality Control Board, North Coast Region, (hereinafter the Regional Water Board) finds that:

1. The Weaverville Sanitary District (hereafter the discharger) owns and operates wastewater treatment and disposal facilities located in the South 1/2 of Section 18, T33N, R9W, MDB&M as shown on "Attachment A@", incorporated herein and made a part of this Order.
2. The wastewater treatment facilities consist of comminution (grinding), activated sludge secondary treatment, clarification, aerobic sludge digestion and disinfection by chlorination. Treated wastewater is discharged to percolation ponds located adjacent to Weaver Creek.
3. Current dry weather flows (June through October) average 0.287 million gallons per day (mgd) of wastewater. The plant in its present configuration is designed to treat a dry weather flow of 0.5 mgd. The design peak wet weather flow is 1.5 mgd.
4. The Water Quality Control Plan for the North Coast Region includes water quality objectives, a prohibition against discharge to the Trinity River and receiving water limitations.
5. Beneficial uses of Weaver Creek and the Trinity River include:
 - a. municipal and domestic supply
 - b. agricultural supply
 - c. industrial supply
 - d. groundwater recharge
 - e. freshwater replenishment
 - f. water contact recreation
 - g. noncontact water recreation
 - h. cold freshwater habitat
 - i. wildlife habitat
 - j. fish migration
 - k. fish spawning

6. Beneficial uses of areal groundwaters include:
 - a. municipal water supply
 - b. agricultural water supply
 - c. industrial service supply
7. The discharge is presently governed by Waste Discharge Requirements Order No. 84-72, adopted by the Regional Water Board on May 31, 1984.
8. This project is exempt from provisions of the California Environmental Quality Act of 1970 as an existing facility (Title 14, Division 7, Chapter 3, Section 15301, California Code of Regulations).
9. The Regional Water Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity to submit their written comments and recommendations.
10. The Regional Water Board, in a public meeting, heard and considered all comments pertaining to the discharge.

THEREFORE, IT IS HEREBY ORDERED that Waste Discharge Requirements Order No. 84-72 be rescinded and the discharger, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, shall comply with the following:

A. DISCHARGE PROHIBITIONS

1. The discharge of waste to the Trinity River or its tributaries is prohibited.
2. The discharge of any waste not specifically regulated by this Order is prohibited.
3. Creation of a pollution, contamination, or nuisance, as defined by Section 13050 of the California Water Code (CWC), is prohibited. [Health and Safety Code, Section 5411]
4. The discharge of sludge or digester supernatant is prohibited.
5. The discharge of untreated waste from anywhere within the collection, treatment, or disposal facility is prohibited.
6. The discharge of waste to land which is not owned or controlled by the discharger is prohibited.

B. DISCHARGE SPECIFICATIONS: (Percolation Area)

1. The mean daily dry weather flow of waste shall not exceed 0.5 mgd averaged over a 30 day period.

2. Representative samples of wastewater effluent shall not contain constituents in excess of the following limits:

<u>30-DAY</u> <u>Constituent</u>	<u>7-DAY</u> <u>Units</u>	<u>DAILY</u> <u>AVERAGE¹</u>	<u>AVERAGE²</u>	<u>MAXIMUM</u>
BOD (20 ⁰ C, 5-day)	mg/l	30	45	60
Suspended Solids	mg/l	30	45	60
Settleable Solids	ml/l	.1	-----	.2
Coliform Organisms(Total)	MPN/100 ml	23 ³	-----	230
Hydrogen Ion	pH	Not less than 6.5 nor greater than 8.5		

3. The dissolved oxygen concentration of the treatment ponds shall not be depressed below 1.0 mg/l.

C. SOLIDS DISPOSAL

1. Collected screenings, sludges, and other solids removed from liquid wastes shall be disposed of at a legal point of disposal, and in accordance with the provisions of Title 27, of the California Code of Regulations or as waived pursuant to Section 13269 of the California Water Code.

D. PROVISIONS

1. A copy of this Order shall be maintained at the discharge facility and be available at all times to operating personnel.
2. Severability

Provisions of these waste discharge requirements are severable. If any provision of these requirements is found invalid, the remainder of these requirements shall not be affected.

3. Operation and Maintenance

¹ The arithmetic mean of the values for effluent samples collected in a period of 30 consecutive days.

² The arithmetic mean of the values for effluent samples collected in a period of seven consecutive days.

³ Median

The discharger must maintain in good working order and operate as efficiently as possible any facility or control system installed by the discharger to achieve compliance with the waste discharge requirements.

4. Change in Discharge

The discharger must promptly report to the Regional Water Board any material change in the character, location, or volume of the discharge.

5. Change in Ownership

In the event of any change in control or ownership of land or waste discharge facilities presently owned or controlled by the discharger, the discharger must notify the succeeding owner or operator of the existence of this Order by letter, a copy of which must be forwarded to this office.

6. Vested Rights

This Order does not convey any property rights of any sort or any exclusive privileges. The requirements prescribed herein do not authorize the commission of any act causing injury to persons or property, nor protect the discharger from his liability under federal, State, or local laws, nor create a vested right for the discharger to continue the waste discharge.

7. Monitoring

The discharger must comply with the Contingency Planning and Notification Requirements Order No. 74-151 and the Monitoring and Reporting Program No. 97-94 and any modifications to these documents as specified by the Executive Officer. Such documents are attached to this Order and incorporated herein.

8. Inspections

The discharger shall permit authorized staff of the Regional Water Board:

- a. entry upon premises in which an effluent source is located or in which any required records are kept;
- b. access to copy any records required to be kept under terms and conditions of this Order;
- c. inspection of monitoring equipment or records; and
- d. sampling of any discharge.

9. Noncompliance

In the event the discharger is unable to comply with any of the conditions of this Order due to:

- a. breakdown of waste treatment equipment;
- b. accidents caused by human error or negligence; or
- c. other causes such as acts of nature;

the discharger must notify the Executive Officer by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written notification shall include pertinent information explaining reasons for the noncompliance and shall indicate the steps taken to correct the problem and the dates thereof, and the steps being taken to prevent the problem from recurring.

10. Revision of Requirements

This Regional Water Board requires the discharger to file a report of waste discharge at least 120 days before making any material change or proposed change in the character, location, or volume of the discharge.

11. Adequate Capacity

Whenever a publicly owned wastewater treatment plant will reach capacity within four years, the discharger shall notify the Regional Water Board. A copy of such notification shall be sent to appropriate local elected officials, local permitting agencies, and the press. The discharger must demonstrate that adequate steps are being taken to address the capacity problem. The discharger shall submit a technical report to the Regional Water Board showing how flow volumes will be prevented from exceeding capacity, or how capacity will be increased, within 120 days after providing notification to the Regional Water Board, or within 120 days after receipt of Regional Water Board notification, that the POTW will reach capacity within four years. The time for filing the required technical report may be extended by the Regional Water Board. An extension of 30 days may be granted by the Executive Officer, and longer extensions may be granted by the Regional Water Board itself. [CCR Title 23, Section 2232]

12. Operator Certification

Supervisors and operators of municipal wastewater treatment plants shall possess a certificate of appropriate grade in accordance with Title 23, California Code of Regulations, Section 3680. The State Board may accept experience in lieu of qualification training. In lieu of a properly certified wastewater treatment plant operator, the State Board may approve use of a water treatment plant operator of appropriate grade certified by the State Department of Health Services where reclamation is involved.

13. National Pretreatment Standards: Prohibited Discharges

- a. General prohibitions. Pollutants introduced into POTWs by a non-domestic source shall not pass-through [40 CFR 403.3(n)] the POTW or interfere [40 CFR 403.3(i)] with the operation or performance of the works. These general prohibitions and the specific prohibitions in paragraph (b) of this provision apply to all non-domestic sources introducing pollutants into a POTW whether or not

the source is subject to other National Pretreatment Standards or any national, state, or local Pretreatment Requirements.

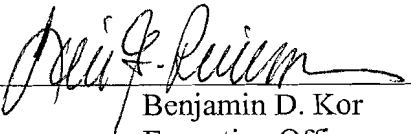
- b. Specific prohibitions. In addition, the following pollutants shall not be introduced into a POTW:
 - i. Pollutants which create a fire or explosion hazard in the POTW;
 - ii. Pollutants which will cause corrosive structural damage to the POTW, but in no case discharges with pH lower than 5.0, unless the works is specifically designed to accommodate such discharges;
 - iii. Solid or viscous pollutants in amounts which will cause obstruction to the flow in the POTW resulting in interference;
 - iv. Any pollutant, including oxygen demanding pollutants (BOD, etc.) released in a discharge at a flow rate and/or pollutant concentration which will cause interference with the POTW; and
 - v. Heat in amounts which will inhibit biological activity in the POTW resulting in interference, but in no case heat in such quantities that the temperature at the POTW Treatment Plant exceeds 40EC (104EF) unless the Regional Water Board upon request of the POTW approves alternate temperature limits.
 - vi. Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through;
 - vii. Pollutants which results in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems;
 - viii. Any trucked or hauled pollutant, except at discharge points designated by the POTW.
- c. When specific limits must be developed by a POTW.
 - i. POTWs developing POTW Pretreatment Programs pursuant to 40 CFR 403.8 shall develop and enforce specific limits to implement the prohibitions listed in paragraphs (a) and (b) of this provision.
 - ii. All POTWs shall, in cases where pollutants contributed by user(s) result in interference or pass-through, and such violation is likely to recur, develop and enforce specific effluent limits for Industrial User(s), and all other users, as appropriate, which, together with appropriate changes in the POTW facilities or operations, are necessary to ensure renewed and continued compliance with the POTW's Order or sludge use or disposal practices.

- iii. Specific effluent limits shall not be developed and enforced without individual notice to persons or groups who have requested such notice and an opportunity to respond.

- d. Local limits. Where specific prohibitions or limits on pollutants or pollutant parameters are developed by a POTW in accordance with paragraph (c) above, such limits shall be deemed Pretreatment Standards for the purposes of Section 307(d) of the Clean Water Act. [40 CFR 403.5(a) through (d)]

Certification

I, Benjamin D. Kor, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, North Coast Region, on September 25, 1997.



Benjamin D. Kor
Executive Officer

(WSDWDR)

California Regional Water Quality Control Board
North Coast Region

Monitoring and Reporting Program No. 97-94

for

Weaverville Sanitary District

Trinity County

WASTEWATER MONITORING

Effluent samples shall be collected at the point of discharge to the percolation areas. Composite samples may be taken by a proportional sampling device approved by the Executive Officer or by grab samples composited in proportion to flow. In compositing grab samples, the sampling interval shall not exceed one hour. The following shall constitute the monitoring program:

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Frequency</u>
BOD (20°C, 5-day)	mg/l	8-hour composite	weekly
Suspended Solids	mg/l	8-hour composite	weekly
Settleable Solids	ml/l	8-hour composite	weekly
Coliform	MPN/100 ml	grab	weekly
Chlorine Residual	mg/l	grab	daily
Hydrogen Ion	pH	grab	daily
Effluent Flow	gpd	----	daily
Effluent Flow	gpd	----	daily maximum

PERCOLATION AREA MONITORING

When effluent is ponded in the percolation areas, the average water depth shall be recorded. A representative grab sample shall be taken once weekly and analyzed for dissolved oxygen concentration. This sampling shall be performed during the early morning hours.

SLUDGE MONITORING

Annually, following the completion of sludge accumulation for the year, the discharger shall sample the dry sludge and provide a report to the Regional Water Board which shall include the following:

- a. The quantity of sludge accumulated and /or prepared for disposal (in dry tons and gallons)
- b. The quality of the sludge actually disposed (i.e., well stabilized, odor free) and the concentrations of heavy metals listed below:

<u>Constituent</u>	<u>Units</u>	<u>Test Method</u>
Copper	mg/kg	DHS-Waste Extraction Test (WET)
Lead	mg/kg	
Mercury	mg/kg	
Silver	mg/kg	

Sludge samples shall be composited from five sub-samples collected from points near the center (sludge inlet line) and four corners at the active humus pond.

A report of sludge quantities and metals concentrations shall be submitted to the Regional Water Board no later than December 31st of each year.

REPORTING

Monthly monitoring reports shall be submitted to the Regional Water Board by the 15th day of the following month. Monitoring reports shall contain all monitoring results that were obtained during the month for which the report is prepared. 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. Narrative reporting, including any statements of noncompliance, inspection, and maintenance statements, or any statements of corrective action shall be in letter form and signed by the responsible official of the discharger.

Ordered by



Benjamin D. Kor
Executive Officer

September 25, 1997

(WSDSMR)