

STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

MONITORING AND REPORTING PROGRAM NO. CI-5714
FOR
VENTURA COUNTY WATERWORKS DISTRICT NO. 16 AND
VENTURA REGIONAL SANITATION DISTRICT ("Discharger")
(Piru Wastewater Treatment Plant)
(File No. 71-035)

I. REPORTING REQUIREMENTS

- A. The Discharger shall implement this monitoring program on the effective date of this Order (WDR Order No. R4-2004-0032). The first monitoring report under this Program is due by April 15, 2004. Monitoring reports must be addressed to the Regional Board, Attention: Information Technology Unit. Monitoring reports shall be received by the Regional Board by the dates in the following schedule:

<u>Reporting Period</u>	<u>Report Due</u>
January - March	April 15
April - June	July 15
July - September	October 15
October - December	January 15

- B. By January 30th of each year, beginning January 30, 2005, the Discharger shall submit an annual summary report to the Regional Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous calendar year. In addition, the Discharger shall explain the compliance record and the corrective actions taken or planned which may be needed to bring the discharge into full compliance with the waste discharge requirements (WDRs).
- C. Laboratory analyses – all chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for such analyses by the California Department of Health Services Environmental Laboratory Accreditation Program (ELAP). A copy of the laboratory certification shall be provided each time a new and/or renewal is obtained from ELAP.
- D. The method limits (MLs) employed for effluent analyses shall be lower than the permit limits established for a given parameter, unless the Discharger can demonstrate that a particular ML is not attainable and obtains approval for a higher ML from the Regional Board Executive Officer (Executive Officer).

December 16, 2003
Revised on January 15, 2004

- E. Water/wastewater samples must be analyzed within allowable holding time limits as specified in 40 CFR section 136.3. All Quality Assurance/Quality Control (QA/QC) samples must be run on the same dates when samples were actually analyzed. At least once a year, the Discharger shall maintain and update a list of the analytical methods employed for each test and the associated laboratory QA/QC procedures. The Discharger shall make available for inspection and/or submit the QA/QC documentation upon request by Regional Board staff.
- E. Each monitoring report must affirm in writing that "All analyses were conducted at a laboratory certified for such analyses by the California Department of Health Services, and in accordance with current U.S. Environmental Protection Agency (USEPA) guideline procedures or as specified in this Monitoring Program." Proper chain of custody procedures must be followed and a copy of the completed chain of custody form shall be submitted with the report.
- F. Each monitoring report shall contain a separate section titled "Summary of Non-Compliance" which discusses the compliance record and the corrective actions taken or planned that may be needed to bring the discharge into full compliance with WDRs. This section shall be located at the front of the report and shall clearly list all non-compliance with WDRs, as well as all excursions of effluent limitations.
- G. For every item where the WDRs are not met, the Discharger shall submit a statement of the cause(s), and actions undertaken or proposed which will bring the discharge into full compliance with WDRs at the earliest possible time, including a timetable for implementation of those actions.
- H. The Discharger shall maintain all records of sampling and analytical results: date; exact place and time of sampling; dates analyses were performed; analyst's name; analytical technique used; and results of all analyses. Such records shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge, or when requested by the Regional Board.
- I. 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 to demonstrate compliance with the requirements and, where applicable, shall include results of receiving water observations.
- J. Any mitigation/remedial activity including any pre-discharge treatment conducted at Piru Wastewater Treatment Plant must be reported in the quarterly monitoring report.

II. WATER QUALITY MONITORING REQUIREMENTS

A. Effluent Monitoring

An effluent sampling station(s) shall be established at a location(s) where representative samples of treated wastewater can be obtained prior to discharge to the percolation ponds. Effluent samples may be obtained at a single station, provided that station is representative of the quality at all discharge points. This sampling station shall remain the same as has been previously used, and any proposed change of sampling location shall be identified and approved by the Executive Officer prior to its use. The following shall constitute the effluent monitoring program:

<u>Constituents</u>	<u>Units</u> ¹	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
Total waste flow ²	gal/day	recorder	continuous
pH	pH Units	grab	monthly
BOD ₅ (20°C)	mg/L	grab	monthly ³
Temperature	°F	grab	quarterly
Suspended solids	mg/L	grab	quarterly ³
Total dissolved solids	mg/L	grab	quarterly
Sulfate	mg/L	grab	quarterly
Chloride	mg/L	grab	quarterly
Boron	mg/L	grab	quarterly
Nitrate nitrogen ⁴	mg/L	grab	quarterly ³
Nitrite nitrogen ⁴	mg/L	grab	quarterly ³
Ammonia nitrogen ⁴	mg/L	grab	quarterly ³
Organic nitrogen ⁴	mg/L	grab	quarterly ³
Oil and grease	mg/L	grab	quarterly
Phosphorus	mg/L	grab	quarterly
Surfactants as Methyl Blue Activated Substances (MBAS)	mg/L	grab	quarterly
Inorganic chemicals (in Attachment 1)	mg/L	grab	annually
Radioactive substance ⁵ (in Attachment 2)	pci/L	grab	annually
Organic chemicals (in Attachment 3)	mg/L	grab	annually

¹ mg/L: milligram per liter; µg/L: microgram per liter; °F: degree Fahrenheit; pci/L:

- picocuries per liter.
2. The Discharger shall report the daily minimum, maximum and average value.
 3. If the result of the quarterly analysis exceeds the limitations contained in Order No. R4-2004-0032, the frequency of analysis shall be increased to monthly within one week of knowledge of the test results, for at least three consecutive months, and until compliance with the limitations is demonstrated; after which the frequency shall revert to quarterly.
 4. Samples of the nitrogen series (nitrate, nitrite, ammonia-N, and organic nitrogen) shall be collected at the same time the pH and temperature are recorded.
 5. A complete list of radioactive substance (Attachment A-2) is attached, but the Discharger is required to test only for gross alpha and gross beta of the radioactive substance list.

B. Groundwater Monitoring

Representative samples of groundwater shall be obtained from groundwater monitoring wells MW-1 (upgradient) and MW-2 (downgradient). These sampling stations shall not be changed and any proposed change of monitoring locations shall be identified and approved by the Executive Officer prior to their use. The following shall constitute the groundwater-monitoring program:

<u>Constituent</u>	<u>Units⁶</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis⁷</u>
pH	pH units	grab	quarterly
Total coliform	MPN/100mL	grab	quarterly
Fecal coliform	MPN/100mL	grab	quarterly
Enterococcus	MPN/100mL	grab	quarterly
Ammonia-N	mg/L	grab	semi-annually
Nitrate-N	mg/L	grab	semi-annually
Nitrite-N	mg/L	grab	semi-annually
Organic nitrogen	mg/L	grab	semi-annually
Total dissolved solids	mg/L	grab	semi-annually
Boron	mg/L	grab	semi-annually
Chloride	mg/L	grab	semi-annually
Sulfate	mg/L	grab	semi-annually
Total phosphate	mg/L	grab	semi-annually
BOD ₅	mg/L	grab	semi-annually

^{6.} MPN/100mL: Most Probable Number per 100 milliliter; mg/L: milligram per liter; µg/L: microgram per liter.

^{7.} If any constituent exceeds the baseline water quality data, then the frequency of analyses shall increase to monthly until at least three test results have been obtained. After which, if no more constituents exceed the baseline, the frequency of analyses shall revert to semi-annually.

The groundwater monitoring reports shall include the following information:

1. Groundwater monitoring well identification number, date and time of sampling, and name of the individual collecting the sample;
2. Depth to groundwater measured to the nearest 0.01 foot, and groundwater elevation to the nearest 0.01 foot mean sea level;
3. Groundwater contour map depicting the hydraulic gradient and direction of groundwater flow across the plant;
4. Laboratory identification, date(s) of analysis, and analytical method used, and;
5. An evaluation of all groundwater monitoring data, together with recommendations of additional work, as needed.

C. WATER SUPPLY MONITORING

If the results of the groundwater monitoring exceed the water quality objective for following constituents, a water supply monitoring sampling station shall be established at a location(s) where representative samples of water supply can be obtained by the same date of sampling the effluent wastewater from the wastewater treatment plant. Water supply samples may be obtained at a single station, provided that station is representative of the water supply quality at the site. The following shall constitute the water supply monitoring program:

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
Total dissolved solids	mg/L	grab	quarterly
Sulfate	mg/L	grab	quarterly
Chloride	mg/L	grab	quarterly
Boron	mg/L	grab	quarterly

The required water quality data can be substituted by the water quality supply data obtained during the same monitoring period by the local water supplier. If the water quality data is not possible to obtain, the Discharger shall collect samples and analyze them according to the above requirements.

III. WASTE HAULING REPORT

In the event that waste sludge or other wastes are hauled offsite, the name and address of the hauler shall be reported, along with types and quantities hauled during the reporting period and the location of the final point of disposal. In the event that no wastes are hauled during the reporting period, a statement to that effect shall be submitted in the quarterly monitoring report.

IV. OPERATION AND MAINTENANCE REPORT

The Discharger shall annually submit a technical report to the Executive Officer relative to the operation and maintenance program for the Piru Wastewater Treatment Plant including disposal area. The information to be contained in the report shall include, at a minimum, the following:

- a. The name and address of the person or company responsible for the operation and maintenance of the facility;
- b. Type of maintenance (preventive or corrective action performed);
- c. Frequency of maintenance, if preventive;
- d. Periodic pumping out of the secondary waste sludge; and
- e. Maintenance record of percolation ponds and waste sludge drying beds, including the results of at least monthly observations in the areas for any overflow.

In addition, the Discharger shall submit the results of annual inspections for the wastewater treatment and disposal systems. The inspection results shall be filed with the annual report due by January 30.

V. MONITORING FREQUENCIES

Monitoring frequencies may be adjusted to a less frequent basis or parameters adjusted by the Executive Officer if the Discharger makes a request and the request is supported by statistical trends of monitoring data submitted.

VI. CERTIFICATION STATEMENT

Each report shall contain the following completed declaration:

"I certify under penalty of law that this document, including all attachments and supplemental information, was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Executed on the ____ day of _____ at

_____ (Signature)

_____ (Title)"

These records and reports will become public documents and shall be made available for inspection during business hours at the office of the California Regional Water Quality Control Board, Los Angeles Region.

Ordered by : _____
Dennis A. Dickerson
Executive Officer

Date: January 29, 2004