

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM 01-160 (REVISION 1)
FOR
CITY OF NEEDLES, OWNER/OPERATOR
WASTEWATER TREATMENT PLANT
Needles - San Bernardino County

Location of Discharge: Section 33, T9N, R22W, SBB&M

MONITORING

1. This Monitoring and Reporting Program (MRP) describes requirements for monitoring a wastewater system and groundwater quality (when needed). This MRP is issued pursuant to California 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.

2. Water Code section 13267 states, in part:

"In conducting an investigation specified in subdivision (a), the regional board may require that any person who has discharged, discharges, or is suspected of having discharged or discharging, or who proposes to discharge waste within its region, or any citizen or domiciliary, or political agency or entity of this state who has discharged, discharges, or is suspected of having discharged or discharging, or who proposes to discharge, waste outside of its region that could affect the quality of waters within its region shall furnish, under penalty of perjury, technical or monitoring program reports which the regional board requires. The burden, including costs, of these reports shall bear a reasonable relationship to the need for the report and the benefits to be obtained from the reports. In requiring those reports, the regional board shall provide the person with a written explanation with regard to the need for the reports, and shall identify the evidence that supports requiring that person to provide the reports."

3. Water Code section 13268 states, in part:

"(a) (1) Any person failing or refusing to furnish technical or monitoring program reports as required by subdivision (b) of § 13267, or failing or refusing to furnish a statement of compliance as required by subdivision (b) of Section 13399.2, or falsifying any information provided therein, is guilty of a misdemeanor, and may be liable civilly in accordance with subdivision (b). (b) (1) Civil liability may be administratively imposed by a regional board in accordance with Article 2.5 (commencing with § 13323) of Chapter 5 for a violation of subdivision (a) in an amount which shall not exceed one thousand dollars (\$1,000) for each day in which the violation occurs."

4. The Discharger owns and operates the wastewater system that is subject to Board Order 01-160. The reports are necessary to ensure that the Discharger complies with the Order. Pursuant to Water Code section 13267, the Discharger shall implement the MRP and shall submit the monitoring reports described herein.

5. All samples shall be representative of the volume and nature of the discharge or matrix of material sampled. The time, date, and location of each grab sample shall be recorded on the sample chain of custody form. If composite samples are collected, the basis for sampling (time or flow weighted) shall be approved by Regional Water Board staff.
6. Field test instruments (such as those used to test pH, dissolved oxygen, and electrical conductivity) may be used provided that:
 - a. The user is trained in proper use and maintenance of the instruments;
 - b. The instruments are field calibrated prior to monitoring events at the frequency recommended by the manufacturer;
 - c. Instruments are serviced and/or calibrated by the manufacturer at the recommended frequency; and
 - d. Field calibration reports are submitted as described in the "Reporting" section of this MRP.
7. The collection, preservation and holding times of all samples shall be in accordance with U. S. Environmental Protection Agency approved procedures. Unless otherwise approved by the Regional Water Board Executive Officer, all analyses shall be conducted by a laboratory certified by the California Department of Public Health. All analyses shall be conducted in accordance with the latest edition of the "Guidelines Establishing Test Procedures for Analysis of Pollutants" (40 CFR Part 136), promulgated by the USEPA.
8. The Discharger shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this Board Order, and records of all data used to complete the application for this Board Order, for a period of at least five (5) years from the date of the sample, measurement, report or application. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurement(s);
 - b. The individual(s) who performed the sampling or measurement(s);
 - c. The date(s) analyses were performed;
 - d. The individual(s) who performed the analyses;
 - e. The analytical techniques or method used; and
 - f. The results of such analyses.
9. The secondary effluent resulting from the treatment in SBRs and equalization basin will be sampled before its discharge into the percolation pond.
10. If the facility is not in operation, or there is no discharge during a required reporting period, the discharger shall forward a letter to the Regional Board indicating that there has been no activity during the required reporting period.

INFLUENT MONITORING

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Flow to SBRs	MGD ¹	Metered	Daily
Biochemical Oxygen Demand (BOD ₅)	mg/L ²	24-Hour Composite	Weekly
Total Suspended Solids	mg/L	24-Hour Composite	Weekly

EFFLUENT MONITORING

A sampling station shall be established at a point after the final secondary treatment process, but before discharge into the percolation pond, where representative samples of the effluent can be obtained. Wastewater discharged to the percolation pond shall be monitored for the following constituents:

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
BOD ₅	mg/L	24-Hr. Composite	Weekly
Total Suspended Solids	mg/L	24-Hr. Composite	Weekly
Dissolved Oxygen	mg/L	Grab at Peak Flow	Daily
Hydrogen Ion (pH)	mg/L	Grab at Peak Flow	Daily
Total Dissolved Solids	mg/L	24-Hr. Composite	Monthly
Total Phosphate	mg/L	24-Hr. Composite	Monthly
Ammonia as Nitrogen	mg/L	24-Hr. Composite	Monthly
Total Nitrogen	mg/L	24-Hr. Composite	Monthly
Nitrate as Nitrogen	mg/L	24-Hr. Composite	Monthly
Nitrite as Nitrogen	mg/L	24-hr. Composite	Monthly
Fluoride	mg/L	24 Hr. Composite	Quarterly
Sulfate	mg/L	24-Hr. Composite	Quarterly

¹ MGD - Million Gallons-per-Day
² mg/L - Milligrams-per-Liter

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Chloride	mg/L	24-Hr. Composite	Quarterly
Volatile Organic Compounds (EPA Methods 624/625)	µg/L ³	Grab	Annually

WATER SUPPLY MONITORING

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Total Dissolved Solids	mg/L	Composite	Monthly
Chloride	mg/L	Composite	Quarterly
Sulfate	mg/L	Composite	Quarterly

Existing water supply data obtained to satisfy State Department of Health Services requirements may be used to fulfill these requirements.

OPERATION AND MAINTENANCE

An annual report shall be submitted assessing the operational condition of each unit process. The report shall also contain a log of all major repairs and maintenance activities at the treatment plant.

SLUDGE MONITORING

The discharger shall report the quantity, location, and method of disposal of all sludge and similar solid materials being produced at the wastewater treatment plant facility.

Sludge shall be sampled and analyzed for the following constituents:

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Arsenic	mg/kg ⁴	Composite	Annually
Cadmium	mg/kg	Composite	Annually
Chromium	mg/kg	Composite	Annually
Copper	mg/kg	Composite	Annually

³ µg/L - micrograms-per-Liter

⁴ mg/kg - Milligrams-per-kilogram

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Lead	mg/kg	Composite	Annually
Mercury	mg/kg	Composite	Annually
Molybdenum	mg/kg	Composite	Annually
Nickel	mg/kg	Composite	Annually
Selenium	mg/kg	Composite	Annually
Zinc	mg/kg	Composite	Annually
Fecal Coliform	MPN/gram	Composite	Annually

PRETREATMENT REPORT

In the event that the discharger is required to implement a pretreatment program then the discharger shall submit reports as required in accordance with Section F.

REPORTING

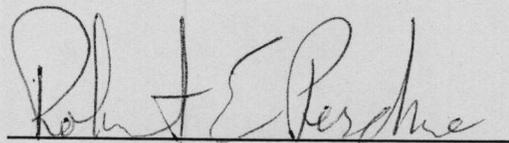
1. The discharger shall arrange the data in tabular form so that the specified information is readily discernible. The data should be summarized in such a manner as to clearly illustrate whether the facility is operating in compliance with waste discharge requirements.
2. Records of monitoring information shall include.
 - a. Chain of custody form(s) containing the following information: sample number and its location; date and time of sampling, sampler's name; sample type, matrix, container and preservative used, analytical methods to be used; date and time of receipt of samples by the representative of the certified laboratory;
 - b. Date analyses were performed, and the individual(s) who performed the analyses;
 - c. The analytical techniques or methods used; and
 - d. The results of such analyses. Analytical results of the pollutants exceeding the background concentrations will be highlighted, reasons for exceedance discussed, and the corrective actions taken to prevent exceedance in the following reporting periods shall be included in the reports submitted to this Board.
3. Monitoring reports shall be certified under penalty of perjury to be true and correct, and shall contain the required information at the frequency designated in this monitoring report.
4. Each report shall contain the following statement:

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

5. A duly authorized representative of the discharger may sign the documents if:
 - a. The authorization is made in writing by the person described above;
 - b. The authorization specified an individual or person having responsibility for the overall operation of the regulated disposal system; and
 - c. The written authorization is submitted to the Regional Board's Executive Officer.
6. Reporting of any failure in the waste disposal system shall be as described as in Provision No. 8 to the Regional Board Office and to the Office of Emergency Services.
7. Daily, weekly and monthly monitoring reports shall be submitted to the Regional Board by the first day of the second month from end of monitoring period. Quarterly monitoring reports shall be submitted by February 1, May 1, August 1, and Nov 1 of each year. Annual reports shall be submitted by February 1 of each year.
8. Submit monitoring reports to:

California Regional Water Quality Control Board
Colorado River Basin Region
73-720 Fred Waring Drive, Suite 100
Palm Desert, CA 92260

Ordered by:

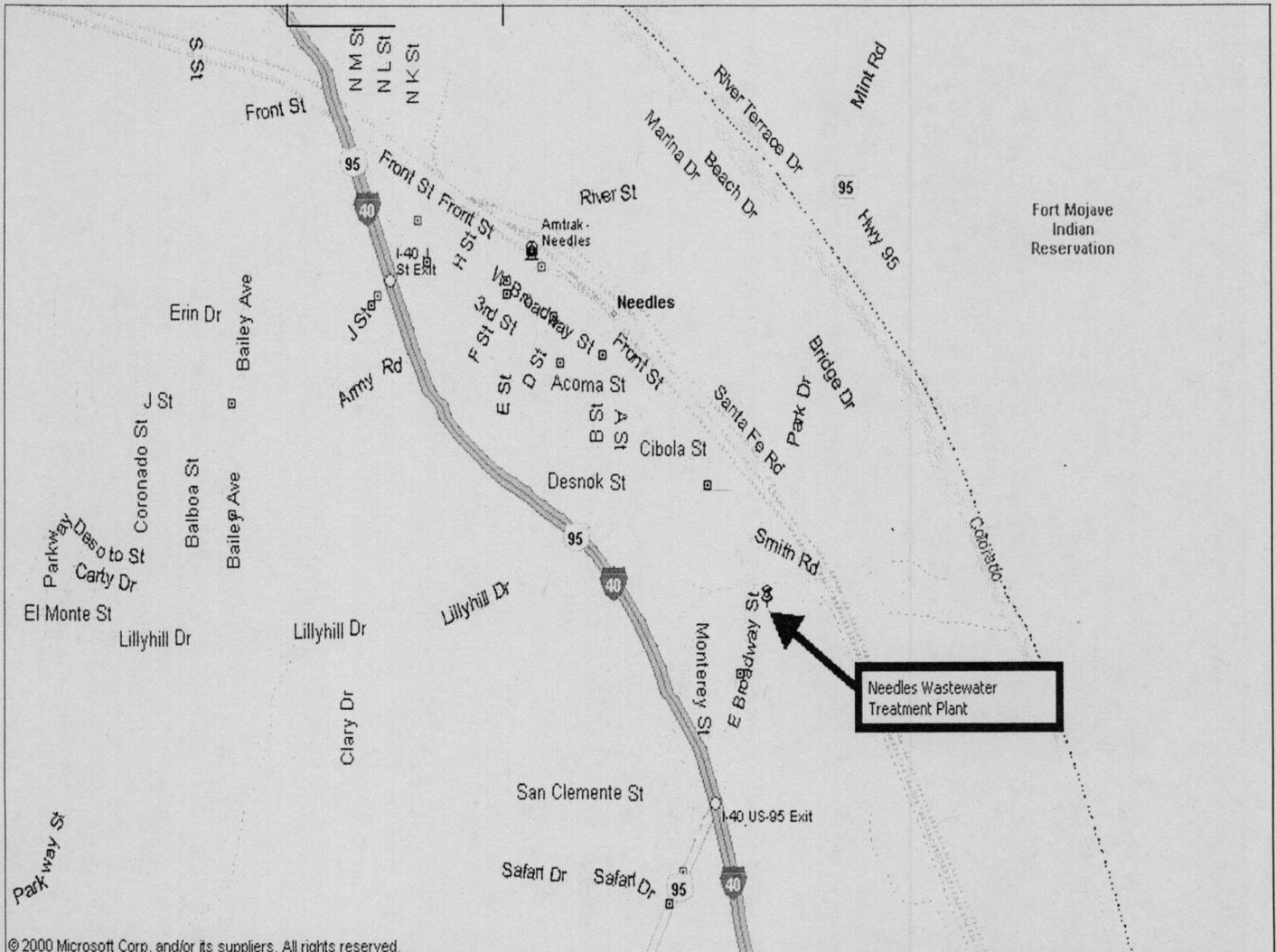


ROBERT PERDUE
Executive Officer

5/2/13
Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ATTACHMENT "A"



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Approximate scale $\frac{1}{2}$ mile

AREA MAP

CITY OF NEEDLES, OWNER/OPERATOR
WASTEWATER TREATMENT PLANT
Needles – San Bernardino County
Section 33 T9N, R22W, SBB&M

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
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ATTACHMENT "B"



SITE MAP

CITY OF NEEDLES, OWNER/OPERATOR
WASTEWATER TREATMENT PLANT
Needles – San Bernardino County
Section 33 T9N, R22W, SBB&M