

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION**

MONITORING AND REPORTING PROGRAM NO. 01-022
FOR
CITY OF BANNING, OWNER
UNITED WATER SERVICES, OPERATOR
BANNING WASTEWATER PLANT
AND WASTEWATER COLLECTION AND DISPOSAL SYSTEMS
Banning - Riverside County

Location of Discharge: Section 14, T3S, R1E, SBB&M

MONITORING

The collection, preservation and holding times of all samples shall be in accordance with United States Environmental Protection Agency (USEPA) approved procedures. Unless otherwise approved by the Regional Board's Executive Officer, all analyses shall be conducted by a laboratory certified by the State Department of Health Services. All analyses shall be conducted in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants" (40 CFR 136), promulgated by the USEPA

Samples shall be collected at the location specified in the Permit. If no location is specified, sampling shall be conducted at the most representative sampling point available.

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>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
20°C BOD ¹ ₅	mg/L ²	24-Hr. Composite	Monthly
Suspended Solids	mg/L	24-Hr. Composite	Monthly

EFFLUENT MONITORING

Wastewater discharged from the facility shall be monitored at the outlet from the final clarifier where representative samples of effluent can be obtained. Wastewater discharged into any holding and/or infiltration basin shall be monitored for the following constituents:

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
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¹ BOD₅ – Biochemical Oxygen Demand

² mg/L = Milligrams-per-Liter

20°C BOD ₅	mg/L	24-Hr. Composite	Weekly
<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Suspended Solids	mg/L	24-Hr. Composite	Weekly
Flow (Total Plant Effluent)	MGD ³	Flow Measurement	Daily ⁴
pH	pH units	Grab	Daily
Total Dissolved Solids	mg/L	Grab	Monthly
Sulfate (SO ₄) ⁵	mg/L	Grab	Monthly
Chloride ⁵	mg/L	Grab	Monthly
Fluoride (F) ⁵	mg/L	Grab	Monthly
Nitrate as N (NO ₃ -N)	mg/L	Grab	Monthly
Aluminum ⁵	mg/L	Grab	Monthly
Iron ⁵	mg/L	Grab	Monthly
Volatile Organic Compounds ⁶	µg/L ⁷	Grab	Annually
Total Nitrogen	mg/L	Grab	Monthly

DOMESTIC WATER SUPPLY

The domestic water supply shall be sampled for the following constituent:

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Total Dissolved Solids	mg/L	Grab	Monthly

³ Million Gallons-per-Day

⁴ Reported for each day with average monthly flow calculated

⁵ As soon as Ground Water monitoring commences, these constituents will not be required in Effluent monitoring.

⁶ Analysis of Volatile Organic Compounds is to be accomplished using the USEPA test methods 601 and 602 or 624.

⁷ µg/L = microgram-per-liter

GROUND WATER MONITORING

Ground water shall be sampled in the uppermost 20 feet of the shallow aquifer from the monitoring wells for the facility, and analyzed for the following constituents: (The ground water monitoring shall commence upon completion of installation of ground water monitoring system. Provisions 28 and 29.)

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Total Dissolved Solids	mg/L	Grab	Quarterly
Total Nitrogen	mg/L	Grab	Quarterly
Nitrate as N	mg/L	Grab	Quarterly
Sulfate	mg/L	Grab	Quarterly
Chloride	mg/L	Grab	Quarterly
Aluminum	mg/L	Grab	Quarterly
Fluoride	mg/L	Grab	Quarterly
Iron	mg/L	Grab	Quarterly
Volatile Organics	µg/L	Grab	Annually
Ground Water Elevation	Feet (MSL ⁸)	Measurement	Quarterly
Ground Water Elevation	Contour Map	Measurement ⁹	Quarterly

OPERATION AND MAINTENANCE

The discharger shall report the following:

<u>Activity</u>	<u>Reporting</u>
To inspect and document any operation/maintenance problems by inspecting each unit process. In addition, calibration of flow meters and equipment shall be performed in a timely manner and documented.	Annually

⁸ Mean Sea Level

⁹ Map based on measurement of depth to groundwater.

PRETREATMENT

The discharger shall provide the Regional Board with an annual report describing the pretreatment program activities over the previous twelve (12)-month period and it shall include:

- a. A summary of actions taken by the discharger which ensures industrial-user compliance;
- b. An updated list of industrial users (by SIC categories) which were issued permits, and/or enforcement orders, and a status of compliance for each user; and
- c. The name and address of each user that received a revised discharge limit.

SLUDGE MONITORING

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

The sludge that is generated at the treatment facility shall be sampled and analyzed for the following:

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Arsenic	mg/kg ¹⁰	Composite	Annually
Cadmium	mg/kg	Composite	Annually
Copper	mg/kg	Composite	Annually
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

¹⁰ Milligrams-per-Kilogram

REPORTING

1. The discharger shall arrange the data in tabular form so that the specified information is readily discernible. The data shall 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. 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.
3. The results of any analysis performed, more frequently than required using test procedures and locations specified in this Monitoring and Reporting Program shall be reported to the Regional Board.
4. 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.
5. 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".
6. 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.

7. Reporting of any failure in the facility (wastewater treatment plant, and collection and disposal systems) shall be as described in Provision No. 10. Results of any analysis performed as a result of a failure of the facility shall be provided with ten (10) days after collection of the samples.
8. Daily, semi-weekly and monthly monitoring reports shall be submitted to the Regional Board by the 15th day of the following month. Quarterly monitoring reports shall be submitted to the Regional Board by January 15, April 15, July 15, and October 15, of each year. Annual monitoring reports shall be submitted to the Regional Board by January 15 of each year.

9. Submit monitoring reports to:

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

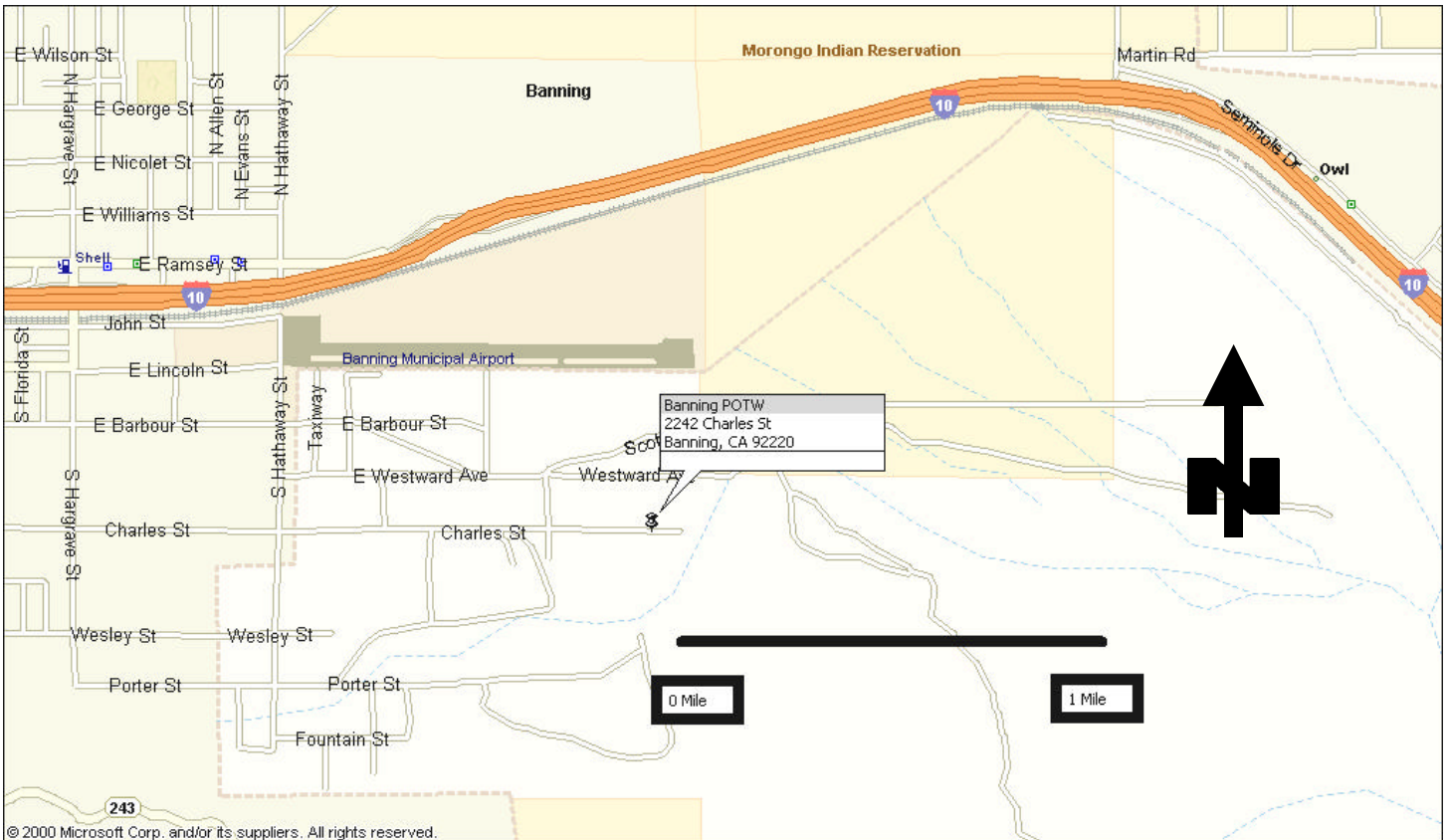
Ordered by:

Executive Officer

May 9, 2001

Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD – 7



SITE MAP

CITY OF BANNING, OWNER
UNITED WATER SERVICES, OPERATOR
BANNING WASTEWATER TREATMENT PLANT
AND WASTEWATER COLLECTION AND DISPOSAL SYSTEMS
Banning – Riverside County
Section 14, T3S, R1E, SBB&M

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