

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

MONITORING AND REPORTING PROGRAM NO. R7-2002-0002
FOR
UNITED STATES MARINE CORPS BASE, OWNER/OPERATOR
CAMP WILSON WASTEWATER TREATMENT PLANT
AND
WASTEWATER COLLECTION AND DISPOSAL SYSTEMS
Twentynine Palms – San Bernardino County

Location of Discharge:

Oxidation Pond System: SW ¼ of Section 28, T3N, R8E, SBB&M

Secondary Treatment Package Plant: Portions of the SE ¼ of Section 28 and NE ¼ of Section 33,
T3N, R8E, SBB&M

MONITORING

1. 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 the "Guidelines Establishing Test Procedures for Analysis of Pollutants" (40CFR Part 136), promulgated by the USEPA.
2. 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.
3. 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 or 4 grab samples in an 8-hour period ³	Once a month
Suspended Solids	mg/L	24-Hr. Composite or 4 grab samples in an 8-hour period	Once a month

¹ BOD₅ – Biochemical Oxygen Demand

² mg/L = Milligrams per Liter

³ The period shall be between 6 am through 4 pm.

SECONDARY EFFLUENT MONITORING

A sampling station shall be established at the point of discharge from the secondary clarifiers and shall be located where representative samples of effluent can be obtained: (In the event that the existing oxidation pond is in operation, the sampling point shall be at the discharge point of the oxidation ponds.)

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
20oC BOD5	mg/L	24-Hr. Composite or 4 grab samples in an 8-hour period	Once a month
Suspended Solids	mg/L	24-Hr. Composite or 4 grab samples in an 8-hour period	Once a month
Flow (Total Plant Effluent)	MGD ⁴	Flow Measurement	Daily ⁵
pH	pH units	Grab	Weekly
Total Dissolved Solids	mg/L	Grab	Monthly
Nitrate as N (NO3-N)	mg/L	Grab	Quarterly
Volatile Organic Compounds ⁶	µg/L ⁷	Grab	Quarterly
Total Petroleum Hydrocarbon	mg/L	Grab	Quarterly
Total Nitrogen	mg/L	Grab	Quarterly

WATER SUPPLY TO THE COMMUNITY

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

⁴ Million Gallons-Per-Day

⁵ Reported for each day with average monthly flow calculated.

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

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
Report the number of persons discharging to the system.	Monthly

SLUDGE MONITORING

The discharger shall report annually 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 ⁸	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 ⁹ /gram	Composite	Annually

⁸ mg/kg - Milligrams per Kilogram

⁹MPN - Most Probable Number

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 take, more frequently than required at the 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 within 10 days after collection of the samples.
8. The discharger shall attach a cover letter to the Self Monitoring Report. The information contained in the cover letter shall clearly identify violations of the WDRs, discuss corrective actions taken or

planned and the proposed time schedule of corrective actions. Identified violations should include a description of the requirement that was violated and a description of the violation.

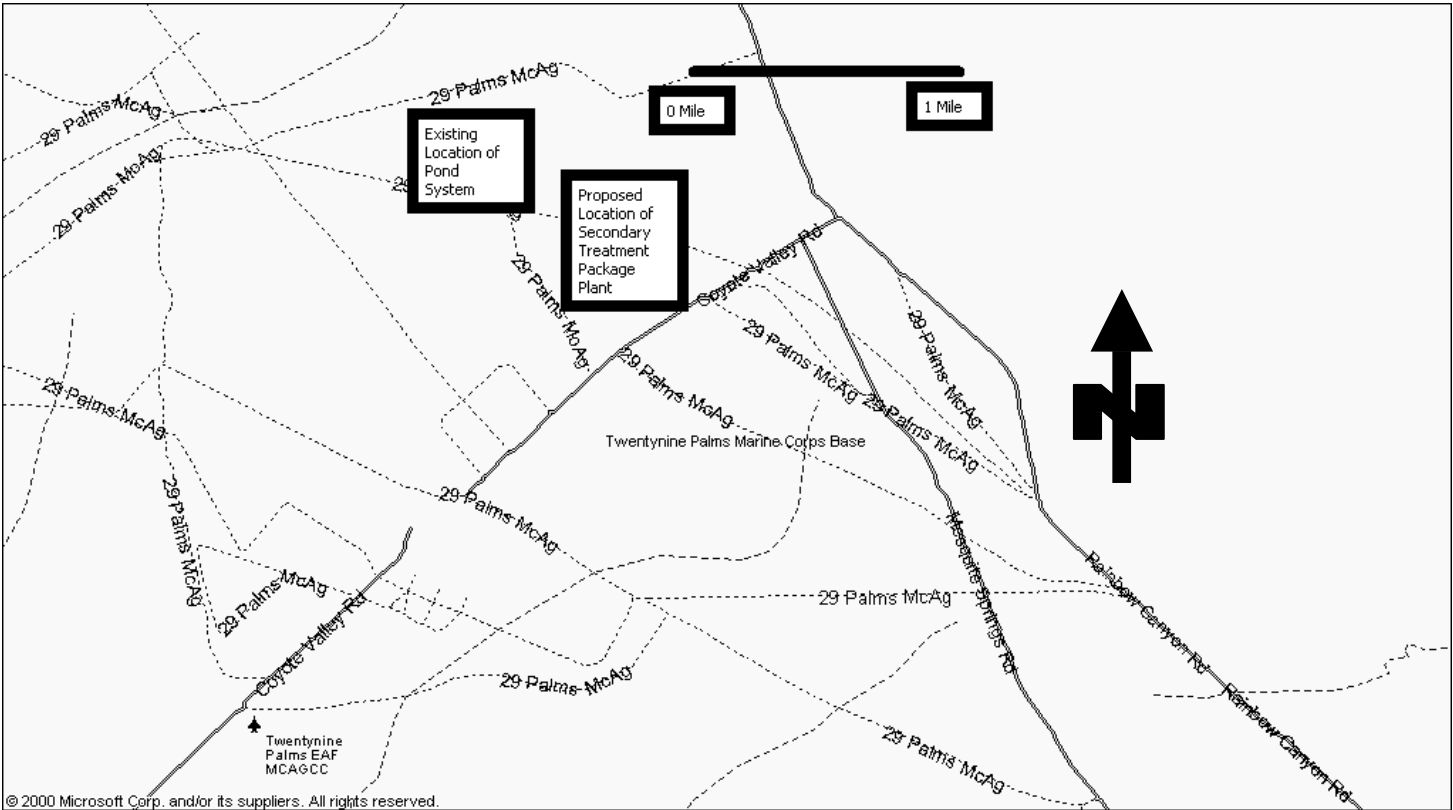
9. Daily, semi-weekly and monthly monitoring reports shall be submitted to the Regional Board by the 15th day of the following month. Quarterly monitoring reports shall be submitted to the Regional Board by January 15, April 15, July 15, and October 15, of each year. Annual monitoring reports shall be submitted to the Regional Board by January 15 of each year.
10. 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

Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION



SITE MAP

UNITED STATES MARINE CORPS BASE
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