CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. R7-2004-0002
FOR
COACHELLA VALLEY WATER DISTRICT, OWNER/OPERATOR
IMPROVEMENT DISTRICT NO. 58 WASTEWATER TREATMENT PLANT, AND
WASTEWATER COLLECTION AND DISPOSAL SYSTEMS
Indio - Riverside County

Location of Discharge:
Main treatment plant site - N ½ of the NE ¼ of Section 4, T5S, R7E, SBB&M
Proposed offsite percolation ponds - SE ¼ of Section 33, T4S and R7E, 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

The wastewater influent to the treatment plant shall be monitored for the following:

Constituents	Units	Type of Sample	Sampling Frequency	Reporting Frequency
Flow (Total Plant influent)	MGD[1]	Flow Measurement	Daily[2]	Monthly
20°C $CBOD_5$[3]	mg/L[4]	24-Hr. Composite	Monthly	Monthly
Suspended Solids	mg/L	24-Hr. Composite	Monthly	Monthly

[1] MGD - Million Gallons-per-Day
[2] Reported for each day with average monthly flow calculated
[3] $CBOD_5$ – Carbonaceous Biochemical Oxygen Demand
[4] mg/L – Milligrams-per-Liter

SECONDARY EFFLUENT MONITORING

A sampling station shall be established at the point of discharge of the secondary clarifier and shall be located where representative samples of effluent can be obtained:

Constituents	Units	Type of Sample	Sampling Frequency	Reporting Frequency
Flow (To percolation ponds)	MGD	Flow Measurement	Daily	Monthly
pH	pH units	Grab	Daily	Monthly
20°C $CBOD_5$	mg/L	24-Hr. Composite	Monthly	Monthly
Suspended Solids	mg/L	24-Hr. Composite	Monthly	Monthly
Total Dissolved Solids	mg/L	24-Hr. Composite or Grab	Monthly	Monthly
Nitrite (NO_2-N) as Nitrogen	mg/L	24-Hr. Composite or Grab	Quarterly	Quarterly
Nitrate (NO_3-N) as Nitrogen	mg/L	24-Hr. Composite or Grab	Quarterly	Quarterly
Total Nitrogen	mg/L	24-Hr. Composite or Grab	Quarterly	Quarterly
Volatile Organic Compounds[5]	µg/L[6]	Grab	Quarterly	Quarterly

[5] Analysis of Volatile Organic Compounds is to be accomplished using the USEPA test methods 601 and 602 or 624.
[6] µg/L - Microgram-per-Liter

DISINFECTED TERTIARY TREATED RECYCLED WATER MONITORING

Disinfected tertiary treated recycled water shall be sampled for the following constituents:

Constituent	Unit	Type of Sample	Sampling Frequency	Reporting Frequency
Chlorine Residual	mg/L	Meter Reading	Continuous[7]	Monthly
Turbidity[8]	NTU[9]	Meter Reading	Continuous[10]	Monthly
Volume of Wastewater Used for Irrigation	MGD	Flow Measurement	Daily	Monthly
Total Coliform	MPN[11]/100 ml	Grab	Daily	Monthly
CT[12]	mg/L	Calculated	Daily	Monthly

The discharger shall provide the location of all sites being irrigated, and the name of the company or agency responsible for the irrigation at individual sites.

WATER SUPPLY TO THE COMMUNITY

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

Constituent	Unit	Type of Sample	Sampling Frequency	Reporting Frequency
Total Dissolved Solids	mg/L	Grab	Annually	Annually

[7] Reported for each day with average chlorine residual calculated.
[8] Turbidity to be measured only for disinfected tertiary treated recycled water.
[9] NTU – Nephelometric Turbidity Unit
[10] Reported for each day with monthly average daily turbidity calculated.
[11] MPN - Most Probable Number
[12] CT - product of total residual chlorine and modal contact time measured at the same point.

GROUND WATER MONITORING

Ground water shall be sampled from WRP7 Monitoring Well (MW-1) and analyzed for the following constituents: (Upon completion of installation of the ground water monitoring system for the off-site percolation ponds, ground water samples shall be collected in the uppermost shallow aquifer from the monitoring wells and analyzed for the following constituents:)

Constituent	Unit	Type of Sample	Sampling Frequency	Reporting Frequency
E. Coli	MPN/100mL	Grab	Quarterly	Quarterly
Total Dissolved Solids	mg/L	Grab	Quarterly	Quarterly
Nitrate	mg/L	Grab	Quarterly	Quarterly
Total Nitrogen	mg/L	Grab	Quarterly	Quarterly
Chloride	mg/L	Grab	Quarterly	Quarterly
Fluoride	mg/L	Grab	Quarterly	Quarterly
Sulfate	mg/L	Grab	Quarterly	Quarterly
Volatile Organics	µg/L	Grab	Quarterly	Quarterly

OPERATION AND MAINTENANCE

The discharger shall report the following:

Activity	Reporting
Inspect and document the presence or absence of treated effluent within the off-site percolation ponds daily and reported monthly. If effluent is present in the off-site percolation ponds, the discharger shall estimate and report the volume of wastewater within the off-site percolation ponds and maintain a daily log of the weather conditions at the treatment facility.	Monthly
The amount of chlorine shall be monitored daily and reported monthly. Chlorine shall be measured in pounds per day.	Monthly
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

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:

Constituent	Unit	Type of Sample	Sampling Frequency	Reporting Frequency
Arsenic	mg/kg[13]	Grab	Annually	Annually
Cadmium	mg/kg	Grab	Annually	Annually
Copper	mg/kg	Grab	Annually	Annually
Lead	mg/kg	Grab	Annually	Annually
Mercury	mg/kg	Grab	Annually	Annually
Molybdenum	mg/kg	Grab	Annually	Annually
Nickel	mg/kg	Grab	Annually	Annually
Selenium	mg/kg	Grab	Annually	Annually
Zinc	mg/kg	Grab	Annually	Annually
Fecal Coliform	MPN/gram	Grab	Annually	Annually

The grab samples shall be representative samples of the sewage sludge.

PRETREATMENT

In the event that Significant Industrial Users [40 CFR Section 403.3(t)] are discharging wastewater to the wastewater treatment facility or the discharges to the facility are otherwise subject to pretreatment requirements, and the discharge rate exceeds 5 MGD, then the discharger shall provide the Regional Board with an annual report describing the pretreatment program activities over the twelve (12) month period and it shall include:

1. A summary of actions taken by the discharger which ensures industrial-users compliance;

2. 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

3. The name and address of each user that received a revised discharge limit.

[13] mg/kg – 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 taken, 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. The Monitoring and Reporting Program and other information requested by the Regional Board shall be signed by a principal executive officer or ranking elected official.

7. 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.

8. Reporting of any failure in the facility (wastewater treatment plant, and collection and disposal systems) shall be as described in Provision No. 13. Results of any analysis performed as a result of a failure of the facility shall be provided within ten (10) days after collection of the samples.

9. 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.

10. 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.

11. 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:

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Executive Officer

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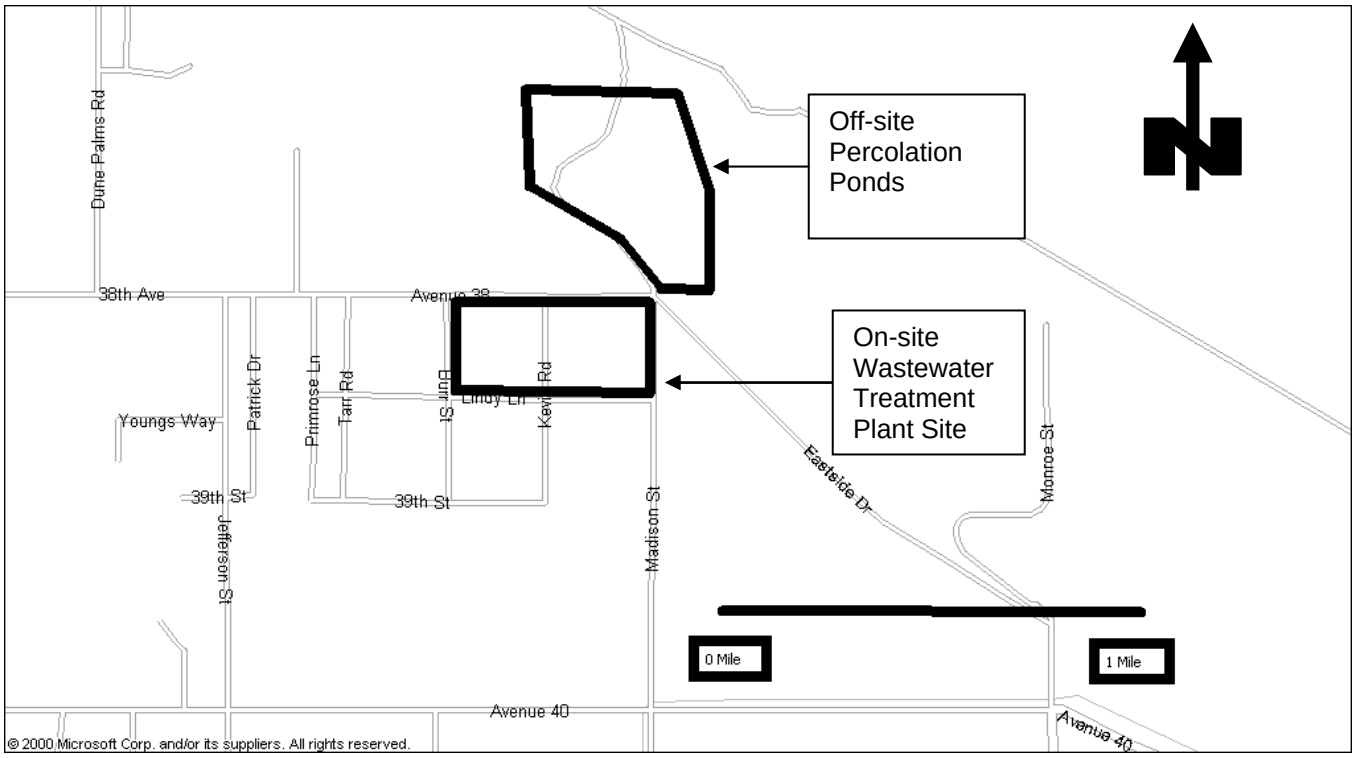
_____

Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION



SITE MAP

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