CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 00-008
FOR
COACHELLA VALLEY WATER DISTRICT, OWNER/OPERATOR
PALM DESERT WASTEWATER RECLAMATION FACILITY
WATER RECLAMATION PLANT NO. 10
Palm Desert - Riverside County

Location of Discharge: S ½, NW ¼, and the N ½, SW ¼ , Section 15, T5S, R6E, SBB&M

MONITORING

The collection, preservation and holding times of all samples shall be in accordance with U. S. Environmental Protection Agency approved procedures. All analyses shall be conducted by a laboratory certified by the State Department of Health Services to perform the required analyses.

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

Constituents	Units	Type of Sample	Sampling Frequency
20°C $CBOD_5$[1]	mg/L[2]	24-Hr. Composite	Monthly
Suspended Solids	mg/L	24-Hr. Composite	Monthly

EFFLUENT MONITORING

A sampling station shall be established at the point of discharge and shall be located where representative samples of effluent can be obtained. Wastewater discharged into any holding and/or infiltration basin shall be monitored for the following constituents:

Constituents	Units	Type of Sample	Sampling Frequency
20°C $CBOD_5$	mg/L	24-Hr. Composite	Twice-Weekly
Suspended Solids	mg/L	24-Hr. Composite	Twice-Weekly
Settleable Matter	ml/L[3]	Grab at Peak Flow	Twice-Weekly
Flow (Total Plant Effluent)	MGD[4]	Flow Measurement	Daily[5]

		Type of	Sampling

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

Constituents	Units	Sample	Frequency
pH	pH units	Grab	Daily
Total Dissolved Solids	mg/L	Grab	Monthly
Sulfate (SO_4)	mg/L	Grab	Monthly
Chloride	mg/L	Grab	Monthly
Fluoride (F)	mg/L	Grab	Monthly
Nitrate as N (NO_3-N)	mg/L	Grab	Monthly
Nitrite	mg/L	Grab	Monthly
Volatile Organic Compounds[6]	µg/L[7]	Grab	Quarterly
Total Nitrogen	mg/L	Grab	Quarterly

TERTIARY EFFLUENT MONITORING

Tertiary treated effluent shall be sampled for the following constituents:

Constituent	Unit	Type of Sample	Sampling Frequency
Total Coliform	MPN[8]/100 ml	Grab	Daily[9]
Volume of Wastewater Used for Irrigation at Each Location	Gallons/Day	Flow Measurement	Monthly
Turbidity	NTU[10]	Continuous	Meter Reading[11]
Chlorine Residual	mg/L	Continuous	Meter Reading[12]

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.

[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
[8] Most Probable Number
[9] To be taken during highest flow and influent characteristics demand on the treatment and chlorination facilities. The sample may be taken at any point in treatment process. Sampling time and location shall be included with all Monitoring Reports.
[10] NTU – Nephelometric Turbidity Unit
[11] Reported for each day with average daily turbidity calculated.
[12] Reported for each day with average chlorine residual calculated.

DOMESTIC WATER SUPPLY

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

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

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:

Constituent	Unit	Type of Sample	Sampling Frequency
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
Fluoride	mg/L	Grab	Quarterly
Volatile Organics	μg/L	Grab	Quarterly
Ground Water Elevation	Feet (MSL[13])	Measurement	Quarterly
Ground Water Elevation	Contour Map	Measurement[14]	Quarterly

OPERATION AND MAINTENANCE

The discharger shall report the following:

Activity	Reporting
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
The amount of chlorine shall be monitored daily and reported monthly. Chlorine shall be measured in pounds per day.	

[13] Mean Sea Level
[14] Map based on measurement of depth to groundwater.

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:

Constituent	Unit	Type of Sample	Sampling Frequency
Arsenic	mg/kg[15]	Grab	Annually
Cadmium	mg/kg	Grab	Annually
Copper	mg/kg	Grab	Annually
Lead	mg/kg	Grab	Annually
Mercury	mg/kg	Grab	Annually
Molybdenum	mg/kg	Grab	Annually
Nickel	mg/kg	Grab	Annually
Selenium	mg/kg	Grab	Annually
Zinc	mg/kg	Grab	Annually
Fecal Coliform	MPN/gram	Grab	Annually

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.

[15] Milligrams per Kilogram

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 waste disposal system shall be as described in Provision No. 10.

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:

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Executive Officer

June 28, 2000
Date