

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

ORDER NO. 89-004  
NPDES NO. CA 0104493

WASTE DISCHARGE REQUIREMENTS  
FOR  
COACHELLA SANITARY DISTRICT  
Coachella - Riverside County

The California Regional Water Quality Control Board, Colorado River Basin Region, finds that:

1. Coachella Sanitary District (hereinafter also referred to as the discharger), 1515 Sixth Street, Coachella, California 92236, submitted an NPDES Application dated August 5, 1988 to renew a permit to discharge wastewater into Coachella Valley Stormwater Channel. Said application is assigned Application No. CA 0104493.
2. The discharger presently discharges a peak month average daily flow of 1.4 mgd and a peak week average daily flow of 1.5 mgd of treated wastewater from an activated sludge type treatment plant, which is designed for an average daily flow of 2.4 mgd. Said wastewater is discharged into the Coachella Valley Stormwater Channel, 11.75 miles from Salton Sea in the NW 1/4, NW 1/4 of Section 15, T6S, R8E, SBB&M. Treated sludge from the plant is first dried in sludge drying beds and then plowed into on-site soil.
3. The discharger periodically discharges treated wastewater onto a pasture in the NE 1/4 of Section 16, and in the NW 1/4 of Section 15, T6S, R8E, SBB&M, subject to waste discharge requirements in Board Order No. 85-23.
4. The Water Quality Control Plan for the Colorado River Basin Region of California was adopted by the Regional Board on November 14, 1984. The Basin Plan contains water quality objectives for the Coachella Hydrologic Subunit.
5. Beneficial uses of water in the Coachella Valley Stormwater Channel, which are to be protected by this Order, are as follows:
  - a. Fresh water replenishment for Salton Sea
  - b. Warm water habitat for fish and wildlife
  - c. Recreation - water contact and non-water contact
6. The discharge has been subject to waste discharge requirements adopted in Board Order No. 84-009 (NPDES No. CA 0104493) which allows discharge to the Coachella Valley Stormwater Channel.

*Replaced  
by 84-073*

7. In accordance with Water Code Section 13389, the issuance of waste discharge requirements for this discharge is exempt from the provisions of the California Environmental Quality Act described in Chapter 3 (commencing with Section 21100 et. seq.) Division 13 of the Public Resources Code.
8. The purpose of this Board Order is to renew waste discharge requirements contained in Board Order No. 84-009.
9. The Board has notified the discharger and interested agencies and persons of its intent to renew waste discharge requirements for the said discharge.
10. The Board in a public meeting heard and considered all comments pertaining to the existing discharge.
11. This Order shall serve as a National Pollutant Discharge Elimination System Permit pursuant to Section 402 of the Federal Clean Water Control Act, or amendments thereto, and shall take effect at the end of ten days from date of adoption provided the EPA Regional Administrator has no objections.

IT IS HEREBY ORDERED, the Coachella Sanitary District, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Federal Clean Water Control Act and regulations and guidelines adopted thereunder, shall comply with the following:

A. Effluent Limitations

1. Representative samples of wastewater discharged to the Coachella Valley Stormwater Channel shall not contain constituents in excess of the following limits:

<u>Constituent</u>	<u>Unit</u>	<u>30-Day Arithmetic Mean Discharge Rate<sup>1</sup></u>	<u>7-Day Arithmetic Mean Discharge Rate<sup>2</sup></u>
20°C BOD <sub>5</sub>	mg/l	30	45
Suspended Solids	mg/l	30	45
Settleable Matter	ml/l	0.3	0.5

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<sup>1</sup>30-day mean: The arithmetic mean of pollutant parameter values of samples collected in a period of 30 consecutive days.

<sup>2</sup>7-day mean: The arithmetic mean of pollutant parameter values of samples collected in a period of 7 consecutive days.

2. The 30-day average percent removal of the pollutant parameters BOD<sub>5</sub> and suspended solids shall not be less than 85 percent.
3. The effluent values for pH shall be maintained within the limits of 6.0 to 9.0.
4. The peak month average daily flow shall not exceed 2.4 mgd.
5. Wastewater at point of discharge to Coachella Valley Stormwater Channel shall have a fecal coliform concentration not in excess of a log mean of Most Probable Number (MPN) of 200 per 100 milliliters (based on a minimum of not less than five samples for any 30-day period) nor shall more than ten percent of total samples during any 30-day period exceed 400 MPN per 100 milliliters.
6. Wastewater discharged to Coachella Valley Stormwater Channel shall not contain a total chlorine residual of greater than 0.2 mg/l as an instantaneous maximum, and 0.1 mg/l as a monthly average.

To allow time for budgeting and construction, full compliance with this chlorine requirement shall be achieved on or before June 28, 1991.

<u>Task</u>	<u>Completion Date</u>
Project Budgeting & Design	June 28, 1990
Project Construction & Full Operation	June 28, 1991
Progress Reports	Every 90 Days Beginning June 28, 1989

7. The Coachella Sanitary District shall maintain a daily record of the following:
  - a. The chlorine residual in the effluent during the period of peak flow.
  - b. The amount of chlorine used and the flow treated.

#### B. Receiving Water Limitations

Wastewater discharged to the Coachella Valley Stormwater Channel shall not:

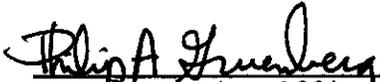
1. Depress the dissolved oxygen content of water in the Channel below 5.0 mg/l.
2. Cause presence of oil, grease, scum, sludge, or solids.
3. Contain heavy metals or associated chemicals or pesticides in concentrations toxic to fish and other aquatic life.

#### C. Provisions

1. Neither the treatment nor the discharge of wastewater shall create pollution or nuisance as defined in Division 7 of the California Water Code.
2. Adequate measures shall be taken to assure that flood or surface drainage waters do not erode or otherwise render portions of the discharge facilities inoperable.
3. This Order includes the attached "Monitoring and Reporting Program No. 89-004", and future revisions thereto.
4. Bioassays shall be performed annually to evaluate the toxicity of the discharged wastewater in accordance with the following procedures:
  - a. Within 4 months of the effective date of this Order, the discharger shall begin conducting bioassays on a fish species and an invertebrate. Fish bioassays shall be performed according to the protocol given in EPA/600/4-85/014 - Short Term Methods for Estimating the Chronic Toxicity of Effluent and Receiving Waters to Fresh Water Organisms.
  - b. When the program described above in 4.a. has been completed, this permit will be reopened. At that time, effluent variability will be calculated and a numerical effluent limit established for toxicity. Compliance monitoring shall then be based on annual bioassays of the organism which showed greater sensitivity during the effluent limit characterization program. Selection of the more sensitive species will be made by the Regional Board.
5. This Order expires five (5) years from January 25, 1989 and the discharger shall file a Report of Waste Discharge in accordance with Title 23, California Code of Regulations, at least 180 days in advance of such date as an application for issuance of new waste discharge requirements.
6. Facilities shall be available to keep the plant in operation in the event of commercial power failure.
7. The discharger's wastewater treatment plant shall be supervised and operated by persons possessing certification of appropriate grade pursuant to Subchapter 14, Chapter 4, Title 23, California Code of Regulations.
8. The discharger shall implement acceptable operational and maintenance practices at the wastewater treatment plant so that needed repairs and maintenance are performed in a timely manner.
9. Treated or untreated sludge or similar solid waste materials shall be disposed only at locations approved by the Executive Officer.

IT IS FURTHER ORDERED THAT: Board Order No. 84-009 be superseded by this Order.

I, Phil Gruenberg, Executive Officer, do hereby certify the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, Colorado River Basin Region, on June 28, 1989.

  
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Executive Officer

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

**MONITORING AND REPORTING PROGRAM NO. 89-004  
FOR  
COACHELLA SANITARY DISTRICT  
Coachella - Riverside County**

Location of Discharge: Coachella Valley Stormwater Channel, in NW 1/4, NW 1/4 of Section 15, T6S, R8E, SBB&M

**EFFLUENT MONITORING**

Wastewater discharged to Coachella Valley Stormwater Channel shall be monitored for the following constituents. A sampling station shall be established where representative samples of the effluent can be obtained.

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Flow (Total)	MGD	Average Daily	Reported Monthly <sup>1</sup>
Discharge to Stormwater Channel	MGD	Average Daily	Reported Monthly <sup>1</sup>
Settleable Matter	ml/l	Grab at Peak Flow	Weekly
Suspended Solids	mg/l	8-Hr. Composite	Weekly
20°C BOD <sub>5</sub>	mg/l	8-Hr. Composite	Weekly
pH	pH Units	Grab at Peak Flow	Daily <sup>2</sup>
Coliform	MPN/100 ml	Grab at Peak Flow	Twice Per Week
Chlorine Residual	mg/l	Grab at Peak Flow	Daily <sup>2</sup>
Bioassay			Annually

**INFLUENT MONITORING**

The wastewater influent to the treatment facilities shall be monitored for 20°C BOD<sub>5</sub> and for Suspended Solids, weekly, 8-Hr. Composite.

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<sup>1</sup>For each day with average monthly flow calculated.

<sup>2</sup>Once per weekday.

OPERATION AND MAINTENANCE

Activity

Reporting

To inspect and document any operational and maintenance problems by reviewing each unit process.

Yearly

REPORTING

Monthly and weekly monitoring reports shall be submitted to the Regional Board by the 15th day of the following month. Annual reports shall be submitted by January 15th of each year to:

California Regional Water Quality Control Board  
Colorado River Basin Region  
73-271 Highway 111, Suite 21  
Palm Desert, CA 92260

A copy of the Discharge Monitoring Report shall also be sent to:

Regional Administrator  
Environmental Protection Agency  
Region 9, Attn: 65/MR, W-3  
215 Fremont Street  
San Francisco, CA 94105

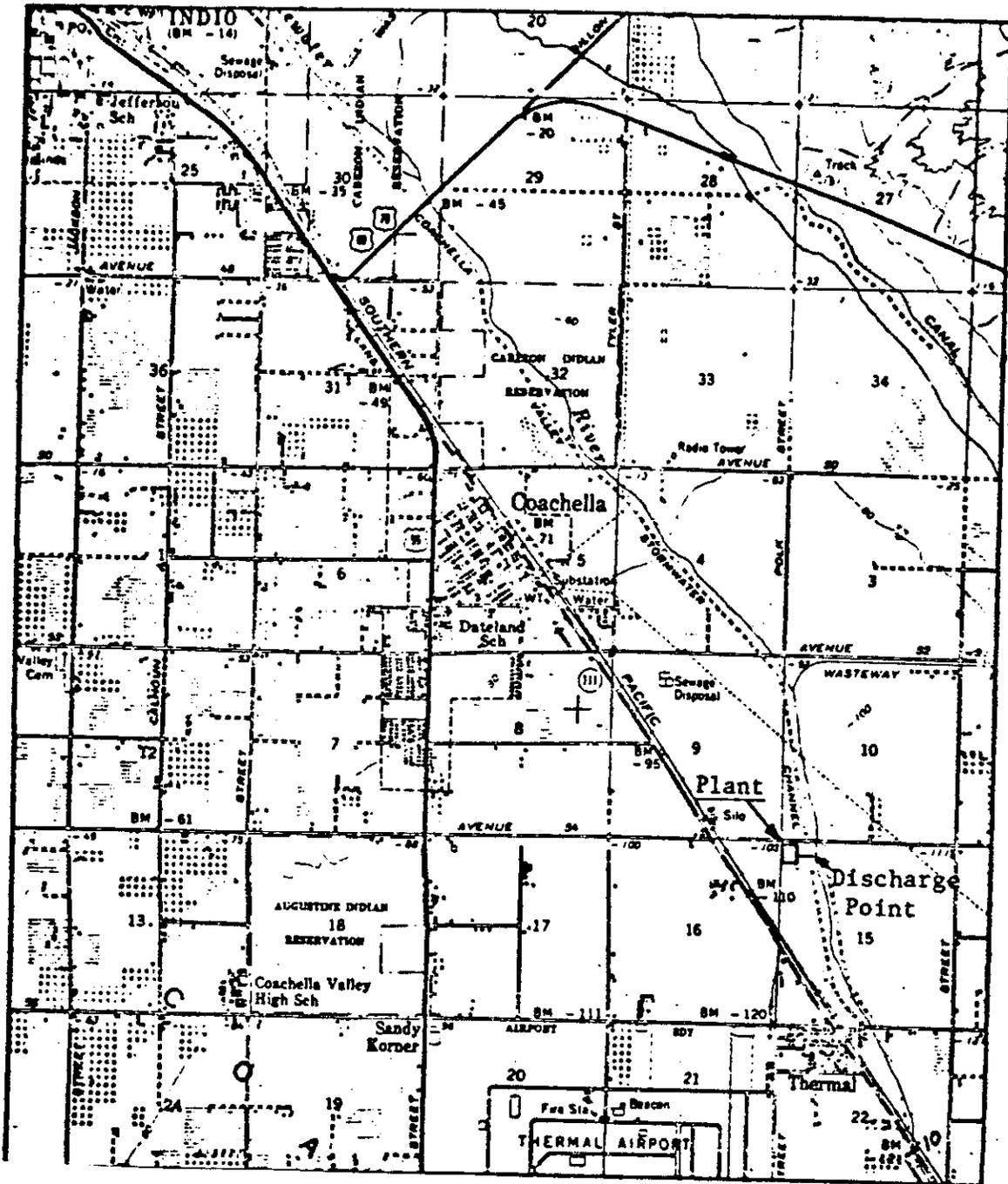
ORDERED BY:

Philip A. Guenberg  
Executive Officer

June 28, 1989

Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD - 7



Scale:  
1" = 1 mi.

SITE MAP

COACHELLA SANITARY DISTRICT  
 Coachella - Riverside County  
 Discharge Point: Coachella Valley Stormwater Channel, in NW¼, NW¼  
 of Section 15, T6S, R8E, SBB&M  
 USGS Coachella 15 min. Topographic Map

Order No. 89-004