

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

ORDER NO. 85-12
NPDES NO. CA0104477

WASTE DISCHARGE REQUIREMENTS
FOR
VALLEY SANITARY DISTRICT
Indio - Riverside County

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

1. Valley Sanitary District (hereinafter also referred to as the discharger), 45-500 Van Buren Street, Indio, California, 92201, submitted an updated NPDES Application for Permit to Discharge dated October 19, 1984. Said application is assigned Application No. CA0104477.
2. The discharger requests that additional waste discharge effluent limitations be added to the discharger's requirements to provide for existing trickling filter and existing waste stabilization treatment process trains, in accordance with EPA secondary treatment regulations 40 CFR, Parts 122 and 133, dated September 20, 1984.
3. The discharger presently discharges a peak month average daily flow of 3.8 mgd and a peak week average daily flow of 4.5 mgd of wastewater from an activated sludge type treatment plant. Said wastewater is discharged into Coachella Valley Stormwater Channel, 17 miles from Salton Sea, in the SW $\frac{1}{4}$, SW $\frac{1}{4}$ of Section 19, T5S, R8E, SBB&M. The design capacities of the three parallel treatment trains are as follows:

a. Activated Sludge	5.0 mgd
b. Trickling Filter	0.5 mgd
c. Waste Stabilization Ponds	<u>2.0 mgd</u>
Total	<u>7.5 mgd</u>

4. Currently the activated sludge process is in use and meets secondary effluent limitations as set forth in Paragraph 133.102, 40 CFR, Part 133.

The trickling filter and waste stabilization pond treatment trains are to be reactivated but prior experience shows that these trains cannot meet the effluent limitations set forth in Paragraph 133.102. The effluent limitations for these trains are based on Paragraph 133.104, with alternative State limitations for suspended solids as set forth in State Water Resources Control Board's Clean Water Grant Bulletin No. 59, A, dated January 23, 1979 (treatment equivalent to secondary treatment).

*Superseded by
89-077-
11/29/89*

5. The Water Quality Control Plan for the Colorado River Basin Region of California was adopted on November 14, 1984. The Basin Plan contains water quality objectives for Coachella Hydrologic Subunit.
6. Beneficial uses of the water in Coachella Valley Stormwater Channel, which are to be protected by this Order, are as follows:
 - a. Freshwater replenishment for Salton Sea.
 - b. Warm freshwater habitat for fish and wildlife.
 - c. Recreation - non-water contact.
7. The Regional Board's Water Quality Control Plan, Item A.9. Bacteria, in Chapter 4, reads as follows:

"In waters designated for contact recreation (REC I), the fecal coliform concentration based on a minimum of not less than five samples for any 30-day period, shall not exceed a log mean of 200 MPN per 100 ml, nor shall more than ten percent of total samples during any 30-day period exceed 400 MPN per 100 ml. These bacteriological values are to be used as maximum allowables."

Also, Chapter 3, Table 3-3 of said Plan states that Rec II (non-water contact use) is the beneficial use of Coachella Valley Stormwater Channel, and that the REC II is an unauthorized use of this channel. The Regional Board believes that for REC II the necessary coliform limitations would be no more stringent than for REC I.

8. The issuance of waste discharge requirements for this discharge is exempt from the provisions of Chapter 3 (commencing with Section 21000 et. seq.) of Division 13 of the Public Resources Code in accordance with Water Code Section 13389.
9. The discharge has been subject to waste discharge requirements adopted in Order No. 84-31 (NPDES No. CA0104477) which allows discharge to Coachella Valley Stormwater Channel.
10. The Board has notified the discharger and interested agencies and persons of its intent to update requirements for the existing discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
11. The Board in a public meeting heard and considered all comments pertaining to the discharge.
12. This Order shall serve as a National Pollutant Discharge Elimination System Permit pursuant to Section 402 of the Federal Clean Water Act, or amendments thereto, and shall take effect at the end of ten days from date of adoption provided the Regional Administrator has no objections.

IT IS HEREBY ORDERED, Valley 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 Act and regulations and guidelines adopted thereunder, shall comply with the following:

A. Effluent Limitations

1. Representative samples of wastewater discharged to Coachella Valley Stormwater Channel shall not contain constituents in excess of the following limits. Each discharging treatment train shall be monitored separately:

Constituent	Unit	30-Day Arithmetic Mean Discharge Rate	7-Day Arithmetic Mean Discharge Rate
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a. Activated Sludge Treatment Train

20°C BOD ₅	lbs/day	1251	1876
	mg/l	30	45
Suspended Solids	lbs/day	1251	1876
	mg/l	30	45
Settleable Matter	ml/l	0.3	0.5

b. Trickling Filter Treatment Train

20°C BOD ₅	lbs/day	188	271
	mg/l	45	65
Suspended Solids	lbs/day	188	271
	mg/l	45	65
Settleable Matter	ml/l	0.3	0.5

c. Waste Stabilization Pond Treatment Train

20°C BOD ₅	lbs/day	751	1084
	mg/l	45	65
Suspended Solids	lbs/day	1585	-
	mg/l	95	-
Settleable Matter	ml/l	0.3	0.5

2. The arithmetic mean of the values, by weight, for effluent samples collected for 20°C BOD₅ and for suspended solids in any 30-day period shall not be greater than the following arithmetic means of the values, by weight, for influent samples collected during the same 30-day period.

- a. Activated Sludge Treatment Train

20° BOD₅ - 15 percent (85 percent removal)
Suspended Solids - 15 percent (85 percent removal)

- b. Trickling Filter Treatment Train

20°C BOD₅ - 35 percent (65 percent removal)
Suspended Solids - 35 percent (65 percent removal)

- c. Waste Stabilization Pond Treatment Train

20°C BOD₅ - 35 percent (65 percent removal)
Suspended Solids - not applicable

3. The effluent values for pH shall remain within the limits of 6.0 to 9.0.
4. Wastewater discharged to Coachella Valley Stormwater Channel shall have a log mean of Most Probable Number of total coliform organisms of not more than 200 per 100 ml, nor shall more than 10 percent of the total samples during any 30-day period exceed 400 Most Probable Number per 100 ml, at some point in the treatment process.
5. Valley 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.
6. The discharger shall continue the operation of the activated sludge treatment train at its present level of treatment capability (antibacksliding Paragraph 133.105 (f)).

B. Receiving Water Limitations

1. Wastewater discharged to Coachella Valley Stormwater Channel shall not:
 - a. Depress the dissolved oxygen content of said Channel below 5.0 mg/l

- b. Cause presence of oil, grease, scum, sludge, or solids.
 - c. Contain heavy metals or associated chemicals or pesticides in concentrations toxic to fish and other aquatic life.
2. This discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Regional Board or the State Water Resources Control Board as required by the Federal Clean Water Act and regulations adopted thereunder.

C. Pretreatment Provisions

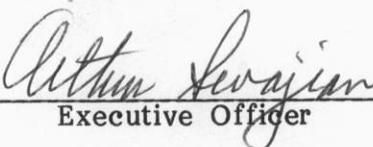
1. The discharger shall develop and maintain an industrial pretreatment program in accordance with Federal Clean Water Act, Section 402 (b)(8), and (9), and Federal Pretreatment Regulations 40 CFR 403.
2. The discharger shall implement an approved Industrial Pretreatment Program in accordance with the legal authorities, policies, and procedures described in its pretreatment program document and in accordance with the Federal Pretreatment Regulations in 40 CFR 403.
3. The discharger shall maintain an adequate revenue program, and enforce prohibitions and any applicable National Pretreatment Standards established by the U.S. Environmental Protection Agency (EPA).
4. The discharger shall provide EPA and the Regional Board with an annual report describing the pretreatment program activities over the previous 12-month period. The report shall be transmitted to EPA and the Regional Board no later than January 31 and 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.
5. The Regional Board and EPA retain the right to take legal action against an industrial user and/or the discharger where a user fails to meet the approved applicable pretreatment standards.

D. Other Provisions

1. Neither the treatment nor the discharge of wastes shall cause a pollution or a nuisance, as defined in Division 7 of the California Water Code.

2. Adequate protective works shall be provided to assure that a flood which would be expected to occur on a frequency of once in a 100-year period, would not erode or otherwise render portions of the treatment and discharge facilities inoperable.
3. This Order supersedes this Board's Order No. 84-31.
4. This Order includes the attached "Monitoring and Reporting Program No. 85-12", and future revisions thereto, as specified by the Executive Officer.
5. This Order expires five (5) years from January 23, 1985, and the discharger shall file a Report of Waste Discharge in accordance with Title 23, California Administrative Code, not later than 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 Chapter 3, Subchapter 14, Title 23, California Administrative Code.

I, Arthur Swajian, 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 January 23, 1985.



Executive Officer

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

MONITORING AND REPORTING PROGRAM NO. 85-12 (Revision No. 1)
FOR
VALLEY SANITARY DISTRICT
Indio - Riverside County

Location of Discharge: SW $\frac{1}{4}$, SW $\frac{1}{4}$, of Section 19, T5S, R8E, SBB&M

MONITORING

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.

Constituent	Unit	Type of Sample	Sampling Frequency
Flow (Total) ⁴	MGD	Average Daily	Reported Monthly ¹
Discharge to Stormwater Channel	MGD	Average Daily	Reported Monthly ¹
Settleable Matter ⁴	ml/l	Grab at Peak Flow	Weekly
Suspended Solids ⁴	mg/l	24-hr. Composite	Weekly
20°C BOD ₅ ⁴	mg/l	24-hr. Composite	Weekly
pH ⁴	pH Units	Grab at Peak Flow	Daily ²
Total Coliform ⁵	MPN/100 ml	Grab at Peak Flow	Twice Weekly ³
Chlorine Residual ⁵	mg/l	Grab at Peak Flow	Daily ²

1. Reported for each day with average monthly flow calculated.
2. Once per weekday.
3. Sample may be taken at any approved point in the treatment process.
4. From each discharging treatment train.
5. Sample from total combined flow or from each treatment train.

INFLUENT MONITORING

The wastewater influent to the treatment facilities shall be monitored for 20°C BOD₅ and for suspended solids, bi-weekly, 24-hour composite samples.

REPORTING

Monitoring data shall be submitted to the Regional Board as follows:

Daily, weekly, and bi-weekly data reported monthly by the 15th day of the following month.

Forward monitoring reports 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 IX, Attn: 65/MR, W-3
215 Fremont Street
San Francisco, CA 94105

ORDERED BY

Arthur Sevajian
Executive Officer

April 29, 1986
Date

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

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FOR
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Indio - Riverside County

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*Replaced by
85-12 (Rev. 10/1)*

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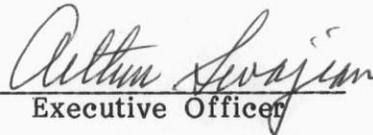
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215 Fremont Street
San Francisco, CA 94105

Ordered by:


Executive Officer

January 23, 1985

Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD - 7



SITE MAP
 VALLEY SANITARY DISTRICT
 Indio - Riverside County
 SW $\frac{1}{4}$, SW $\frac{1}{4}$ of Section 19, T5S, R8E, SBB&M
 USGS Indio 7.5 min. Topographic Map