

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

ORDER NO. 91-018

WASTE DISCHARGE REQUIREMENTS  
FOR  
COACHELLA VALLEY WATER DISTRICT  
IMPROVEMENT DISTRICT NO. 58  
Northwest of Indio - Riverside County

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

1. Coachella Valley Water District (hereinafter also referred to as the discharger), P.O. Box 1058, Coachella, California 92236, verified as accurate the updated information given below on December 20, 1990.
2. The discharger is discharging an annual average daily flow of 350,000 gallons-per-day (gpd) of domestic sewage to a wastewater treatment plant, from residences in an area northwest of Indio. The treatment plant has a design flow of 700,000 gpd and consists essentially of the following:

- a. Four synthetically lined and mechanically aerated oxidation basins,
- b. Two synthetically lined settling basins, and
- c. Fifteen infiltration basins.

Final disposal of the treated wastewater is by subsurface infiltration in the unlined basins. The treatment plant is located in the NE $\frac{1}{4}$  of the NE $\frac{1}{4}$  of Section 4, T5S, R7E, SBB&M, as shown on the attached site map.

3. The discharger reports that depth to ground water near the vicinity of discharge is 81 feet below ground surface and that there are no drinking water wells nearby. The nearest irrigation well is located at least 250 feet from the infiltration basins.
4. The Water Quality Control Plan for the Colorado River Basin Region of California designates the beneficial uses of ground and surface waters in this Region.
5. The beneficial uses of ground waters in the Coachella Hydrologic Subunit are:
  - a. Municipal supply (MUN)
  - b. Industrial supply (IND)
  - c. Agricultural supply (AGR)
6. This discharge has been subject to waste discharge requirements adopted in Board Order No. 88-063.

The purpose of this Board Order is to update the waste discharge requirements of Board Order No. 88-063.

*Superseded  
by Board Order  
# 94-044  
6/29/94*

8. The Board has notified the discharger and all known interested agencies and persons of its intent to update waste discharge requirements for this discharge.
9. The Board in a public meeting heard and considered all comments pertaining to this discharge.
10. In accordance with Section 15301, Chapter 3, Title 14 of the California Code of Regulations, the issuance of these waste discharge requirements, which govern the operation of an existing facility involving negligible or no expansion of use beyond that previously existing, is exempt from the provisions of the California Environmental Quality Act (Public Resources Code, Section 21000 et seq.).

IT IS HEREBY ORDERED, that the discharger shall comply with the following:

A. Discharge Specifications

1. The treatment or disposal of wastes at this facility shall not cause pollution or nuisance as defined in Sections 13050(1) and 13050(m) of Division 7 of the California Water Code.
2. A minimum depth of freeboard of two (2) feet shall be maintained at all times in the basins.
3. There shall be no discharge of industrial wastewaters to the treatment plant.
4. Treatment and discharge of wastewater shall be conducted by technical procedures which will maintain a surface aerobic environment in the basins.
5. Increase of total dissolved solids in the treatment plant effluent over that contained in the community water supply shall not exceed 300 mg/l.
6. The maximum daily flow shall not exceed 700,000 gpd.
7. There shall be no surface flow of wastewater away from the designated disposal areas.
8. Disposal by infiltration shall be conducted in such a manner that there shall be no stranded or exposed sewage solids in the infiltration basins.
9. Treated or untreated sewage sludge or similar solid waste materials removed from the basins, shall be disposed only at locations approved by the Executive Officer.
10. Facilities shall be available to handle wastewater in the event of commercial power failure.
11. Adequate protective works shall be provided to assure that a flood which would be expected to occur at a frequency of once in a 100-year period would not erode or otherwise render portions of the treatment and discharge facilities inoperable.

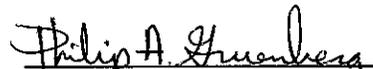
12. Adequate measures shall be taken to assure that unauthorized persons and animal pets are effectively excluded from contact with the discharge.

B. Provisions

1. Prior to any change in ownership or management of this operation, the discharger shall transmit a copy of this Board Order to the succeeding owner/operator, and forward a copy of the transmittal letter to the Regional Board.
2. The discharger's facility shall be supervised and operated by persons possessing certification of appropriate grade pursuant to Chapter 14, Division 3, Title 23, California Code of Regulations.
3. The discharger shall comply with "Monitoring and Reporting Program No. 91-018" and future revisions thereto as specified by the Executive Officer.

IT IS FURTHER ORDERED that Board Order No. 88-063 be superseded by this Board Order.

I, Philip A. 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 March 13, 1991.

  
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Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 91-018  
FOR  
COACHELLA VALLEY WATER DISTRICT  
IMPROVEMENT DISTRICT NO. 58  
Northwest of Indio - Riverside County

Location of Discharge: NE¼, NE¼ of Section 4, T5S, R7E, SBB&M

EFFLUENT MONITORING

The treatment plant effluent discharge to the infiltration basins shall be monitored for the following:

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Volatile Organic Analyses	µg/l	Grab	Annually
Total Dissolved Solids	mg/l	Grab	Quarterly
Total Nitrogen (as N)	mg/l	Grab	Quarterly
Nitrates (as N)	mg/l	Grab	Quarterly
Flow Measurement	Gallons/day	Flow	Daily <sup>1</sup>

WATER SUPPLY MONITORING

The water supply delivered to the community shall be monitored for the following constituents, and the reported level of each constituent shall be a weighted average of all sources:

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Total Dissolved Solids	mg/l	Grab	Semiannually
Nitrates (as N)	mg/l	Grab	Semiannually

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

REPORTING

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

1. Annual reports - by January 15 of each year.
2. Semiannual reports - by January 15 and July 15 of each year.
3. Quarterly reports - by January 15, April 15, July 15, and October 15 of each year.
4. Daily reports - by the 15th of the following month.

Submit monitoring reports to:

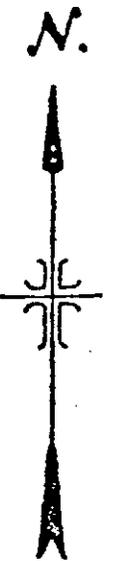
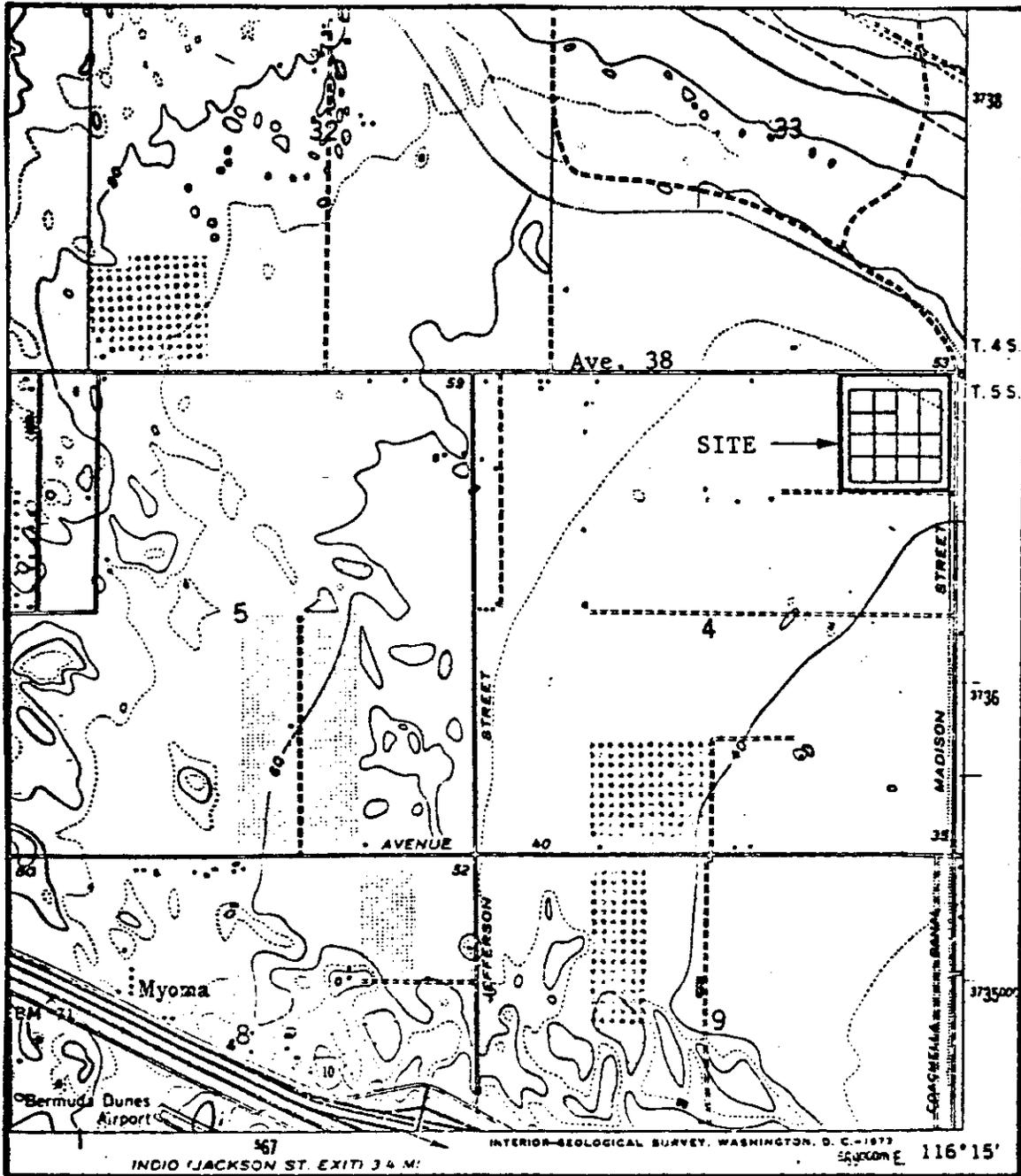
California Regional Water Quality Control Board  
Colorado River Basin Region  
73-271 Highway 111, Suite 21  
Palm Desert, CA 92260

ORDERED BY:

Philip A. Greenberg  
Executive Officer

March 13, 1991

Date



Scale:  
1" = 2,000'

SITE MAP

COACHELLA VALLEY WATER DISTRICT  
IMPROVEMENT DISTRICT NO. 58  
Northwest of Indio - Riverside County  
NE $\frac{1}{4}$ , NE $\frac{1}{4}$  of Section 4, T5S, R7E, SBB&M  
USGS Myoma 15 min. Topographic Map

Board Order No. 91-018