

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

ORDER NO. 89-028

WASTE DISCHARGE REQUIREMENTS  
FOR  
COACHELLA VALLEY WATER DISTRICT  
NORTH SHORE WASTEWATER RECLAMATION PLANT  
Riverside County

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

1. The Coachella Valley Water District (hereinafter also referred to as the discharger), P.O. Box 1058, Coachella, California 92236 submitted current information on February 3, 1989 to update waste discharge requirements.
  2. The discharger is currently discharging an average of 22,000 gallons-per-day (gpd) of treated domestic sewage into four evaporation-infiltration basins for final disposal. The basins are located in the NW $\frac{1}{4}$  of Section 34, T7S, R10E, SBB&M, as indicated in the attached site map. The source of wastewater is the nearby North Shore community housing.
  3. The discharger operates two types of treatment facilities at the site of said disposal basins:
    - a. An activated sludge treatment plant capable of providing secondary and tertiary treatment to a maximum of 180,000 gpd of wastewater.
    - b. An oxidation treatment basin having a design treatment capacity of 33,000 gpd of wastewater. The basin is mechanically aerated and is lined with a single synthetic liner.
- The discharger reports that the activated sludge treatment plant is used only when the maximum daily flow exceeds 33,000 gpd, otherwise the oxidation basin is used for treatment of wastewater.
4. The Water Quality Control Plan for the Colorado River Basin Region of California was adopted by the Regional Board on November 14, 1984.
  5. The location of discharge is in the East Salton Sea Hydrologic Unit. The beneficial uses of the ground water at some locations of this hydrologic unit are:
    - a. Municipal supply
    - b. Industrial supply
    - c. Agricultural supply

*2/1/89  
Admin.  
Revised*

However, shallow ground water at the location of discharge is brackish and not beneficially used.

6. This discharger has been subject to waste discharge requirements adopted in Board Order No. 84-54.
7. The Board has notified the discharger and interested agencies and persons of its intent to update waste discharge requirements for the discharge.
8. The Board in a public meeting heard and considered all comments pertaining to the existing discharge.
9. 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, the discharger shall comply with the following:

A. Discharge Specifications

1. Representative samples of wastewater discharged from the activated sludge-treatment plant shall not contain constituents in excess of the following limits:

<u>Constituent</u>	<u>Units</u>	<u>30-Day Arithmetic Mean Discharge Rate</u>	<u>7-Day Arithmetic Mean Discharge Rate</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

2. The Coachella Valley Water District shall not deliver reclaimed wastewater from the above facility for re-use by others.
3. The volume of wastewater treated by the oxidation basin system described in Finding No. 3 (above) shall not exceed 33,000 gallons-per-day unless approved by the Executive Officer.
4. A minimum depth of freeboard of at least two (2) feet shall be maintained at all times in the basin.

5. Sewage sludge shall not be discharged to any natural or artificial channel or to the Salton Sea.
6. There shall be no surface flow of sewage away from the designated disposal areas.
7. Provision shall be made for the measurement of wastewater flow.
8. No wastewater other than domestic sewage shall be discharged to the basins.
9. Disposal by infiltration shall be conducted in such a manner that there shall be no stranded or exposed sewage solids in the infiltration basin(s).
10. Facilities shall be available to handle wastewater in the event of commercial power failure.
11. Treated or untreated sludge, or similar solid waste materials, shall be disposed only at locations approved by the Executive Officer.

B. Provisions

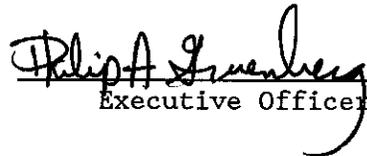
1. The treatment or disposal of wastes shall not cause pollution or nuisance as defined in Section 13050(1) and 13050(m) of the California Water Code.
2. Adequate measures shall be taken to assure that unauthorized persons and animal pets are effectively excluded from contact with the discharge.
3. Adequate 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.
4. Prior to any modifications in this facility which would result in material change in the quality or quantity of wastewater discharged, or any material change in location of discharge, the discharger shall report in writing to the Regional Board.
5. The discharger's facility shall be supervised and operated by persons possessing certification of appropriate grade pursuant to Chapter 3, Subchapter 14, Title 23, California Code of Regulations.
6. The discharger shall comply with "Monitoring and Reporting Program No. 89-028" and future revisions thereto, as specified by the Executive Officer.
7. In the event of any change in operation, or in control or ownership of land or waste disposal facilities owned or controlled by the discharger, the discharger shall:

a. Notify this Board of such change; and

b. Transmit a copy of this Order to the succeeding owner or operator, and file a copy of the transmittal letter with this Board.

IT IS FURTHER ORDERED that Board Order No. 84-54 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 May 17, 1989.

  
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 89-028  
FOR  
COACHELLA VALLEY WATER DISTRICT  
NORTH SHORE WASTEWATER RECLAMATION PLANT  
Riverside County

Location of Discharge: NW¼, Section 34, T7S, R10E, SBB&M

EFFLUENT MONITORING

Wastewater discharged from the activated sludge treatment facilities shall be monitored for the following:

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
20°C BOD <sub>5</sub>	mg/l	Grab at Peak Flow	Weekly
Suspended Solids	mg/l	Grab at Peak Flow	Weekly
Settleable Matter	ml/l	Grab at Peak Flow	Weekly
Flow (Total Plant Effluent)	Gallons/Day	Flow Measurement	Estimated Monthly

Wastewater discharged from the oxidation basin shall be monitored for the following:

<u>Constituent</u>	<u>Unit</u>	<u>Sampling Frequency</u>
Total Flow	Gallons/Day	Daily (Reported Monthly)

REPORTING

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

Monthly and weekly reports - reported monthly by the 15th day of the following month.

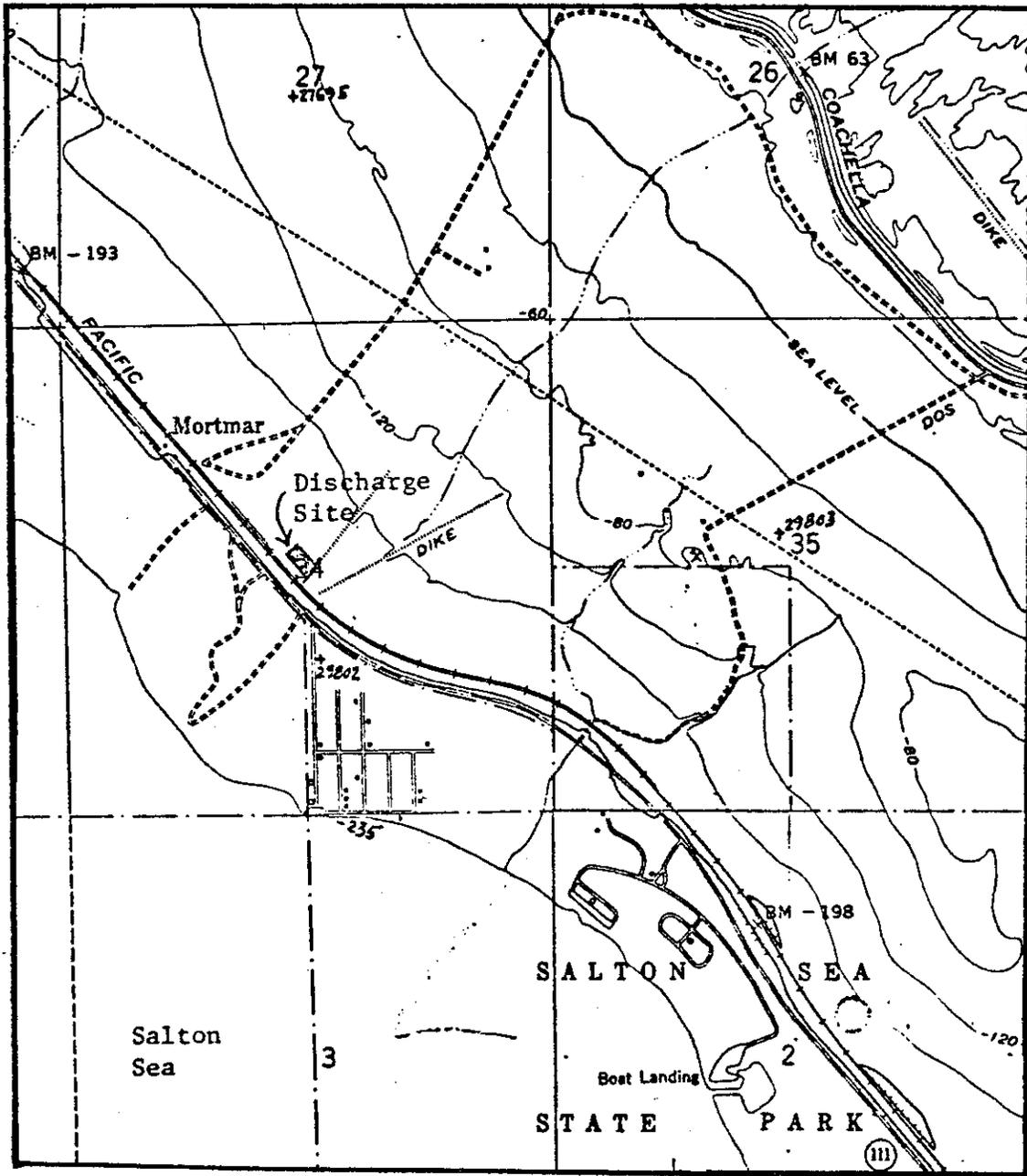
Submit monitoring reports to:

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

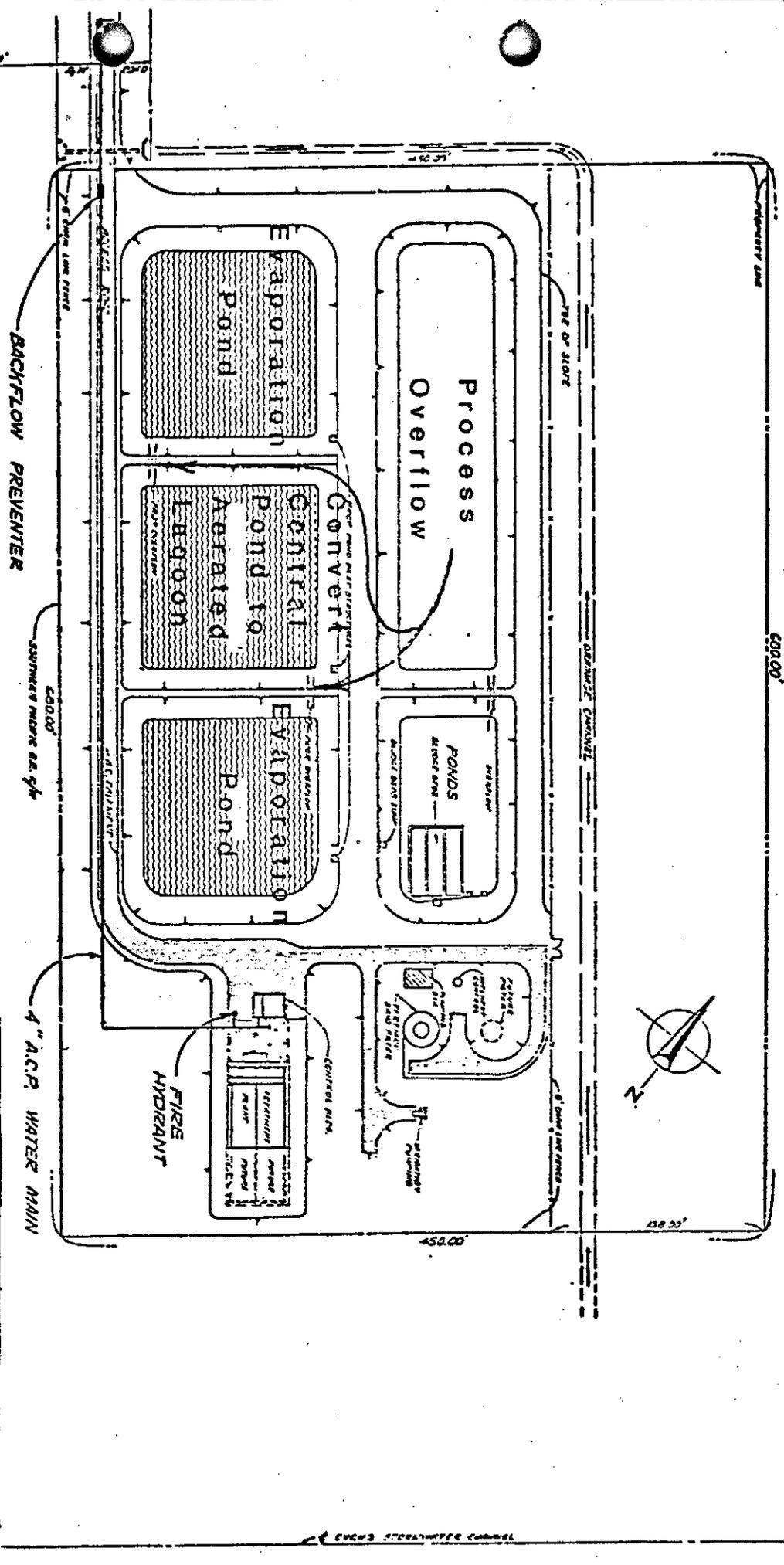
May 17, 1989  
Date



SITE MAP NO. 1

COACHELLA VALLEY WATER DISTRICT  
NORTH SHORE WASTEWATER RECLAMATION PLANT  
Riverside County  
NW¼, Section 34, T7S, R10E, SBB&M  
USGS Mortmar 7.5 min. Topographic Map

Order No. 89-028



COACHELLA VALLEY COUNTY WATER DISTRICT  
 NORTH SHORE BEACH  
 NORTH SHORE WASTEWATER RECLAMATION PLANT  
 Site Map No. 2

**RECLAMATION PLANT LAYOUT**

DATE 9/75	PHILIP ABRAMS CONSULTING ENGINEERS INC.	FIG. NO. I-3
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Order No. 84-54