

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. 82-1
NPDES NO. CA0104949

WASTE DISCHARGE REQUIREMENTS
FOR
IMPERIAL IRRIGATION DISTRICT
ROCKWOOD GAS TURBINE STATION
South of Brawley - Imperial County

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

1. Imperial Irrigation District (hereinafter also referred to as the discharger), P.O. Box 937, Imperial, CA 92251, submitted an NPDES Application for Permit to Discharge, dated September 2, 1981. Said application is assigned Application No. CA0104949.
2. The discharger is discharging a maximum of 8,000 gallons-per-operating-day of wastewater from a gas power plant. The wastewater is generated from daily cleaning and operating plant filters, softeners, reverse osmosis units, a demineralizer neutralizer and an evaporative cooler. The wastewater discharges into Bryant Drain No. 2 and flows approximately 3 miles to Bryant Drain, and then flows for about 2 miles to Alamo River. The wastewater enters said river about 25 miles from Salton Sea. The discharge location is in the SW 1/4 of the SW 1/4 of Section 4, T14S, R14E, SBB&M.
3. The discharger adds the following chemicals for the following plant processes:
 - (1). Chlorine is added to control biological growth in the filters, softeners and reverse osmosis elements;
 - (2). Sulfuric Acid and Hexameta Phosphate are added to protect the reverse osmosis units from deterioration and silt fouling, plus maintain a pH level between 4.0 to 7.5 and a Phosphate level of 5 mg/l;
 - (3). and the demineralizer is regenerated with Sulfuric Acid and Caustic Soda, which are mixed and neutralized before being discharged into the drain.

*Superseded
by
86-73
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Blow-down wastewater from the evaporative coolers contains a Total Dissolved Solids of about 40 mg/l.

4. The Water Quality Control Plan for the West Colorado River Basin Region was adopted on April 10, 1975. The Basin Plan contains water quality objectives for Imperial Hydrologic Unit.
5. The beneficial uses of water in Alamo River, and Imperial Valley Drains discharging thereto are:
 - a. Transport of dissolved solids to Salton Sea for Agricultural soil salinity control.
 - b. Freshwater replenishment for Salton Sea.
 - c. Freshwater habitat for fish and wildlife.
 - d. Recreation - non-water contact.
6. The issuance of waste discharge requirements for this discharge is exempt from the provisions of Chapter 3 (commencing with Section 21000) of Division 13 of the Public Resources Code in accordance with Water Code Section 13389.
7. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the proposed discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
8. The Board in a public meeting heard and considered all comments pertaining to the discharge.
9. 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 hearing, provided the Regional Administrator has no objections.

IT IS HEREBY ORDERED, Imperial Irrigation 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 Bryant Drain No. 2 shall not contain constituents in excess of the following limits:

<u>Constituent</u>		<u>30-Day Arithmetic Mean Discharge Rate</u>	<u>Maximum Discharge Rate</u>
a. Total Dissolved Solids	lbs/day mg/l	270 4,000	300 4,500
b. Suspended Solids	lbs/day mg/l	2 30	7 100
c. Settleable Matter	ml/l	0.3	1.0
d. Total Chlorine Residual	mg/l	0.2	0.5

2. The effluent values for pH shall remain within the limits of 6.0 to 9.0.

B. Receiving Water Limitations

1. Wastewater discharged to Bryant Drain No. 2 shall not contain any substances in concentrations toxic to human, animal, plant or 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 Clean Water Act and regulations adopted thereunder.

C. Provisions

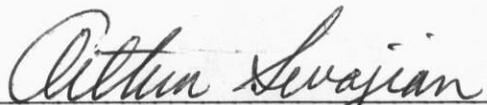
1. Neither the treatment nor the discharge of waste shall cause a pollution or a nuisance, as defined in Division 7 of the California Water Code.
2. Adequate protective works shall be provided to assure that a flood which would be expected to occur on a frequency of once in a 100-year period, would not erode or otherwise render portions of the treatment and discharge facilities inoperable.

3. This Order includes the attached "Monitoring and Reporting Program No. 82-1", and future revisions thereto, as specified by the Executive Officer.
4. This permit shall be modified, or alternatively, revoked and reissued, to comply with any applicable effluent standard or limitation issued or approved under sections 301(b) (2) (C), and (D), 304(b) (2), and 307(a) (2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
 - a. Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
 - b. Controls any pollutant not limited in the permit.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Act then applicable.

5. Any proposed change of corrosion control or biological control chemicals utilized in the plant processes shall be reported to the Regional Board, and the discharger shall obtain approval from the Executive Officer prior to commencement of discharge of these chemicals.
6. This Order expires five (5) years from January 27, 1982, 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.

I, Arthur Swajian, Executive Officer, do hereby certify that 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 27, 1982


Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 82-1

FOR

IMPERIAL IRRIGATION DISTRICT
ROCKWOOD GAS TURBINE STATION
South of Brawley - Imperial County

Location of Discharge: Bryant Drain No. 2 in Section 4, T14S, R14E, SBB&M

EFFLUENT MONITORING

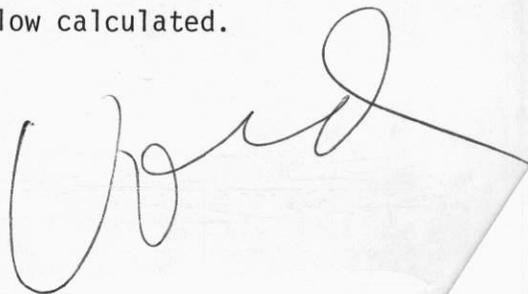
Wastewater discharged to Bryant Drain No.2 shall be monitored for the following constituents. All samples shall be taken between 6 a.m. and 6 p.m. from Bryant Drain No. 2 at the intersection of Bryant Road and Mead Road.

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Total Dissolved Solids	mg/l	Grab	Weekly
Flow	Gallons/day	Average Daily	Daily*
pH	pH Units	Grab	Weekly
Suspended Solids	mg/l	Grab	Monthly
Settleable Matter	ml/l	Grab	Weekly
Total Chlorine Residual	mg/l	Grab	Daily - Monday through Friday holiday excepted

REPORTING

Daily, weekly and monthly monitoring reports shall be submitted to the Regional Board by the 15th day of the following month.

*Reported for each day with average monthly flow calculated.



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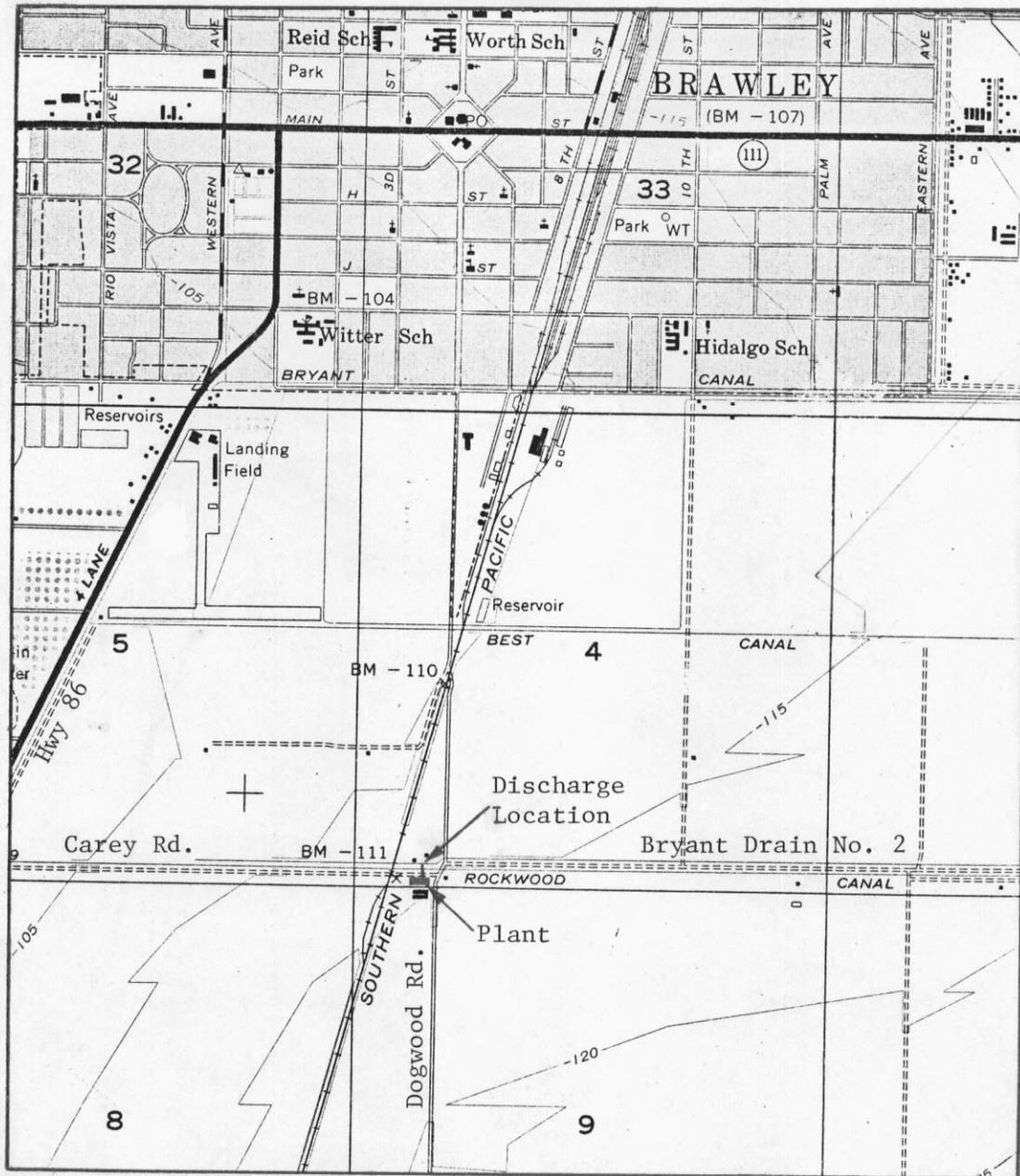
Forward monitoring reports to:

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

ORDERED BY: Arthur Sevajian
Executive Officer

January 27, 1982
Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD - 7



Scale:
1" = 2,000'

SITE MAP
 IMPERIAL IRRIGATION DISTRICT
 ROCKWOOD GAS TURBINE STATION
 South of Brawley - Imperial County
 Discharge Location: SW 1/4, SW 1/4 of Section 4, T14S, R14E, SBB&M
 USGS Brawley 7.5 min. Topographic Map

Order No. 82-1

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 82-1 (REVISION NO. 1)
FOR
IMPERIAL IRRIGATION DISTRICT
ROCKWOOD GAS TURBINE STATION
South of Brawley - Imperial County

Location of Discharge: Bryant Drain No. 2 in Section 4, T14S, R14E, SBB&M

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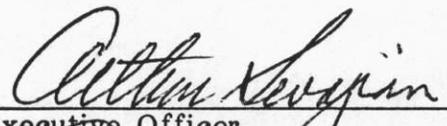
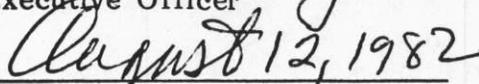
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Daily, weekly and monthly monitoring reports shall be submitted to the Regional Board by the 15th day of the following month.

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:


Executive Officer

Date

*Reported for each day with average monthly flow calculated.