

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. 81-20
NPDES NO. CA0104345

WASTE DISCHARGE REQUIREMENTS
FOR
SUNSET MUTUAL WATER COMPANY
El Centro - Imperial County

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

1. Sunset Mutual Water Company (hereinafter also referred to as the discharger) P.O. Box 47, El Centro, CA 92243, submitted an updated NPDES Application for Permit to Discharge dated December 3, 1980. Said application is assigned Application No. CA0104345.
2. The discharger is presently discharging an average daily flow of 20,000 gallons-per-day of domestic sewage into an activated sludge type treatment plant with a design flow of 50,000 gallons-per-day. The treated wastewater is discharged into Lotus Drain in the NW 1/4 of Section 1, T16S, R13E, SBB&M, and flows for about 50 miles via Central Drain and Alamo River before entering Salton Sea.
3. 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.
4. The beneficial uses of the water in the 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. Warm freshwater habitat for fish and wildlife.
 - d. Recreation - nonwater contact.
5. 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.

Supervised by
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6. The discharge has been subject to waste discharge requirements, Order No. 76-19 (Revised), adopted by the Regional Board on May 18, 1977 (NPDES No. CA 0104345), which allows discharge to Lotus Drain.
7. 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.
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, Sunset Mutual Water Company, 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 Lotus Drain shall not contain constituents in excess of the following limits:

<u>Constituent</u>	<u>Unit</u>	<u>30-Day Arithmetic Mean Discharge Rate</u>	<u>7-Day Arithmetic Mean Discharge Rate</u>
Total Dissolved Solids	lbs/day mg/l	830 2000	960 2300
20°C BOD5	lbs/day mg/l	13 30	19 45
Suspended Solids	lbs/day mg/l	13 30	19 45
Settleable Matter	ml/l	0.3	0.5

2. The arithmetic mean of the values by weight for effluent samples collected for 20°C BOD and for suspended solids in any 30-Day period shall not be greater than 15 percent of the arithmetic mean of the values, by weight, for influent samples collected during the same 30-day period (85 percent removal).
3. The effluent values for pH shall remain within the limits of 6.0 and 9.0.

B. Receiving Water Limitations

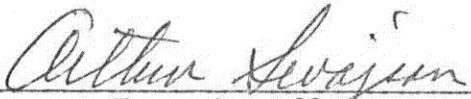
1. Wastewater discharged to Lotus Drain shall not:
 - a. Depress the dissolved oxygen content of said Drain below 5.0 mg/l.
 - b. Cause presence of oil, grease, sludge, or solids.
 - c. Contain any substances in concentrations toxic to human, animal, plant or aquatic life.
2. This discharge shall not 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 Federal Clean Water Act and regulations adopted thereunder.

C. 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 Board Order No. 76-19 (Revised) (NPDES No. CA0104345).
4. This Order includes the attached "Monitoring and Reporting Program No. 81-20", and future revisions thereto, as specified by the Executive Officer.

5. This Order expires five (5) years from March 25, 1981, 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. In the event of any change in control or ownership of land or waste discharge facilities presently owned or controlled by the discharger, the discharger shall notify the succeeding owner or operator by letter of the existence of this Order, and file a copy of said letter with this Board.
8. 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 March 25, 1981.


Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 81-20
FOR
SUNSET MUTUAL WATER COMPANY
El Centro - Imperial County

Location of Discharge: Lotus Drain in the NW 1/4 of Section 1, T16S,
R13E, SBB&M.

EFFLUENT MONITORING

Wastewater discharged into Lotus Drain shall be monitored for the following constituents. All samples shall be taken between 6 a.m. and 6 p.m. A sampling station shall be established at the point of discharge into said Drain, and shall be located where representative samples of the effluent can be obtained.

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Total Dissolved Solids	mg/l	8-Hr. Composite	Quarterly
20°C BOD ₅	mg/l	8-Hr. Composite	Monthly
Suspended Solids	mg/l	8-Hr. Composite	Monthly
Settleable Matter	ml/l	Grab at Peak Flow	Monthly
pH	pH Units	Grab	Monthly
Dissolved Oxygen	mg/l	Grab	Monthly
Flow	Gallons/ day	Flow Measurement	Reported Monthly*

INFLUENT MONITORING

The wastewater influent to the treatment facilities shall be monitored for 20°C BOD₅ and for Suspended Solids, 8-Hr. Composite, quarterly.

*For each day with average monthly flow calculated.

REPORTING

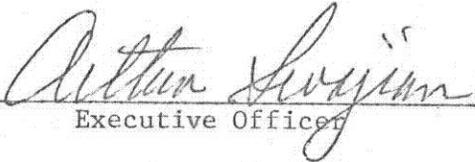
Monthly monitoring reports shall be submitted to the Regional Board by the 15th day of the following month. Quarterly reports shall be submitted by January 15, April 15, July 15, and October 15 of each year.

The discharger shall implement the above monitoring program within 30 days of the effective date of this Order.

Forward monitoring reports to:

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

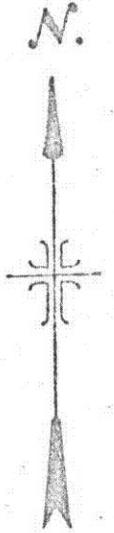
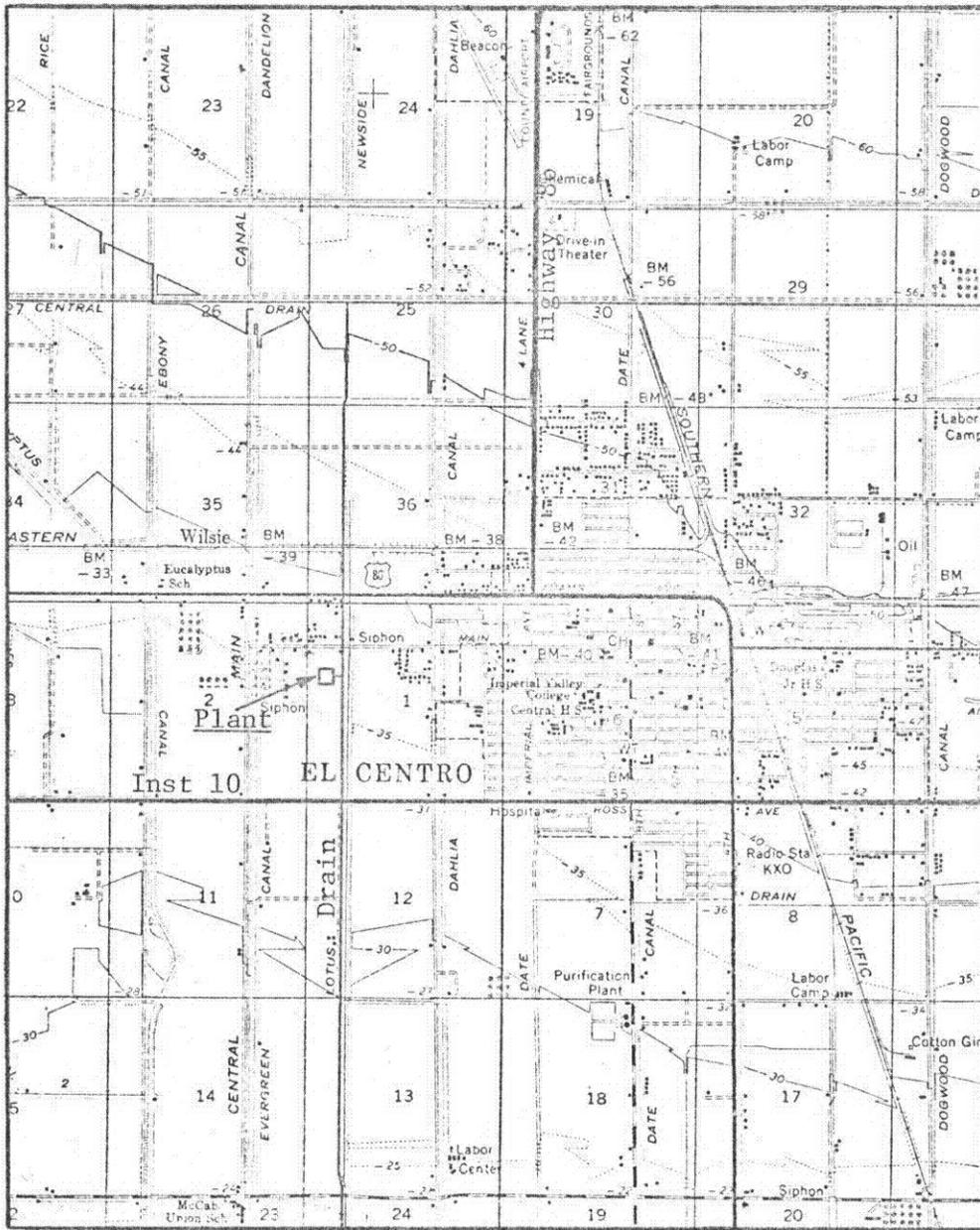
ORDERED BY


Executive Officer

March 25, 1981

Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD - 7



Scale:
1" = 1mi.

SITE MAP
SUNSET MUTUAL WATER COMPANY
El Centro - Imperial County
Location of Discharge: NW 1/4 of Section 1, T16S, R13E, SBB&M
USGS Brawley 15 min. Topographic Map

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