

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. 76-19 (Revised)
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, California 92243, submitted an NPDES Application for Permit to Discharge dated December 23, 1975. Said application is assigned Application No. CA0104345.
2. The discharger proposes to expand existing facilities, having a design capacity of 25,000 gallons-per-operating-day of sewage, to a design capacity of 50,000 gallons-per-operating-day of sewage. Sewage will be discharged into Lotus Drain in the NW $\frac{1}{4}$, Section 1, T16S, R13E, SBB&M. The wastewater flow is from Lotus Drain, to Central Drain, to Alamo River, a distance of approximately 11 miles, and enters Alamo River at River Mile 38.75.
3. The Water Quality Control Plan for the West Colorado River Basin was adopted on April 10, 1975. This Order implements the objectives stated in the Plan.
4. The beneficial uses of the Alamo River and the Imperial Valley Drains are:
 - a. Limited public fishing activity
 - b. Fish and wildlife habitation
 - c. Freshwater replenishment for Salton Sea
 - d. Transport of dissolved solids to Salton Sea for agricultural soil salinity control.

*Superseded
Jey 8/1-70
3/25/81*

5. Effluent limitations, national standards of performance, and toxic and pretreatment effluent standards established pursuant to Sections 208(b), 301, 302, 303(d), 304, 306, and 307 of the Federal Water Pollution Control Act and amendments thereto, are applicable to the discharge.
6. The discharge has been subject to waste discharge requirements adopted in Order No. 74-49 (NPDES Permit No. CA0104345) and Order No. 76-19 (NPDES No. CA0104345).
7. The Board has notified the discharger and interested agencies and persons of its intent to revise 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 Water Pollution Control 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 Water Pollution Control 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:

Constituent	Unit	30-Day Arithmetic Mean Discharge Rate	7-Day Arithmetic Mean Discharge Rate	Maximum Discharge ^m Rate
Total Dissolved Solids	lbs/day mg/l	834 2,000	959 2,300	1,043 2,500
20°C BOD ₅	lbs/day mg/l	8.3 20	12.5 30	16.7 40
Suspended Solids	lbs/day mg/l	8.3 20	12.5 30	16.7 40
Settleable Matter	ml/l	0.3	0.5	1.0

2. The 7-day or 30-day mean for the constituents listed in Item 1 above shall be the arithmetic mean of all the values of daily discharge rate calculated using the results of analyses of all samples collected during any 7 or 30 consecutive calendar day period. If fewer than 4 samples are collected and analyzed during any 30 consecutive calendar day period, compliance with the 30-day average limitation shall not be determined. If fewer than 3 samples are collected and analyzed during any 7 consecutive calendar day period, compliance with the 7-day average limitations shall not be determined.
3. The daily weight (lbs/day) listed in Item 1 above is obtained from the following calculation for any calendar day:

$$\text{Daily Weight (lbs/day)} = \frac{8.34}{N} \sum_{i=1}^N Q_i C_i$$

in which N is the number of samples analyzed in any calendar day. Q_i and C_i are the flow rate (MGD) and the constituent concentration (mg/l) respectively, which are associated with each of the N grab samples which may be taken in any calendar day. If a composite sample is taken, C_i is the concentration measured in the composite sample, and Q_i is the average flow rate occurring during the period over which samples are composited.

4. The arithmetic mean of the values for effluent samples collected for 20°C BOD₅ and for suspended matter in any 30-day period shall not be greater than 15 percent of the arithmetic mean of the values for influent samples collected during the same 30-day period (85% removal).
5. The average daily flow per operating day shall not exceed 50,000 gallons.
6. The effluent values for pH shall remain within the limits of 6.0 to 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 foam at point of discharge or downstream thereof.
 - c. Cause presence of oil, grease, scum, sludge, or solids.
 - d. Cause presence of heavy metals or associated chemicals or pesticides toxic to fish and other aquatic life.

C. Provisions

1. Neither the treatment nor the discharge of wastes shall cause a pollution or a nuisance.
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 Orders No. 74-49, and 76-19 (NPDES No. CA0104345).
4. This Order includes Items No. 1, 2, 4, and 5 of the attached "Reporting Requirements".
5. This Order includes Items No. 1 through 9, and 11 of the attached "Standard Provisions".
6. This Order includes the attached "General Monitoring and Reporting Provisions".
7. This Order includes the attached "Monitoring and Reporting Program No. 76-19" (Revised) and future revisions thereto, as specified by the Executive Officer.
8. This Order expires five (5) years from March 25, 1976, 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.
9. 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 of the existence of this Order by letter, and file a copy of said letter with this Board.
10. Facilities shall be available to keep the plant in operation in the event of commercial power failure.

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, 1976, and revised on May 18, 1977 to eliminate fecal coliform limitations and a provision concerning chlorine residual limitations.



Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 76-19 (Revised)
FOR
SUNSET MUTUAL WATER COMPANY
El Centro - Imperial County

Location of Discharge: Lotus Drain in the NW $\frac{1}{4}$, 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 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	Weekly
pH	pH Units	Grab	Weekly
Dissolved Oxygen	mg/l	Grab	Weekly
Flow	Gallons	Average Daily	Reported Monthly

INFLUENT MONITORING

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

PLANT OPERATION MONITORING

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
Settleable Matter - Aeration Tank	ml/l	Grab	Weekly
Mixed Liquor Suspended solids in aeration tank	mg/l	Grab	Monthly

REPORTING

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

Forward monitoring reports to:

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

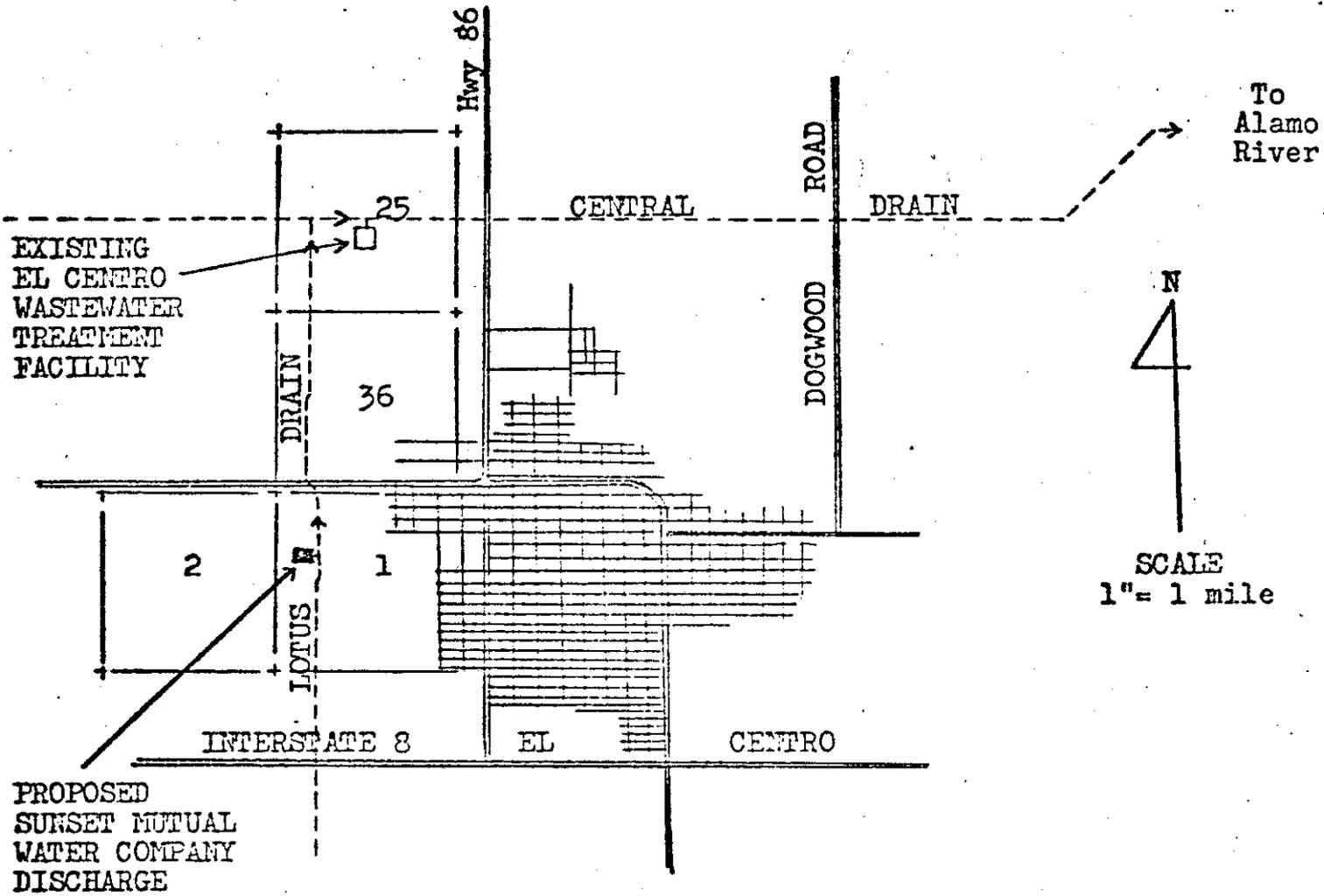
Regional Administrator
Environmental Protection Agency
Region IX, E-5-1
100 California Street
San Francisco, CA 94111

ORDERED BY

Arthur Sevajian

Executive Officer

May 18, 1977



SITE MAP

Location of Waste Discharge
of
Sunset Mutual Water Company
West of El Centro-Imperial County

NW Section 1, T16S, R13E, SBB&M.
Brawley 15' Topographic Map

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

GENERAL MONITORING AND REPORTING PROVISIONS

DATE: May 18, 1977

GENERAL PROVISIONS FOR SAMPLING AND ANALYSIS

Water quality analysis shall be performed in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants", promulgated by the United States Environmental Protection Agency, or as approved by the Executive Officer.

Chemical, bacteriological, and bioassay analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health. In the event a certified laboratory is not available to the discharger, the executive officer may accept analyses performed by a noncertified laboratory until June 22, 1977, provided that the laboratory has applied for certification.

Effluent samples shall be taken downstream of any addition to the treatment works and prior to mixing with the receiving waters.

The discharger shall calibrate and perform maintenance procedures on all monitoring instruments and equipment to insure accuracy of measurements, or shall insure that both activities will be conducted.

A grab sample is defined as an individual sample collected in fewer than 15 minutes.

A composite sample is defined as a combination of no fewer than eight individual samples obtained over the specified sampling period. The volume of each individual sample is proportional to the discharge flow rate at the time of sampling. The sampling period shall equal the discharge period, or 24 hours, whichever period is shorter.

GENERAL PROVISIONS FOR REPORTING

For every item where the requirements are not met, the discharger shall submit a statement of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at the earliest time and submit a timetable for correction.

By January 30 of each year, the discharger shall submit an annual report to the Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous year. In addition, the discharger shall discuss the compliance record

and the corrective actions taken or planned which may be needed to bring the discharge into full compliance with the waste discharge requirements.

The discharger shall maintain all sampling and analytical results, including strip charts; date, exact place, and time of sampling; date analyses were performed, analyst's name; analytical techniques used; and results of all analyses. Such records shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge or when requested by the Board. Monitoring results shall be submitted on forms provided by the Board.

Monitoring reports shall be signed by:

- a. In the case of corporations, by a principal executive officer at least of the level of vice-president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge originates;
- b. In the case of a partnership, by a general partner;
- c. In the case of a sole proprietorship, by the proprietor;
- d. In the case of a municipal, state or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

DATE: May 18, 1977

REPORTING REQUIREMENTS

1. The discharger shall file with the Board technical reports on self-monitoring work performed according to the detailed specifications contained in any Monitoring and Reporting Program as directed by the Executive Officer.
- *2. The discharger shall file a written report with the Board within 90 days after the average dry-weather waste flow for any month equals or exceeds 75 percent of the design capacity of his waste treatment and/or disposal facilities. The discharger's senior administrative officer shall sign a letter which transmits that report and certifies that the policy-making body is adequately informed about it. The report shall include:

Average daily flow for the month, the date on which the instantaneous peak flow occurred, the rate of that peak flow, and the total flow for that day.

The discharger's best estimate of when the average daily dry-weather flow rate will equal or exceed the design capacity of his facilities.

The discharger's intended schedule for studies, design, and other steps needed to provide additional capacity for his waste treatment and/or disposal facilities before the waste flow rate equals the capacity of present units. (Reference: Sections 13260, 13267(b), and 13268, California Water Code.)
- **3. The discharger shall notify the Board not later than 180 days in advance of implementation of any plans to alter production capacity of the product line of the manufacturing, producing or processing facility by more than ten percent. Such notification shall include estimates of proposed production rate, the type of process, and projected effects on effluent quality. Notification shall include submittal of a new report of waste discharge and appropriate filing fee.
- *4. The discharger shall notify the Board of (a) new introduction into such works of pollutants from a source which would be a

*Publicly owned facilities only

**For nonpublic facilities only

new source as defined in Section 306 of the Federal Water Pollution Control Act, or amendments thereto, if such source were discharging pollutants to the waters of the United States, (b) new introductions of pollutants into such works from a source which would be subject to Section 301 of the Federal Water Pollution Control Act, or amendments thereto, if it were discharging such pollutants to the waters of the United States, (c) a substantial change in the volume or character of pollutants being introduced into such works by a source introducing pollutants into such works at the time the waste discharge requirements were adopted. Notice shall include a description of the quantity and quality of pollutants and the impact of such change on the quantity and quality of effluent from such publicly owned treatment works. A substantial change in volume is considered an increase of ten percent in the mean dry-weather flow rate. The discharger shall forward a copy of such notice directly to the Regional Administrator.

5. The discharger shall file with the Board a report on waste discharge at least 120 days before making any material change or proposed change in the character, location or volume of the discharge.

**6. This Board requires the discharger to file with the Board within 90 days after the effective date of this Order, a technical report on his preventive (fail-safe) and contingency (cleanup) plans for controlling accidental discharges, and for minimizing the effect of such events. The technical report should:

Identify the possible sources of accidental loss, untreated waste bypass, and contaminated drainage. Loading and storage areas, power outage, waste treatment unit outage, and failure of process equipment, tanks and pipes should be considered.

Evaluate the effectiveness of present facilities and procedures and state when they become operational.

Describe facilities and procedures needed for effective preventive and contingency plans.

Predict the effectiveness of the proposed facilities and procedures and provide an implementation schedule containing interim and final dates when they will be constructed, implemented, or operational. (Reference: Sections 13267(b) and 13268, California Water Code.)

**For nonpublic facilities only.

This Board, after review of the technical report, may establish conditions which it deems necessary to control accidental discharges and to minimize the effects of such events. Such conditions may be incorporated as part of this Order, upon notice to the discharger.

- **7. The discharger shall submit to the Board, by January 30 of each year, an annual summary of the quantities of all chemicals, listed by both trade and chemical names, which are used for cooling and/or boiling water treatment and which are discharged.

**For nonpublic facilities only.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

DATE: May 18, 1977

STANDARD PROVISIONS

1. The requirements prescribed herein do not authorize the commission of any act causing injury to the property of another, nor protect the discharger from his liabilities under federal, state, or local laws, nor guarantee the discharger a capacity right in the receiving waters.
2. The discharge of any radiological, chemical, or biological warfare agent or high level radiological waste is prohibited.
- *3. The discharger shall require any industrial user of the treatment works to comply with applicable service charges and toxic and pretreatment standards promulgated in accordance with Sections 204(b) 307, and 308 of the Federal Water Pollution Control Act or amendments thereto. The discharger shall require each individual user to submit periodic notice (over intervals not to exceed nine months) of progress toward compliance with applicable toxic and pretreatment standards developed pursuant to the Federal Water Pollution Control Act or amendments thereto. The discharger shall forward a copy of such notice to the Board and the Regional Administrator.
4. The discharger shall permit the Regional Board:
 - a. Entry upon premises in which an effluent source is located or in which any required records are kept;
 - b. Access to copy any records required to be kept under terms and conditions of this Order;
 - c. Inspection of monitoring equipment or records, and
 - d. Sampling of any discharge.
5. All discharges authorized by this Order shall be consistent with the terms and conditions of this Order. The discharge of any pollutant more frequently than or at a level in excess of that identified and authorized by this Order shall constitute a violation of the terms and conditions of this Order.

*Publicly owned facilities only.

6. The discharger shall maintain in good working order and operate as efficiently as possible any facility or control system installed by the discharger to achieve compliance with the waste discharge requirements.
7. Collected screenings, sludges, and other solids removed from liquid wastes shall be disposed of at a legal point of disposal, and in accordance with the provisions of Division 7.5 of the California Water Code. For the purpose of this requirement, a legal point of disposal is defined as one for which waste discharge requirements have been prescribed by a regional water quality control board and which is in full compliance therewith.
8. After notice and opportunity for a hearing, this Order may be terminated or modified for cause, including, but not limited to:
 - a. Violation of any term or condition contained in this Order;
 - b. Obtaining this Order by misrepresentation, or failure to disclose fully all relevant facts;
 - c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
9. If a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the Federal Water Pollution Control Act, or amendments thereto, for a toxic pollutant which is present in the discharge authorized herein and such standard or prohibition is more stringent than any limitation upon such pollutant in this Order, the Board will revise or modify this Order in accordance with such toxic effluent standard or prohibition and so notify the discharger.
10. There shall be no discharge of harmful quantities of oil or hazardous substances, as specified by regulation adopted pursuant to Section 311 of the Federal Water Pollution Control Act, or amendments thereto.
11. In the event the discharger is unable to comply with any of the conditions of this Order, due to:
 - a. breakdown of waste treatment equipment;
 - b. accidents caused by human error or negligence; or
 - c. other causes such as acts of nature,

the discharger shall notify the Executive Officer by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written notification shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to correct the problem and the dates thereof, and what steps are being taken to prevent the problem from recurring.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. 76-19
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, California 92243, submitted a NPDES Application for Permit to Discharge dated December 23, 1975. Said application is assigned Application No. CA0104345.
2. The discharger proposes to expand existing facilities, having a design capacity of 25,000 gallons-per-operating-day of sewage, to a design capacity of 50,000 gallons-per-operating-day of sewage. Sewage will be discharged into Lotus Drain in the NW $\frac{1}{4}$, Section 1, T16S, R13E, SBB&M. The wastewater flow is from Lotus Drain, to Central Drain, to Alamo River, a distance of approximately 11 miles, and enters Alamo River at River Mile 38.75
3. The Water Quality Control Plan for the West Colorado River Basin was adopted on April 10, 1975. This Order implements the objectives stated in the Plan.
4. The beneficial uses of the Alamo River and the Imperial Valley Drains are:
 - a. Limited public fishing activity
 - b. Fish and wildlife habitation
 - c. Freshwater replenishment for Salton Sea
 - d. Transport of dissolved solids to Salton Sea for agricultural soil salinity control.

*Replaced
by 76-19
Revised*

5. Effluent limitations, national standards of performance, and toxic and pretreatment effluent standards established pursuant to Sections 208(b), 301, 302, 303(d), 304, 306, and 307 of the Federal Water Pollution Control Act and amendments thereto, are applicable to the discharge.
6. The discharge has been subject to waste discharge requirements adopted in Order No. 74-49 (NPDES Permit No. CA0104345).
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 Water Pollution Control 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 Co., 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 Water Pollution Control 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:

Constituent	Unit	30-Day Arithmetic Mean Discharge Rate	7-Day Arithmetic Mean Discharge Rate	Maximum Discharge Rate
Total Dissolved Solids	lbs/day mg/l	834 2,000	959 2,300	1,043 2,500
20°C BOD ₅	lbs/day mg/l	8.3 20	12.5 30	16.7 40
Suspended Solids	lbs/day mg/l	8.3 20	12.5 30	16.7 40
Settleable Matter	ml/l	0.3	0.5	1.0
Fecal Coliform*	No./100 ml	200	400	2,000

*For Fecal Coliform, use geometric mean.

2. The 7-day or 30-day mean for the constituents listed in Item 1 above shall be the arithmetic mean of all the values of daily discharge rate calculated using the results of analyses of all samples collected during any 7 or 30 consecutive calendar day period. If fewer than 4 samples are collected and analyzed during any 30 consecutive calendar day period, compliance with the 30-day average limitation shall not be determined. If fewer than 3 samples are collected and analyzed during any 7 consecutive calendar day period, compliance with the 7-day average limitations shall not be determined.
3. The daily weight (lbs/day) listed in Item 1 above is obtained from the following calculation for any calendar day:

$$\text{Daily Weight (lbs/day)} = \frac{8.34}{N} \sum_{i=1}^N Q_i C_i$$

in which N is the number of samples analyzed in any calendar day. Q_i and C_i are the flow rate (MGD) and the constituent concentration i (mg/l) respectively, which are associated with each of the N grab samples which may be taken in any calendar day. If a composite sample is taken, C_i is the concentration measured in the composite sample, and Q_i is the average flow rate occurring during the period over which samples are composited.

4. The arithmetic mean of the values for effluent samples collected for 20°C BOD₅ and for suspended matter in any 30-day period shall not be greater than 15 percent of the arithmetic mean of the values for influent samples collected during the same 30-day period (85% removal).
5. The average daily flow per operating day shall not exceed 50,000 gallons.
6. The effluent values for pH shall remain within the limits of 6.0 to 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 foam at point of discharge or downstream thereof.
 - c. Cause presence of oil, grease, scum, sludge, or solids.
 - d. Cause presence of heavy metals or associated chemicals or pesticides toxic to fish and other aquatic life.

C. Provisions

1. Neither the treatment nor the discharge of wastes shall cause a pollution or a nuisance.
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. The Discharger shall comply with the following time schedule to assure compliance with the fecal coliform limitation set forth in Effluent Limitation A.1. of this Order.

<u>Task</u>	<u>Completion Date</u>	<u>Report of Compliance Due</u>
Complete Design	7/01/76	7/15/76
Complete Construction	3/01/77	3/15/77
Full Compliance	7/01/77	7/15/77

The Discharger shall submit to the Board on or before each compliance report date, a report detailing his compliance or noncompliance with the specific schedule date and task.

If noncompliance is being reported, the reasons for such non-compliance shall be stated, plus an estimate of the date when the discharger will be in compliance. The discharger shall notify the Board by letter when he has returned to compliance with the time schedule.

4. This Order supersedes this Board's Order No. 74-49.
5. This Order includes Items No. 1, 2, 4, and 5 of the attached "Reporting Requirements".
6. This Order includes Items No. 1 through 9, and 11 of the attached "Standard Provisions".
7. This Order includes the attached "General Monitoring and Reporting Provisions".
8. This Order includes the attached "Monitoring and Reporting Program No. 76-19" and future revisions thereto, as specified by the Executive Officer.

9. This Order expires five (5) years from date of adoption thereof, 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.
10. 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 of the existence of this Order by letter, and file a copy of said letter with this Board.
11. Facilities shall be available to keep the plant in operation in the event of commercial power failure.
12. The fecal coliform limitation contained in Effluent Limitation No. A.1., and the schedule for its compliance contained in Provision C.3., shall remain effective in accordance with applicable regulations of the Environmental Protection Agency.
13. The Department of Fish and Game has requested that chlorine residual limitations be established in the receiving waters. The Regional Board is of the opinion that insufficient information is available at this time to support this request and reserves the right to establish chlorine residual limitations, if necessary, at a future date.

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, 1976.



Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 76-19
FOR
SUNSET MUTUAL WATER COMPANY
El Centro - Imperial County

Location of Discharge: Lotus Drain in the NW $\frac{1}{4}$, 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 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	Weekly
Fecal Coliform	MPN/100 ml	Grab at Peak Flow	Monthly
pH	pH units	Grab	Weekly
Dissolved Oxygen	mg/l	Grab	Weekly
Chlorine Residual	mg/l	Grab	Weekly
Flow	Gallons	Average Daily	Reported Monthly

INFLUENT MONITORING

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

PLANT OPERATION MONITORING

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
Settleable Matter - Aeration Tank	ml/l	Grab	Weekly
Mixed Liquor Suspended solids in aeration tank	mg/l	Grab	Monthly

REPORTING

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

Forward monitoring reports to:

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

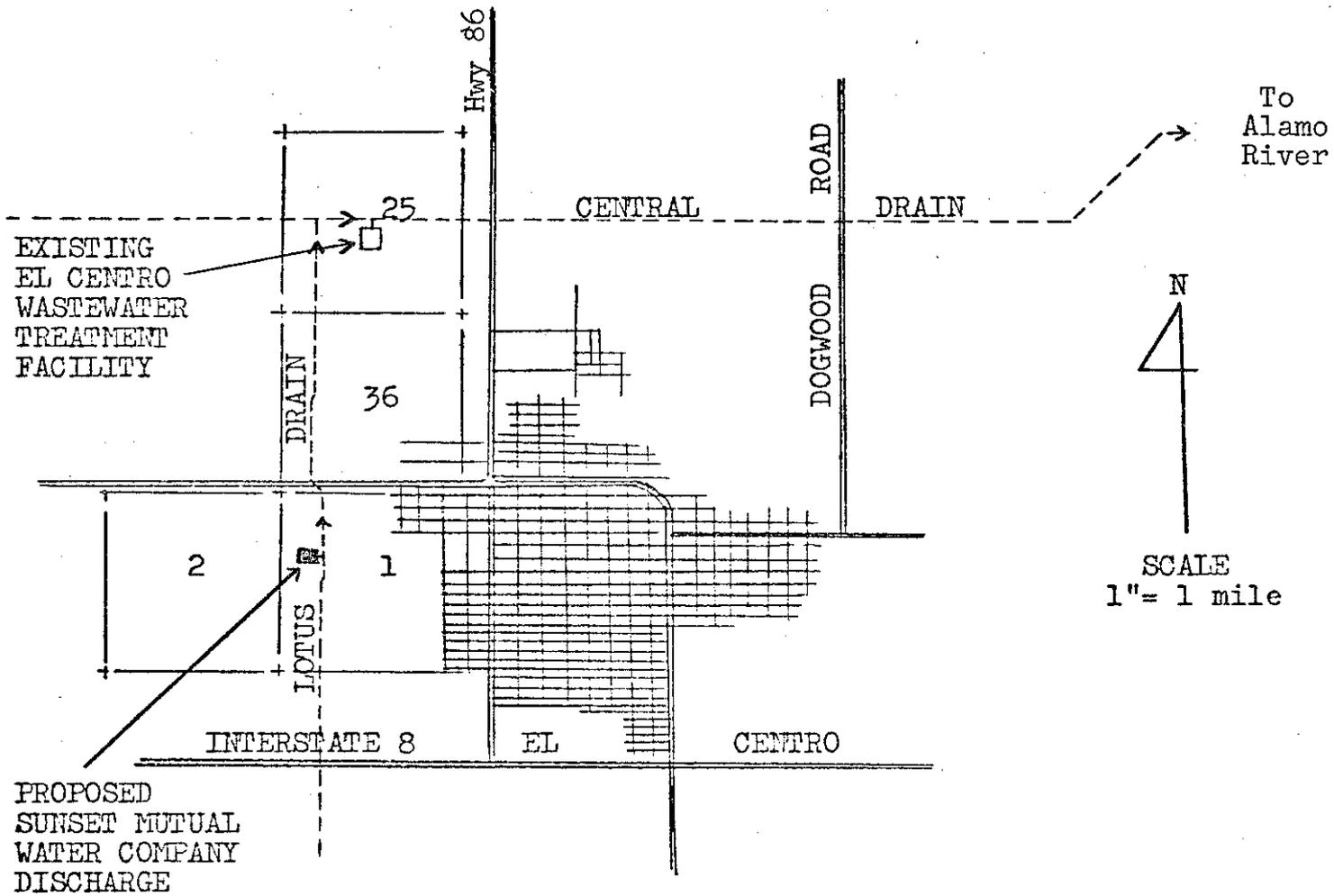
Ordered by: _____

Arthur Sevian
Executive Officer

March 26, 1976

Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD - 7



SITE MAP

Location of Waste Discharge
of
Sunset Mutual Water Company
West of El Centro-Imperial County

NW $\frac{1}{4}$ Section 1, T16S, R13E, SBB&M.
Brawley 15' Topographic Map

Order No. 76-19

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

GENERAL MONITORING AND REPORTING PROVISIONS

DATE: _____

GENERAL PROVISIONS FOR SAMPLING AND ANALYSIS

Unless otherwise noted, all sampling, sample preservation, and analyses shall be conducted in accordance with the current edition of "Standard Methods for the Examination of Water and Wastewater" or as approved by the Executive Officer.

All analyses shall be performed in a laboratory certified to perform such analyses by the State Department of Health, Water Sanitation Section, or a laboratory approved by the Executive Officer.

Effluent samples shall be taken downstream of any addition to the treatment works and prior to mixing with the receiving waters.

The discharger shall calibrate and perform maintenance procedures on all monitoring instruments and equipment to insure accuracy of measurements, or shall insure that both activities will be conducted.

A grab sample is defined as an individual sample collected in fewer than 15 minutes.

A composite sample is defined as a combination of no fewer than eight individual samples obtained over the specified sampling period. The volume of each individual sample is proportional to the discharge flow rate at the time of sampling. The sampling period shall equal the discharge period, or 24 hours, whichever period is shorter.

GENERAL PROVISIONS FOR REPORTING

For every item where the requirements are not met, the discharger shall submit a statement of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at the earliest time and submit a timetable for correction.

By January 30 of each year, the discharger shall submit an annual report to the Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous year. In addition, the discharger shall discuss the compliance record

and the corrective actions taken or planned which may be needed to bring the discharge into full compliance with the waste discharge requirements.

The discharger shall maintain all sampling and analytical results, including strip charts; date, exact place, and time of sampling; date analyses were performed, analyst's name; analytical techniques used; and results of all analyses. Such records shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge or when requested by the Board. Monitoring results shall be submitted on forms provided by the Board.

Monitoring reports shall be signed by:

- a. In the case of corporations, by a principal executive officer at least of the level of vice-president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge originates;
- b. In the case of a partnership, by a general partner;
- c. In the case of a sole proprietorship, by the proprietor;
- d. In the case of a municipal, state or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.

The discharger shall mail a copy of each monitoring report on the appropriate form to be supplied by the Board to:

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

DATE: _____

REPORTING REQUIREMENTS

1. The discharger shall file with the Board technical reports on self-monitoring work performed according to the detailed specifications contained in any Monitoring and Reporting Program as directed by the Executive Officer.
- *2. The discharger shall file a written report with the Board within 90 days after the average dry-weather waste flow for any month equals or exceeds 75 percent of the design capacity of his waste treatment and/or disposal facilities. The discharger's senior administrative officer shall sign a letter which transmits that report and certifies that the policy-making body is adequately informed about it. The report shall include:

Average daily flow for the month, the date on which the instantaneous peak flow occurred, the rate of that peak flow, and the total flow for that day.

The discharger's best estimate of when the average daily dry-weather flow rate will equal or exceed the design capacity of his facilities.

The discharger's intended schedule for studies, design, and other steps needed to provide additional capacity for his waste treatment and/or disposal facilities before the waste flow rate equals the capacity of present units. (Reference: Sections 13260, 13267(b), and 13268, California Water Code.)
- **3. The discharger shall notify the Board not later than 180 days in advance of implementation of any plans to alter production capacity of the product line of the manufacturing, producing or processing facility by more than ten percent. Such notification shall include estimates of proposed production rate, the type of process, and projected effects on effluent quality. Notification shall include submittal of a new report of waste discharge and appropriate filing fee.
- *4. The discharger shall notify the Board of (a) new introduction into such works of pollutants from a source which would be a

*Publicly owned facilities only

**For nonpublic facilities only

new source as defined in Section 306 of the Federal Water Pollution Control Act, or amendments thereto, if such source were discharging pollutants to the waters of the United States, (b) new introductions of pollutants into such works from a source which would be subject to Section 301 of the Federal Water Pollution Control Act, or amendments thereto, if it were discharging such pollutants to the waters of the United States, (c) a substantial change in the volume or character of pollutants being introduced into such works by a source introducing pollutants into such works at the time the waste discharge requirements were adopted. Notice shall include a description of the quantity and quality of pollutants and the impact of such change on the quantity and quality of effluent from such publicly owned treatment works. A substantial change in volume is considered an increase of ten percent in the mean dry-weather flow rate. The discharger shall forward a copy of such notice directly to the Regional Administrator.

5. The discharger shall file with the Board a report on waste discharge at least 120 days before making any material change or proposed change in the character, location or volume of the discharge.

**6. This Board requires the discharger to file with the Board within 90 days after the effective date of this Order, a technical report on his preventive (fail-safe) and contingency (cleanup) plans for controlling accidental discharges, and for minimizing the effect of such events. The technical report should:

Identify the possible sources of accidental loss, untreated waste bypass, and contaminated drainage. Loading and storage areas, power outage, waste treatment unit outage, and failure of process equipment, tanks and pipes should be considered.

Evaluate the effectiveness of present facilities and procedures and state when they become operational.

Describe facilities and procedures needed for effective preventive and contingency plans.

Predict the effectiveness of the proposed facilities and procedures and provide an implementation schedule containing interim and final dates when they will be constructed, implemented, or operational. (Reference: Sections 13267(b) and 13268, California Water Code.)

**For nonpublic facilities only.

This Board, after review of the technical report, may establish conditions which it deems necessary to control accidental discharges and to minimize the effects of such events. Such conditions may be incorporated as part of this Order, upon notice to the discharger.

- **7. The discharger shall submit to the Board, by January 30 of each year, an annual summary of the quantities of all chemicals, listed by both trade and chemical names, which are used for cooling and/or boiling water treatment and which are discharged.

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6. The discharger shall maintain in good working order and operate as efficiently as possible any facility or control system installed by the discharger to achieve compliance with the waste discharge requirements.
7. Collected screenings, sludges, and other solids removed from liquid wastes shall be disposed of at a legal point of disposal, and in accordance with the provisions of Division 7.5 of the California Water Code. For the purpose of this requirement, a legal point of disposal is defined as one for which waste discharge requirements have been prescribed by a regional water quality control board and which is in full compliance therewith.
8. After notice and opportunity for a hearing, this Order may be terminated or modified for cause, including, but not limited to:
 - a. Violation of any term or condition contained in this Order;
 - b. Obtaining this Order by misrepresentation, or failure to disclose fully all relevant facts;
 - c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
9. If a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the Federal Water Pollution Control Act, or amendments thereto, for a toxic pollutant which is present in the discharge authorized herein and such standard or prohibition is more stringent than any limitation upon such pollutant in this Order, the Board will revise or modify this Order in accordance with such toxic effluent standard or prohibition and so notify the discharger.
10. There shall be no discharge of harmful quantities of oil or hazardous substances, as specified by regulation adopted pursuant to Section 311 of the Federal Water Pollution Control Act, or amendments thereto.
11. In the event the discharger is unable to comply with any of the conditions of this Order, due to:
 - a. breakdown of waste treatment equipment;
 - b. accidents caused by human error or negligence; or
 - c. other causes such as acts of nature,

the discharger shall notify the Executive Officer by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written notification shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to correct the problem and the dates thereof, and what steps are being taken to prevent the problem from recurring.