

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. 76-1
NPDES NO. CA0104795

WASTE DISCHARGE REQUIREMENTS
FOR
UNIVERSITY OF CALIFORNIA - IMPERIAL VALLEY FIELD STATION
East of El Centro - Imperial County

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

1. The University of California, Imperial Valley Field Station (hereinafter also referred to as the discharger), 1004 East Holton Road, El Centro, CA 92243, submitted an NPDES Application for Permit to Discharge dated July 10, 1975. Said Application is assigned Application No. CA0104795.
2. The discharger currently discharges a maximum of 6,000 gallons-per-day of domestic sewage via a septic tank into South Central Drain No. 1 in the NW $\frac{1}{4}$, Section 32, T15S, R15E, SBB&M. Wastewater effluent is chlorinated prior to discharge into South Central Drain No. 1 and is conveyed northward a distance of approximately two miles to Alamo River.
3. The Water Quality Control Plan for the West Colorado River Basin 7A was adopted by the Board on April 10, 1975, and this Order implements the objectives stated in the Plan.
4. The beneficial uses of the water in the Alamo River and Imperial Valley drains discharging thereto are:
 - a. Limited public fishing activity
 - b. Transport of dissolved solids to the Salton Sea for soil salinity control in Imperial Valley.
 - c. Freshwater habitat for fish and wildlife
 - d. Freshwater replenishment for the Salton Sea
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.

superseded by
77-321

6. 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.
7. The Board in a public meeting heard and considered all comments pertaining to the discharge.
8. 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 Regional Board adoption provided the Regional Administrator has no objections.

IT IS HEREBY ORDERED, University of California, Imperial Valley Field Station, 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 adopted thereunder shall comply with the following:

A. Effluent Limitations -

1. Representative samples of wastewater discharged to South Central Drain No. 1 shall not contain constituents in excess of the following limits:

<u>Constituent</u>	<u>Unit</u>	<u>30-Day Arith- metic Mean Dis- charge Rate</u>	<u>7-Day Arith- metic Mean Dis- charge Rate</u>	<u>Maxi- mum Dis- charge Rate</u>
Total Dissolved Solids	lbs/day mg/l	100 1,600	113 1,800	125 2,000
20°C BOD ₅	lbs/day mg/l	1.3 20	1.9 30	2.5 40
Suspended Solids	lbs/day mg/l	1.3 20	1.9 30	2.5 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 four 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 three 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 solids 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 7,500 gallons.
6. The effluent values for pH shall remain within the limits of 6.0 to 9.0.

B. Receiving Water Limitations - Effective Immediately

1. Wastewater discharged to South Central Drain No. 1 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. The discharger shall comply with the following time schedule to assure compliance with the effluent limitations set forth in Section A.1 of this Order.

<u>Task</u>	<u>Completion Date</u>	<u>Report of Compliance Due</u>
Develop Work Plan	6/01/76	6/15/76
Develop Facilities Plan	1/01/77	1/15/77
Submit Construction Plans and Specifications	5/15/77	5/30/77

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 the noncompliance is being reported, the reasons for such noncompliance 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.

- 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. Facilities shall be available to keep the plant in operation in the event of commercial power failure.

5. The discharger shall comply with the attached "Monitoring and Reporting Program No. 76-1" and future revisions thereto, as specified by the Executive Officer.
6. This Order includes the attached "General Monitoring and Reporting Provisions".
7. This Order includes Items No. 1, 2, 4, and 5 of the attached "Reporting Requirements".
8. This Order includes Items No. 1, 2, 4, 5, 6, 7, 8, 9, and 11 of the attached "Standard Provisions".
9. The fecal coliform limitation contained in Effluent Limitation No. A.1, and the schedule for its compliance contained in Provision C.2, shall remain effective in accordance with applicable regulations of the Environmental Protection Agency.
10. The Department of Fish and Game has requested that chlorine residual limitations be established in the receiving waters. Since adequate information is not provided at this time to support this request, the Regional Board reserves the right to establish chlorine residual limitations, if necessary, at a future date.
11. This Order expires June 1, 1977, 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.
12. 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.

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 January 29, 1976.



Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 76-1
FOR
UNIVERSITY OF CALIFORNIA - IMPERIAL VALLEY FIELD STATION
East of El Centro - Imperial County

Location of Discharge: South Central Drain No. 1 in the NW $\frac{1}{4}$,
Section 32, T15S, R15E, SBB&M

EFFLUENT MONITORING

Wastewater discharged to South Central Drain No. 1 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>
Settleable Matter	ml/l	Grab at Peak Flow	Weekly
pH	pH Units	Grab	Weekly
Dissolved Oxygen	mg/l	Grab	Weekly
Chlorine Residual	mg/l	Grab	Weekly
Flow	Gallons	Average Daily	Reported Monthly
Total Dissolved Solids	mg/l	8-Hour Composite	Quarterly
20°C BOD ₅	mg/l	8-Hour Composite	Quarterly
Suspended Solids	mg/l	8-Hour Composite	Quarterly
Fecal Coliform	MPN/100 ml	Grab at Peak Flow	Quarterly

INFLUENT MONITORING

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

REPORTING

Monthly and weekly monitoring data shall be submitted monthly 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:

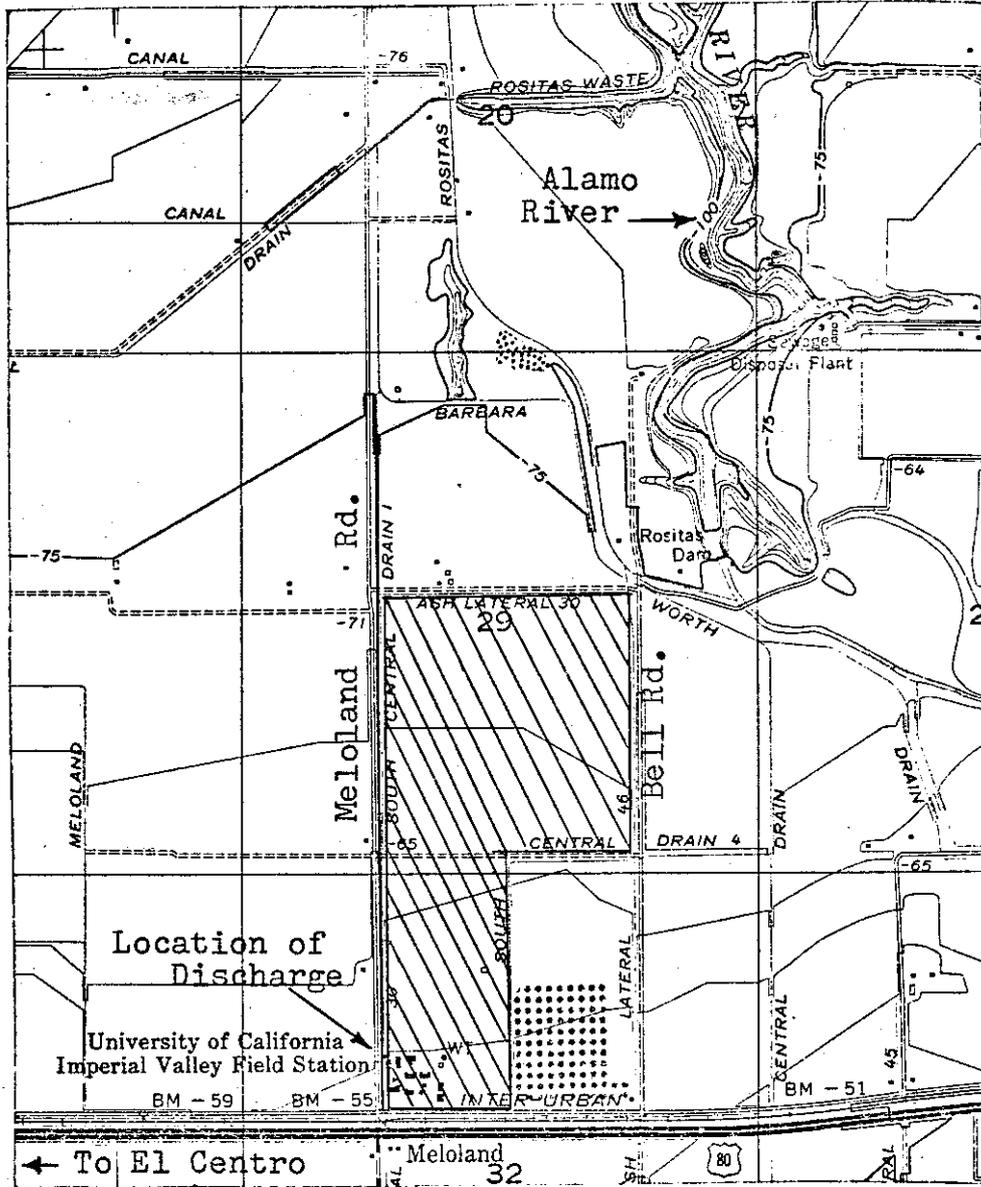
California Regional Water Quality Control Board
Colorado River Basin Region
P.O. Drawer I
Indio, CA 92201

ORDERED BY: _____

Arthur Sevajian

January 29, 1976

Date



SITE MAP

UNIVERSITY OF CALIFORNIA - IMPERIAL VALLEY FIELD STATION
East of El Centro - Imperial County

NW $\frac{1}{4}$, Section 32, T15S, R15E, SBB&M

Holtville West 7.5" Topographic Map

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