

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. 77-5
NPDES NO. CA0104434

WASTE DISCHARGE REQUIREMENTS
FOR
IMPERIAL IRRIGATION DISTRICT
IRRIGATION ACTIVITIES WITH POINT RETURN FLOWS
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 August 26, 1976. Said application is assigned Application No. CA0104434.
2. The discharger reports that:
 - a. Irrigation return flows are discharged through 78 major drains to Alamo River.
 - b. Irrigation return flows are discharged through 56 major drains to New River.
 - c. Irrigation return flows are discharged through 29 major drains direct to Salton Sea.
 - d. The estimated number of irrigated acres are:
 1. Surface method of irrigation - 500,000 acres
 2. Sprinkler method of irrigation - 90,000 acres
 3. Other methods of irrigation - 410,000 acres
 - e. The estimated volume of irrigation return flow to the surface waters set forth in Findings 2a, 2b, and 2c (above) is 1,200,000 acre-feet/year.
3. The Water Quality Control Plan for the West Colorado River Basin (7A) was adopted by the Regional Board on April 15, 1975. This Order implements the objectives stated in said Plan.

Expired 2-28-79

4. The beneficial uses of water in New River, Alamo River, and Imperial Valley Irrigation Drains discharging thereto and to Salton Sea are:
 - a. Transport of dissolved solids to Salton Sea for soil salinity control.
 - b. Freshwater habitat for fish and wildlife habitation.
 - c. Freshwater replenishment for Salton Sea.
5. The beneficial uses of Salton Sea are:
 - a. Water contact recreation.
 - b. Non-water contact recreation.
 - c. Water and vegetative habitat for the maintenance of wildlife.
6. This discharge has been subject to requirements adopted in Order No. 75-10, (NPDES No. CA0104434).
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 adoption of this Order 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 Water Pollution Control Act and regulations and guidelines adopted thereunder, shall comply with the following:

A. Provisions

1. The locations of sampling stations for monitoring are as follows:

A. Alamo River and Drains Discharging Thereto

1. Alamo River at International Boundary
2. Alamo River at Drop 9
3. Holtville Main Drain near confluence with Alamo River
4. Rose Drain near confluence with Alamo River
5. Alamo River at DWR Station 60.

B. New River and Drains Discharging Thereto

1. New River at International Boundary
2. New River at Worthington Road
3. New River at DWR Station 58

C. Pumice Drain just upstream of Salton Sea at a location where mixing does not occur with Salton Sea water.

2. This Order includes the attached "Monitoring and Reporting Program No. 77-5" and future revisions thereto as specified by the Executive Officer.
3. This Order includes Items No. 1 and 5 of the attached "Reporting Requirements".
4. This Order includes Items No. 1, 4, 8, and 9 of the attached "Standard Provisions".
5. This Order includes the attached "General Monitoring and Reporting Provisions".
6. This Order expires February 28, 1979. The discharger shall file a report of waste discharge in accordance with Title 23, Chapter 3, Subchapter 9 of the California Administrative Code, not later than 180 days in advance of such expiration date as application for issuance of new waste discharge requirements.
7. This Order supersedes Order No. 75-10 (NPDES No. CA0104434).

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 24, 1977.

Arthur Swajian
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 77-5
FOR
IMPERIAL IRRIGATION DISTRICT
IRRIGATION ACTIVITIES WITH POINT RETURN FLOWS
Imperial County

IRRIGATION RETURN FLOW MONITORING

Irrigation return waters shall be monitored at the locations described in Provision A.1 for the following constituents:

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Electrical Conductivity	Micromhos/cm	Grab	Monthly
Total Dissolved Solids	mg/l	Grab	Quarterly

Quantity of flow shall be monitored daily at the following locations:

Alamo River at International Boundary (DWR Station 59)

Alamo River at point just upstream of Salton Sea (DWR Station 60)

New River at International Boundary (DWR Station 57)

New River at point 4.8 miles upstream of Salton Sea (DWR Station 58)

IRRIGATION SUPPLY MONITORING

Irrigation supply water contained in the "All American Canal" at Station #1111 near Pilot Knob shall be monitored for the following constituents:

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Electrical Conductivity	Micromhos/cm	Grab	Monthly
Total Dissolved Solids	mg/l	Grab	Quarterly

REPORTING

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

The discharger shall implement the above monitoring program within 90 days of the effective date of this Order.

Forward monitoring reports to: -

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

A copy of the Discharge Monitoring Report shall also be sent to:

Regional Administrator
Environmental Protection Agency
Region IX - Attn: 65/MR
100 California Street
San Francisco, CA 94111

Ordered by

Arthur Levajian
Executive Officer

January 26, 1977
Date

IMPERIAL IRRIGATION DISTRICT
Irrigation Activities With Point Return Flows
Imperial County

Order No. 77-5

KEY TO SITE MAP

A. Alamo River

1. Alamo River at International Boundary
2. Alamo River at Drop 9
3. Holtville Main Drain
4. Rose Drain
5. Alamo River at McDonald Road

B. New River

1. New River at International Boundary
2. New River at Worthington Road
3. New River at Lack Road
4. Pumice Drain