

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. 89-068
NPDES NO. CA0104400

WASTE DISCHARGE REQUIREMENTS
AND NPDES PERMIT
FOR
CITY OF IMPERIAL
Imperial County

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

1. The City of Imperial (hereinafter referred to as the discharger), 420 South Imperial Avenue, Imperial, CA 92251, submitted a National Pollutant Discharge Elimination System Application for Permit to Discharge on March 31, 1989. Said application is assigned Application No. CA0104400.
2. The discharger presently discharges a monthly average daily flow of 300,000 gallons-per-day of wastewater from an oxidation ditch type treatment plant, which is designed for an average daily flow of 700,000 gallons-per-day, into Dolson Drain in the SE 1/4 of Section 7, T15S, R14E, SBB&M. The wastewater flows from said drain to Lilac Drain to Rose Drain for 11 miles and enters Alamo River 29 miles from the Salton Sea.
3. The Water Quality Control Plan for the Colorado River Basin Region of California was adopted on November 14, 1984.
4. The primary purpose of drains in the Imperial Valley is for conveyance of surface and subsurface drainage in support of agricultural production.
5. The beneficial uses of water in the Imperial Valley drains are:
 - a. Freshwater replenishment for Salton Sea (FRSH)
 - b. Warmwater habitat (WARM)
 - c. Recreation - non-water contact (REC II)
 - d. Wildlife habitat (WILD)
6. The discharge has been subject to waste discharge requirements adopted on May 16, 1984 (NPDES No. CA0104400) which allows discharge to Dolson Drain.
7. In accordance with Section 13389 of the California Water Code, and Section 15263, Chapter 3, Title 14 of the California Code of Regulations, the issuance of these waste discharge requirements is exempt from the California Environmental Quality Act requirements to prepare an Environmental Impact Report or Negative Declaration (Public Resources Code, Section 21100 et seq.).

*3/29/95
Superseded by
Order No. 95-017*

8. The purpose of this Board Order is to renew waste discharge requirements contained in Order No. 84-018.
9. The Board has notified the discharger and interested agencies and persons of its intent to renew waste discharge requirements for the said discharge and has provided them with an opportunity for a public meeting and an opportunity to submit their written views and recommendations, if any.
10. The Board in a public meeting heard and considered all comments pertaining to the existing discharge.
11. 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 adoption provided the Regional Administrator of the U.S. Environmental Protection Agency (EPA) has no objections.

IT IS HEREBY ORDERED, that the discharger, 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 Dolson Drain shall not contain constituents in excess of the following limits:

| <u>Constituent</u> | <u>Unit</u> | 30-Day Arithmetic Mean Discharge <u>Rate¹</u> | 7-Day Arithmetic Mean Discharge <u>Rate²</u> |
|-----------------------|-------------|--|---|
| 20°C BOD ₅ | mg/l | 30 | 45 |
| Suspended Solids | mg/l | 30 | 45 |
| Settleable Matter | ml/l | 0.3 | 0.5 |

2. The 30-day average percent removal of the pollutant parameter BOD₅ and suspended solids shall not be less than 85 percent.

¹ 30-Day Mean: The arithmetic mean of pollutant parameter values of samples collected in a period of 30 consecutive days.

² 7-Day Mean: The arithmetic mean of pollutant parameter values of samples collected in a period of 7 consecutive days.

3. The effluent values for pH shall be maintained within the limits of 6.0 to 9.0.

B. Receiving Water Limitations

1. Wastewater discharged to Dolson Drain shall not:
 - a. Depress the dissolved oxygen content of said Drain below 5.0 mg/l.
 - b. Cause presence of oil, grease, scum, sludge or solids.
 - c. Contain heavy metals or associated chemicals or pesticides in concentrations toxic to fish and other 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

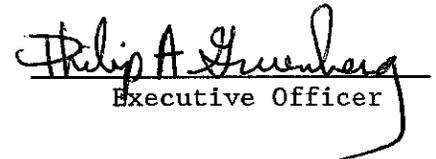
1. Neither the treatment nor the discharge of wastewater shall create pollution or a nuisance as defined in Division 7 of the California Water Code.
2. Adequate measures shall be taken to assure that flood or surface drainage waters do not erode or otherwise render portions of the discharge facilities inoperable.
3. Treated or untreated sludge, or similar solid waste materials shall be disposed only at locations approved by the Executive Officer.
4. Sewage sludge shall not be discharged to any natural or artificial channel.
5. This Order includes the attached "Monitoring and Reporting Program No. 89-068", and future revisions thereto, as specified by the Executive Officer, and "Standard Provisions", dated December 23, 1985.

6. Bioassays shall be performed quarterly to evaluate the toxicity of the discharged wastewater in accordance with the following procedures:
 - a. Bioassays shall be conducted on a sensitive fish species and an invertebrate species as approved by the Regional Board Executive Officer. *Pimephales promelas* (Fathead Minnow) and *Ceriodaphnia* are suggested test species which may be utilized. The bioassays shall be conducted in accordance with the protocol given in EPA/600/4-85/014 - Short Term Methods for Estimating the Chronic Toxicity of Effluent and Receiving Waters to Freshwater Organisms.
 - b. Said bioassays shall be performed quarterly for a period of at least one year (minimum of four tests per organism).
 - c. When the program described above in 6.a. and 6.b. has been completed, this permit will be reopened. At that time, effluent variability will be calculated and a numerical effluent limit established for toxicity. Compliance monitoring shall then be based on annual bioassays of the organism which showed greater sensitivity during the effluent characterization program. Selection of the more sensitive species will be made by the Regional Board.
7. This Order expires five years from November 29, 1989 and the discharger shall file a Report of Waste Discharge in accordance with Title 23, California Code of Regulations, at least 180 days in advance of such date as an application for issuance of new waste discharge requirements.
8. Facilities shall be available to keep the plant in operation in the event of commercial power failure.
9. The discharger's wastewater treatment plant (WWTP) shall be supervised and operated by persons possessing certification of appropriate grade pursuant to Chapter 4, Subchapter 14, Title 23, California Code of Regulations.
10. The discharger shall implement acceptable operational and maintenance practices at the WWTP so that needed repairs and maintenance are performed in a timely manner.
11. The discharger shall exclude from the wastewater treatment plant any liquid or solid waste which could adversely affect the plant operation or effluent quality. The excluded liquid or solid waste shall be disposed of in accordance with applicable regulations.
12. When the discharger determines that the plant has 4 years of remaining capacity, it shall inform the Regional Board of its plans to remedy the capacity situation.

13. The discharger shall obtain a written prior approval of the Regional Board's Executive Officer regarding location and method of disposal of treated sludge(s). In addition, the discharger shall provide the results of any sludge analyses as specified by the Executive Officer.

IT IS FURTHER ORDERED that Board Order No. 84-018 be superceded by this Order.

I, Philip A. Gruenberg, 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 November 29, 1989.


Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 89-068
FOR
CITY OF IMPERIAL
Imperial County

Location of Discharge: Dolson Drain in the SE 1/4 of Section 7, T15S, R14E,
SBB&M

EFFLUENT MONITORING

Wastewater discharged into Dolson Drain shall be monitored for the following constituents. A sampling station shall be established at the point of discharge and shall be located where representative samples of effluent can be obtained.

| <u>Constituent</u> | <u>Unit</u> | <u>Type of Sample</u> | <u>Sampling Frequency</u> |
|-----------------------|-------------|-----------------------|---|
| 20°C BOD ₅ | mg/l | 24-Hr. Composite | Monthly |
| Suspended Solids | mg/l | 24-Hr. Composite | Monthly |
| Settleable Matter | ml/l | Grab at Peak Flow | Weekly |
| pH | pH Units | Grab | Weekly |
| Flow | Gallons | Daily ¹ | Reported Monthly |
| Bioassay | | | Quarterly for 1st year - Yearly Thereafter |

INFLUENT MONITORING

The wastewater influent to the treatment facilities shall be monitored for 20°C BOD₅ and for Suspended Solids, quarterly, 24-Hr. Composite.

¹For each day with average monthly flow calculated

SEWAGE SLUDGE

The discharger shall report quarterly on the quantity, method, and location of sewage sludge discharged.

OPERATION AND MAINTENANCE

Activity

To inspect and document any operational and maintenance problems by reviewing each unit process.

Reporting

Yearly

REPORTING

Monthly and weekly monitoring data 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. Yearly reports shall be submitted by January 15th of the following year.

Submit monitoring reports to:

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

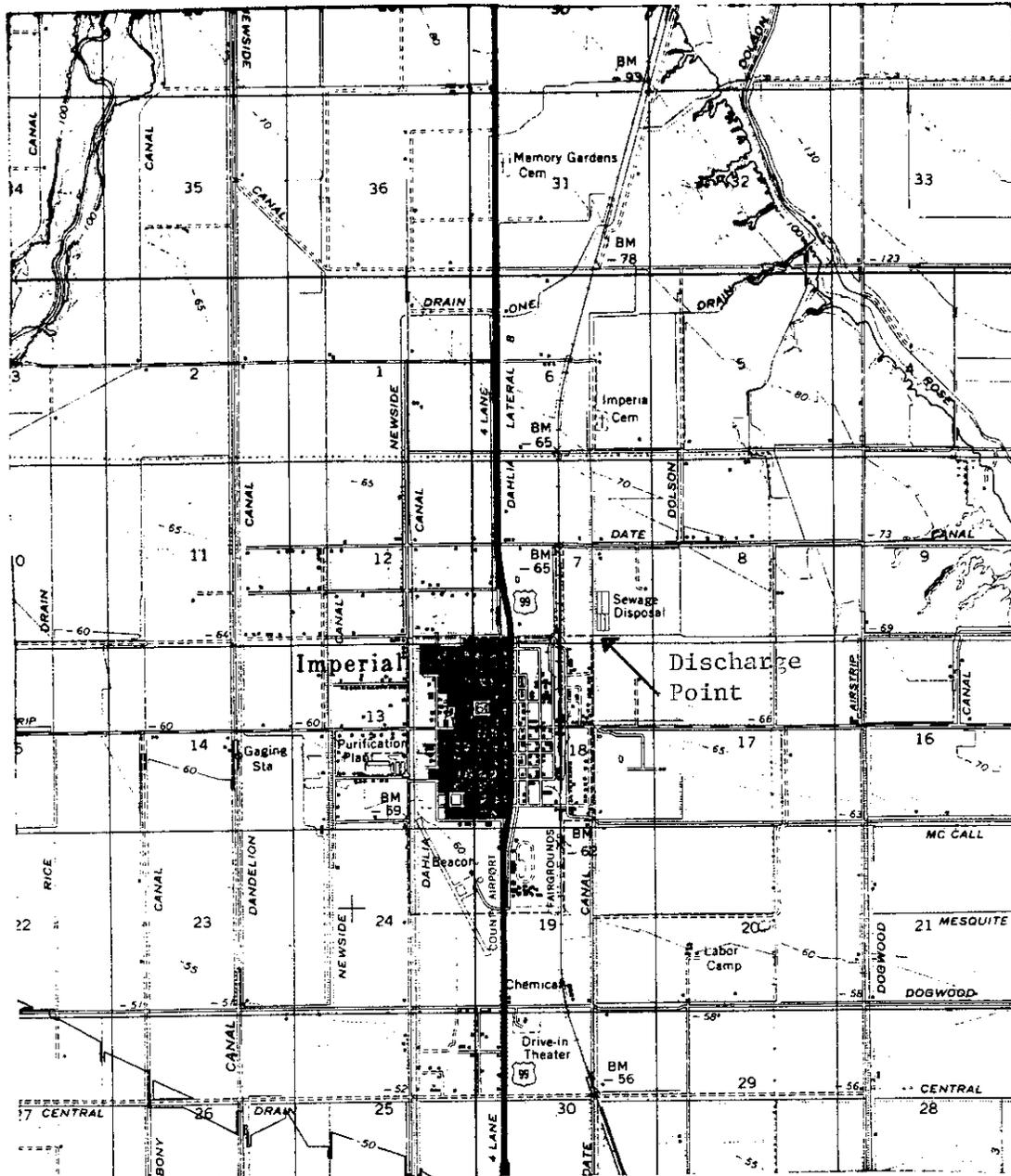
ORDERED BY:

Philip A. Greenberg
Executive Officer

November 29, 1989

Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD - 7



SITE MAP

CITY OF IMPERIAL
 Imperial County
 SE¼ of Section 7, T15S, R14E, SBB&M
 U.S.G.S. Brawley 15 min. Topographic Map

Order No. 89-068