

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

ORDER NO. 83-47  
NPDES NO. CA0104418

WASTE DISCHARGE REQUIREMENTS  
FOR  
CITY OF CALEXICO  
Imperial County

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

1. The City of Calexico (hereinafter also referred to as the discharger), 408 Heber Avenue, Calexico, California 92231, submitted an updated NPDES Application for Permit to Discharge dated March 8, 1983. Said application is assigned Application No. CA0104418.
2. The discharger presently discharges a peak month average daily flow of 1.4 mgd, and proposes to discharge a design peak month average daily flow of 1.9 mgd of treated wastewater from an activated sludge treatment plant, into New River in the SW 1/4 of the NW 1/4 of Section 14, T17S, R14E, SBB&M.
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. Beneficial uses of New River to be protected by this Order are as follows:
  - a. Transport of dissolved solids to Salton Sea for agricultural soil salinity control.
  - b. Freshwater replenishment for Salton Sea.
  - c. Freshwater habitat for fish and wildlife.
  - d. Recreation - non-water contact.
5. The issuance of waste discharge requirements for this discharge is exempt from the provisions of Chapter 3 (commencing with Section 21000 et. seq.) of Division 13 of the Public Resources Code in accordance with Water Code Section 13389.
6. The discharge has been subject to waste discharge requirements adopted in Order No. 78-67 (NPDES No. CA0104418) which allows discharge to New River.
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.

*Replaced  
88-092*

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, the City of Calexico, 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 New River shall not contain constituents in excess of the following limits:

Constituent	Unit	30-Day Arithmetic Mean Discharge Rate	7-Day Arithmetic Mean Discharge Rate
20°C BOD <sub>5</sub>	lbs/day	475	713
	mg/l	30	45
Suspended Solids	lbs/day	475	713
	mg/l	30	45
Settleable Matter	ml/l	0.3	0.5

2. The arithmetic mean of the values for effluent samples collected for 20°C BOD<sub>5</sub> 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).
3. The peak month average daily flow shall not exceed 1.9 mgd.
4. The effluent values for pH shall remain within the limits of 6.0 to 9.0.

B. Receiving Water Limitations

1. Wastewater discharged to New River shall not:
  - a. Depress the dissolved oxygen content of said River 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 Water Pollution Control 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 this Board's Order No. 78-67.
4. This Order includes the attached "Monitoring and Reporting Program No. 83-47", and future revisions thereto, as specified by the Executive Officer.
5. This Order expires five (5) years from July 13, 1983 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. 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 July 13, 1983.

  
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Executive Officer

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION**

**MONITORING AND REPORTING PROGRAM NO. 83-47  
FOR  
CITY OF CALEXICO  
Imperial County**

**Location of Discharge:** New River in the SW $\frac{1}{4}$  of the NW $\frac{1}{4}$  of Section 14, T17S, R14E, SBB&M

**EFFLUENT MONITORING**

Wastewater discharged into New River 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 the effluent can be obtained.

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sampling</u>	<u>Sampling Frequency</u>
20°C BOD <sub>5</sub>	lbs/day mg/l	24-hour composite	Weekly
Suspended Solids	lbs/day mg/l	24-hour composite	Weekly
Settleable Matter	ml/l	Grab at a peak flow	Daily
pH	pH Units	Grab	Daily
Dissolved Oxygen	mg/l	Grab	Daily
Flow	Gallons	Average Daily	Reported* Monthly

**INFLUENT MONITORING**

The wastewater influent to the treatment facilities shall be monitored for 20°C BOD<sub>5</sub> and for Suspended Solids, bi-weekly.

**REPORTING**

Monthly, weekly and daily monitoring reports shall be submitted to the Regional Board by the 15th day of the following month.

\* For each day with average monthly flow calculated

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

Forward monitoring reports to:

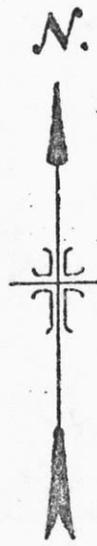
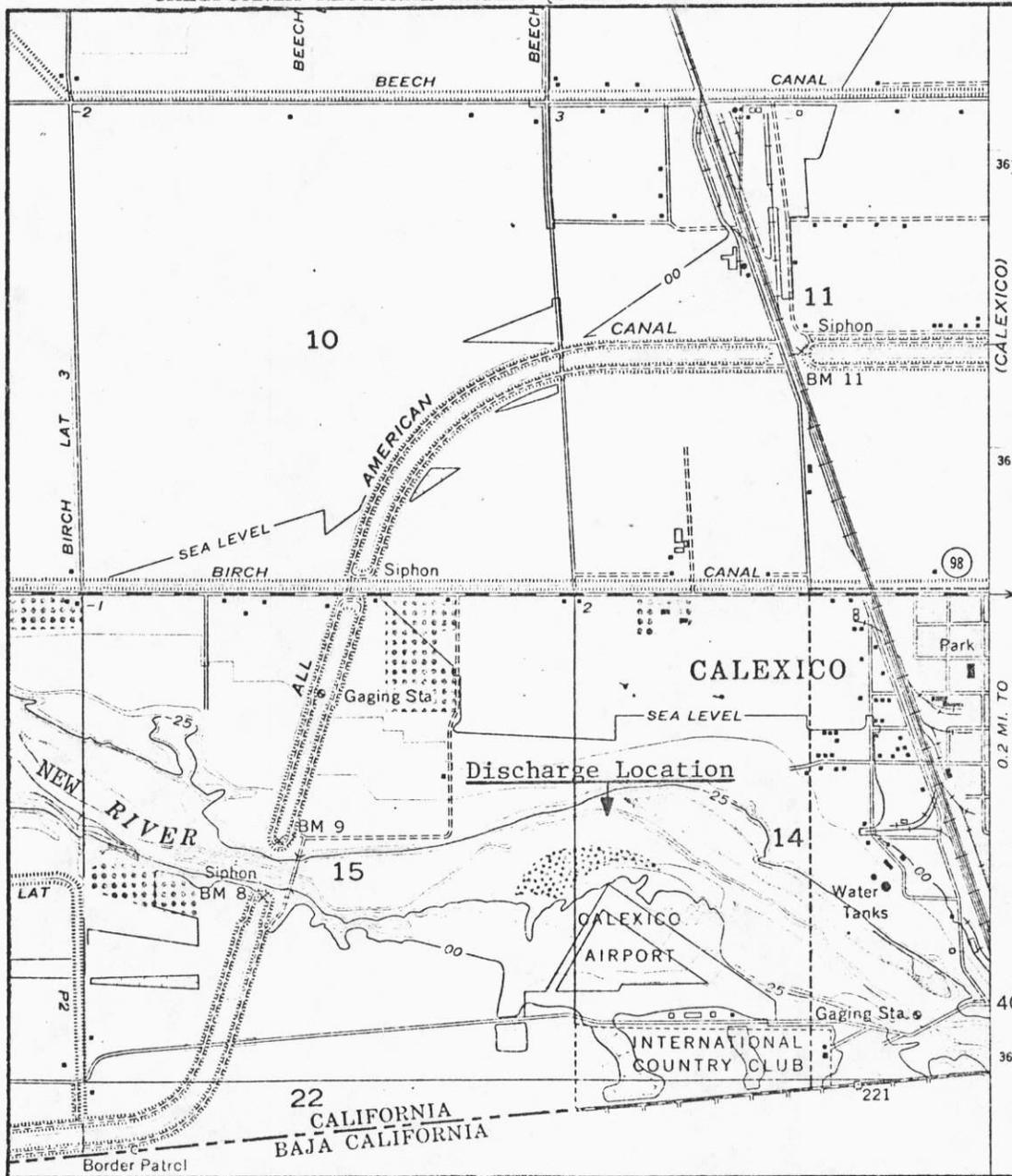
California Regional Water Quality Control Board  
Colorado River Basin Region  
73-271 Highway 111, Suite 21  
Palm Desert, CA 92260

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

Regional Administrator  
Environmental Protection Agency  
Region 9, E-5-1  
100 California Street  
San Francisco, CA 94111

ORDERED BY:

Arthur Sujan  
Executive Officer  
July 22, 1983  
Date



Scale:  
1" = 2,000'

SITE MAP

CITY OF CALEXICO

Imperial County

Discharge Location: SW 1/4, NW 1/4 of Section 14, T17S,  
R14E, SBB&M

USGS Calexico 7.5 min. Topographic Map

ORDER NO. 83-47

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION**

**FACT SHEET  
APPLICATION FOR WASTE DISCHARGE REQUIREMENTS  
TO DISCHARGE TO STATE WATERS**

PUBLIC NOTICE NO. 7-83-3  
APPLICATION NPDES NO. CA0104418  
ORDER NO. 83-47

City of Calexico, 408 Heber Avenue, Calexico, California 92231, has applied to the California Regional Water Quality Control Board, Colorado River Basin Region, for updated waste discharge requirements for a discharge of pollutants into State Waters.

The applicant is a city with sewage treatment facilities serving a population of 13,500. The treatment facilities consist of activated sludge treatment with discharge to New River. Sludge solids are processed through an anaerobic digester to drying beds. The treated sludge is disposed to land fill. A more complete description of the discharge and a sketch of its location follow.

On the basis of preliminary staff review and application of lawful standards and regulations, the Regional Board proposes to update waste discharge requirements for the discharge. The proposed determinations are described more fully below.

The application, related documents, proposed effluent limitations and special conditions, comments received, and other information is on file and may be inspected at any time between 8:00 a.m. and 5:00 p.m. Monday through Friday. Copying of documents may be arranged through the Regional Board by calling (619) 346-7491.

The proposed staff determinations are tentative. Persons wishing to comment upon or object to the proposed determinations are invited to submit same in writing to the above address by no later than June 17, 1983. All comments or objections received prior to said date will be considered in the formulation of final determinations regarding the application. If no objections are received, the Regional Board shall make final determination within 90 days. As described more fully below, a public hearing may be held if response to public notices indicates a significant public interest.

DESCRIPTION OF PROPOSED DISCHARGE

Flow

Present plant peak month average daily flow is 1.4 mgd. Plant design peak month average daily flow is 1.9 mgd.

Source of Wastewater

City of Calexico utilizes Colorado River water diverted from the local irrigation canal system.

## Receiving Waters

The wastewater is discharged into New River and flows 65.5 miles to Salton Sea. New River is not a natural river, but is a large agricultural drainage wasteway. It empties into Salton Sea which is replenished by the irrigation drainage waters from Imperial Valley to the south, and Coachella Valley to the north. The drainage water is saline in that it is derived, principally, by leaching from the soil profile of agricultural lands, and the water in Salton Sea is approximately thirteen times as saline as the drainage water which replenishes and sustains it.

Community and industrial wastewaters comprise only a small fraction of New River flow, about 1.8 percent of the total. Farm drainage from Mexico comprises 27.7 percent and the remaining 70.5 percent is farm drainage from Imperial Valley.

The beneficial uses of water in New River are:

1. Transport of dissolved solids to Salton Sea for agricultural soil salinity control.
2. Freshwater replenishment for Salton Sea.
3. Freshwater habitat for fish and wildlife.
4. Recreation - non-water contact.

## PROPOSED DETERMINATIONS

The Regional Board has examined the above application. On the basis of applicable effluent limitations and water quality standards, Division 7 of the California Water Code, and regulations issued thereunder as contained in Title 23, California Administrative Code, the Regional Board proposes to issue to the applicant waste discharge requirements containing effluent limitations and certain other conditions. The following is a brief description of the proposed effluent limitations and special conditions.

### Proposed Effluent Limitations

1.	<u>Constituent</u>	<u>Unit</u>	<u>30-Day Mean Discharge Rate</u>	<u>7-Day Mean Discharge Rate</u>
	20°C BOD <sub>5</sub>	lbs/day mg/l	475 30	713 45
	Suspended Matter	lbs/day mg/l	475 30	713 45
	Settleable Matter	ml/l	0.3	0.5

2. The effluent values for pH shall remain within the limits of 6.0 to 9.0.

### Proposed Receiving Water Limitations

Wastewater discharged to New River shall not:

1. Depress the dissolved oxygen content of said river below 5.0 mg/l.
2. Cause presence of oil, grease, scum, sludge and solids.
3. Contain heavy metals or associated chemicals or pesticides in concentrations toxic to fish and other aquatic life.

### PROPOSED SCHEDULE OF COMPLIANCE

The applicant presently meets the waste discharge requirements and is required to continue doing so.

### PROPOSED SPECIAL CONDITIONS

The applicant is required to monitor his discharge on a regular basis and report the results to the Regional Board. The monitoring results will be available to the public.

### APPLICABLE EFFLUENT LIMITATIONS AND WATER QUALITY STANDARDS

The following are the effluent limitations and water quality standards which were applied to the applicant's discharge in the formulation of the above proposed determinations:

1. pH determination is based upon Environmental Protection Agency secondary treatment regulations.
2. Limitation on Settleable Matter prevents formation of sludge deposits at point of discharge.
3. Limitation on Suspended Matter and BOD is consistent with Environmental Protection Agency secondary treatment regulations.

### WRITTEN COMMENTS

Interested persons are invited to submit written comments upon the proposed discharge and the Executive Officer's proposed determinations. Comments should be submitted by June 17, 1983 either in person or by mail to:

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

The application number should appear next to the above address on the envelope and on the first page of any submitted comments. All comments received by June 17, 1983 will be considered in the formulation of final determinations.

## INFORMATION AND COPYING

Persons wishing further information may write to the above address or call the Regional Board at (619) 346-7491. Copies of the application, proposed updated waste discharge requirements and other documents (other than those which the Executive Officer maintains as confidential) are available at the Regional Board office for inspection and copying.

## REGISTER OF INTERESTED PERSONS

Any person interested in a particular application or group of applications may leave his name and address and phone number as part of the file for the application. This list of names will be maintained as a means for persons with an interest in an application to contact others with similar interests.

## PUBLIC HEARINGS

If submitted comments indicate a significant public interest in the application or if he believes useful information may be produced thereby, the Executive Officer, at his discretion, may hold a public hearing on the application. Any person may request the Executive Officer to hold a public hearing on the application.

Public notice of a hearing will be circulated at least 30 days in advance of the hearing which will be held in the vicinity of the discharge. Thereafter, the Executive Officer will formulate his final determinations within 60 days. Further information regarding the conduct and nature of public hearings concerning discharge permits may be obtained by writing or visiting the Colorado River Basin Regional Office, 73-271 Highway 111, Suite 21, Palm Desert, CA 92260.