

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

ORDER NO. 90-027  
NPDES NO. CA0104523

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

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

1. The City of Brawley (hereinafter referred to as the discharger), 400 Main Street, Brawley, California, 92227 submitted a National Pollutant Discharge Elimination System Application for Permit to Discharge on June 27, 1989. Said application is assigned Application No. CA0104523.
2. The discharger presently discharges a monthly average daily flow of 3.21 mgd of wastewater from a treatment plant, with a design flow of 3.9 mgd, consisting of a primary system followed by waste stabilization ponds into the New River in the SW $\frac{1}{4}$  of Section 15, T13S, R14E, SBB&M, which is at a point 18.5 miles from the Salton Sea.
3. The Water Quality Control Plan for the Colorado River Basin Region of California designates the beneficial uses of ground and surface waters in this Region.
4. The beneficial uses of waters in the New River are:
  - a. Fresh Water Replenishment of Salton Sea (FRSH)
  - b. Noncontact Water Recreation (REC II)
  - c. Warm Water Habitat (WARM)
  - d. Wildlife Habitat (WILD)
  - e. Preservation of Endangered or Threatened Species (END)
5. This discharge has been subject to waste discharge requirements, Board Order No. 85-17, (NPDES No. CA0104523), adopted January 23, 1985, which allows discharge to the New River.
6. In accordance with Section 13389, Chapter 5.5, Division 7 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 requirement to prepare an Environmental Impact Report or Negative Declaration (Public Resources Code, Section 21100 et seq.).
7. The purpose of this Board Order is to renew waste discharge requirements contained in Board Order No. 85-017.

*3/29/95  
Superseded by  
Order No. 90-027*

8. The Board has notified the discharger, and all known interested agencies and persons of its intent to renew waste discharge requirements for said discharge and has provided them with an opportunity for a public meeting and an opportunity to submit comments.
9. The Board in a public meeting heard and considered all comments pertaining to this discharge.
10. This Board 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 become effective at the end of ten (10) days from the date of the hearing at which this Board Order was adopted by the Regional Board, provided the Regional Administrator, U. S. Environmental Protection Agency, 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 the regulations and guidelines adopted thereunder, shall comply with the following specifications:

A. Effluent Limitations

1. Representative samples of wastewater discharged to the New River shall not contain constituents in excess of the following limits:

<u>Constituent</u>	<u>Unit</u>	30-Day Arithmetic Mean <u>Discharge Rate<sup>1</sup></u>	7-Day Arithmetic Mean <u>Discharge Rate<sup>2</sup></u>
20°C BOD <sub>5</sub>	mg/l	45	65
Suspended Solids	mg/l	95	-
Settleable Matter	ml/l	0.3	0.5

2. The 30-day average percent removal of the pollutant parameter BOD<sub>5</sub> shall not be less than 65 percent.
3. The pH of the effluent shall be maintained within the limits of 6.0 to 9.0.

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

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

B. Receiving Water Limitations

1. Wastewater discharged to the New River shall not:
  - a. Depress the dissolved oxygen content of said River below 5.0 mg/l.
  - b. Cause the 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. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Federal Water Pollution Control Act or amendments thereto, the Regional Board will revise and modify this Board Order in accordance with such more stringent standards.

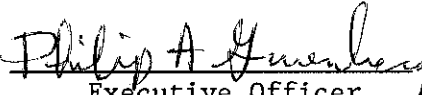
C. Provisions

1. The treatment or disposal of wastes at this facility shall not cause pollution or nuisance as defined in Sections 13050(1) and 13050(m) of 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 Regional Board's Executive Officer.
4. 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.
5. Sewage sludge shall not be discharged to any natural or artificial channel, or waterway.
6. The discharger shall comply with "Monitoring and Reporting Program No. 90-027", and future revisions thereto, as specified by the Regional Board's Executive Officer.
7. The discharger shall comply with "Standard Provisions for National Pollutant Discharge Elimination System Permit" dated December 23, 1985.

8. 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's 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. The bioassay test specified in 8.a. shall be performed quarterly for a period of at least one year (minimum of four tests per organisms).
  - c. When the program described in 8.a. and 8.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's Executive Officer.
9. This Board Order expires five years from March 14, 1990, and the discharger shall file a complete 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.
10. Facilities shall be available to keep the plant in operation in the event of commercial power failure.
11. 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 of the California Code of Regulations.
12. The discharger shall implement acceptable operational and maintenance practices at the WWTP so that needed repairs and maintenance are performed in a timely manner. A yearly report shall be submitted to the Regional Board indicating any operational or maintenance problems.
13. 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.
14. 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.

IT IS FURTHER ORDERED that Board Order No. 85-017 be superseded by this Board 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 March 14, 1990.

  
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 90-027  
FOR  
CITY OF BRAWLEY  
Imperial County

Location of Discharge: SW $\frac{1}{4}$  of Section 15, T13S, R14E, SBB&M

EFFLUENT MONITORING

Wastewater discharged into the 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 effluent can be obtained.

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
20°C BOD <sub>5</sub>	mg/l	24-Hr. Composite	Weekly
Suspended Solids	mg/l	24-Hr. Composite	Weekly
Settleable Matter	ml/l	Grab at Peak Flow	Weekly
pH	pH Units	Grab	Daily <sup>1</sup>
Flow	MGD	Daily	Reported Monthly <sup>2</sup>
Bioassay			Quarterly for 1st year - Yearly Thereafter

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, 24-Hr. Composite.

SEWAGE SLUDGE

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

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<sup>1</sup>Once per weekday.

<sup>2</sup>For each day with average monthly flow calculated

OPERATION AND MAINTENANCE

Activity

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

Reporting

Yearly

REPORTING

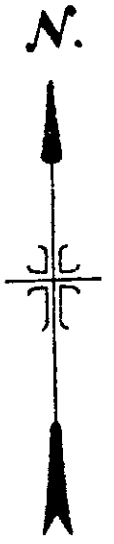
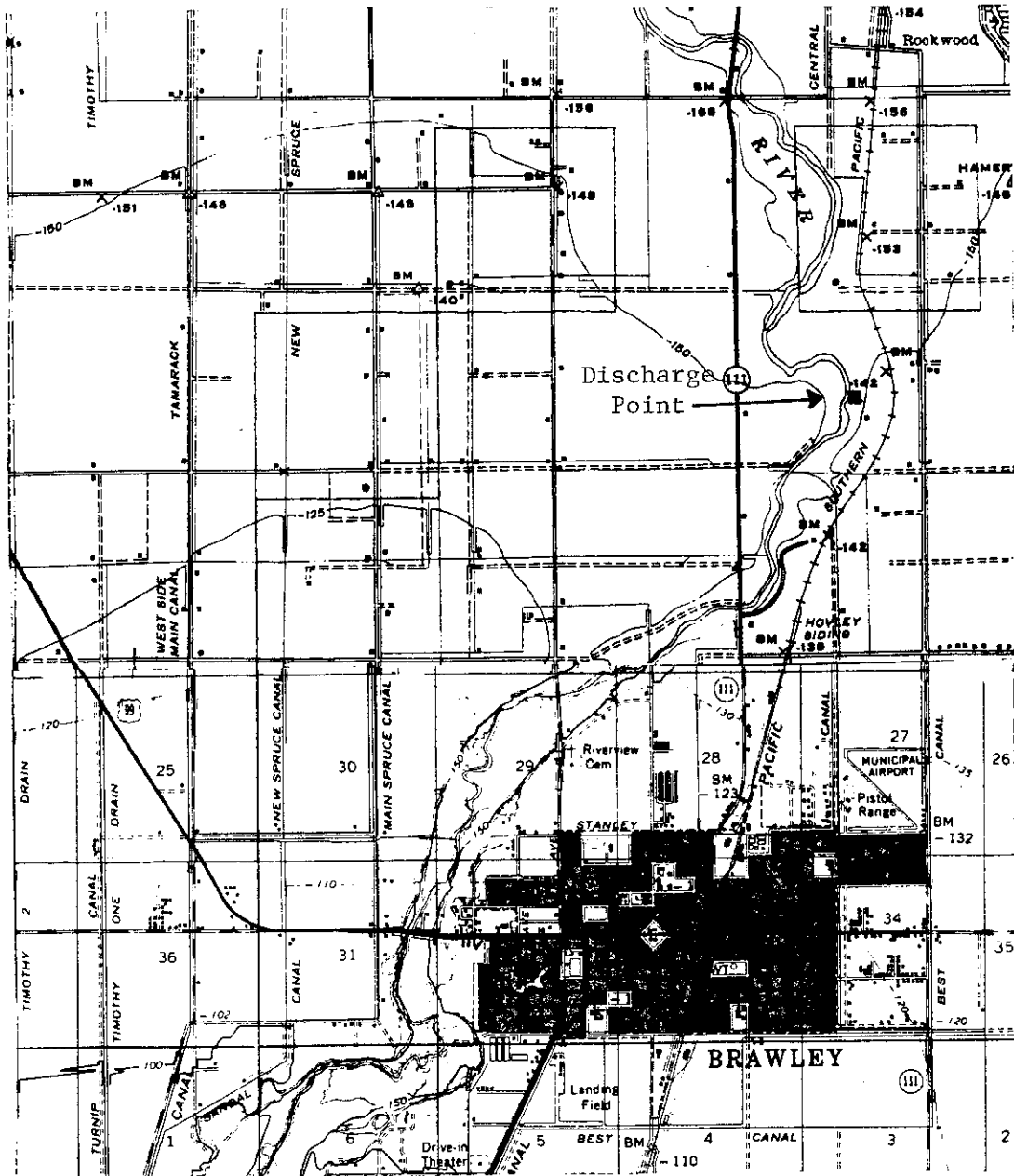
Monthly and weekly monitoring data shall be submitted to the Regional Board by the 15th day of the following month. Quarterly monitoring reports shall be submitted by January 15, April 15, July 15 and October 15 of each year. Yearly reports shall be submitted by January 15th of the following year.

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. Guonberg  
Executive Officer

March 14, 1990  
Date



Scale:  
1"=1 Mile

**SITE MAP**

CITY OF BRAWLEY  
IMPERIAL COUNTY  
SW $\frac{1}{4}$  of Section 15, T13S, R14E, SBB&M  
USGS Brawley & Calipatria 15 min. Topographic Map