

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

ORDER NO. 76-30 (REVISED)

WASTE DISCHARGE REQUIREMENTS  
FOR  
CITY OF BRAWLEY - SEWAGE DISPOSAL  
North of Brawley - Imperial County

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

1. The City of Brawley (hereinafter also referred to as the discharger), 400 Main Street, Brawley, California 92227, submitted a Report of Waste Discharge dated February 9, 1976.
2. The discharger proposes to discharge a present annual average daily flow of 1.85 mgd and a design annual average daily flow of 2.4 mgd of sewage wastewater to a land disposal sewage treatment system located in the E $\frac{1}{2}$  Section 9, W $\frac{1}{2}$  Section 10, W $\frac{1}{2}$  Section 15, and NE $\frac{1}{4}$  Section 16, T13S, R14E, SBB&M.
3. The land disposal sewage treatment system is described as follows:
  - a. Effluent from the existing primary treatment plant will flow into proposed oxidation ponds which will serve as both aeration ponds and holding ponds. Mechanical aerators will agitate the effluent for odor control and removal of organic matter. The pond dikes will be designed above the 100 year flood level.
  - b. Approximately 280 acres of fields will be provided to receive plant effluent. Said plant effluent will be used for irrigation of fiber, fodder, and seed crops, and for food crops which must undergo extensive commercial physical or commercial chemical processing sufficient to destroy pathogenic agents before being suitable for human consumption. A tile drainage system will collect percolated water and carry it to the New River as in other agricultural operations in the Imperial Valley. All irrigation tailwater will be collected and retained in the treatment/disposal facility without discharge to New River or other surface waters.

*Suspended by  
Rescinded  
2/13/83*

4. The discharge of wastewater to New River or to other surface waters from the tile drainage systems underlying agricultural fields which are irrigated totally or in part with domestic sewage wastewater is not a point source discharge of domestic sewage wastewater and is therefore not subject to Secondary Effluent Limitations, provided the domestic sewage wastewater passes through a minimum of four (4) feet of vertical soil column prior to discharge to a surface water from the tile drainage system. Rather, said discharge of tile drainage system wastewater is subject to the NPDES Permit for Imperial Irrigation District - Irrigation Activities with Point Return Flows.
5. The City of Brawley has prepared an "Environmental Impact Report", dated March 15, 1976, and an "Amendment to Environmental Impact Report", dated June 1, 1976, for the City of Brawley Wastewater Treatment Plant Expansion in accordance with the California Environmental Quality Act (Public Resources Code 21000 et seq.).
6. The project as approved by the City of Brawley could have the following significant effects on the environment:
  - a. Unless adequate storm protection facilities are provided, discharge of sewage effluent to New River could occur during periods of heavy storms, which would lower water quality in said River.
  - b. Oxidation ponds could be a source of odors and a habitat for the breeding of insects.
  - c. Oxidation ponds could be a public health and safety hazard.
  - d. Excavation and construction activities could produce short-term negative effects on the surrounding atmosphere.
7. The City of Brawley proposes in the Environmental Impact Reports, the following measures to mitigate or avoid the significant effects on the environment identified in Finding No. 6 (above).
  - a. The oxidation ponds will be constructed to prevent the release of sewage during a 100-year frequency flood. The oxidation ponds will have sufficient capacity to retain all sewage effluent during periods when the agricultural fields are flooded with stormwaters.
  - b. Proper operation of the mechanical aerators and occasional chlorine dosages will provide control of odors and insect breeding in the oxidation ponds.

- c. A chain link fence will be built around the oxidation ponds to reduce the public health and safety hazards.
  - d. Construction watering procedures will help to minimize dust from excavation and construction activities.
8. The Water Quality Control Plan for the West Colorado River Basin was adopted by the Board on April 10, 1975. This Order implements the objectives stated in the Plan.
9. Beneficial uses of the New River to be protected by this Order are as follows:
  - a. Limited public fishing activity.
  - b. Transport of dissolved solids to Salton Sea for agricultural soil salinity control.
  - c. Freshwater habitat for fish and wildlife.
  - d. Freshwater replenishment for Salton Sea.
10. The Board has notified the discharger and interested agencies and persons of its intent to revise waste discharge requirements for the proposed discharge.
11. The Board in a public meeting heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, the City of Brawley shall comply with the following:

A. Discharge Specifications

1. Neither the treatment nor the discharge of wastes shall cause a pollution or a nuisance.
2. The direct discharge of sewage wastewater and/or irrigation tailwaters to the New River, irrigation canals, agricultural drainage ditches, other surface waters, or to subsurface agricultural drain tile is prohibited, except in accordance with this Board's Order No. 74-33 (NPDES No. CA0104523), and in accordance with this Board's Cease and Desist Order No. 76-1.

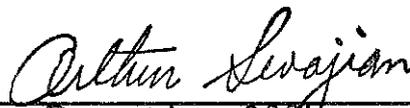
3. Representative samples of oxidation pond effluent shall not contain a settleable solids concentration in excess of 0.5 ml/l prior to dilution with supplemental Imperial Irrigation District water.
4. In accordance with the discharger's request: reclaimed wastewater shall be used only for irrigation of fiber, fodder, or seed crops, and for irrigation of those food crops which, in the consideration of the State Department of Health on an individual case basis, require extensive commercial physical, or commercial chemical processing sufficient to destroy pathogenic agents before being suitable for human consumption.
5. Reclaimed wastewater shall meet the requirements of "Wastewater Reclamation Criteria", Title 22, Division 4, California Administrative Code.
6. Discharge of wastewater to agricultural fields which are inundated with flood water is prohibited.
7. The average daily flow of influent shall not exceed 2.4 mgd.
8. A freeboard depth of at least two (2) feet shall be maintained at all times in all wastewater holding basins.
9. Facilities shall be available to keep the plant in operation in the event of commercial power failure.

#### B. Provisions

1. 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 inoperable portions of the treatment and wastewater storage facilities.
2. Prior to initial discharge of wastewater to the new treatment facilities, the discharger shall submit to the Regional Board a certificate signed by a California Registered Civil Engineer stating that the wastewater treatment and disposal facilities are constructed to meet the requirements contained in this Order.

3. The discharger's wastewater treatment plant shall be supervised and operated by persons possessing certificates of appropriate grade pursuant to Chapter 3, Subchapter 14, Title 23, California Administrative Code.
4. Prior to any modifications in this facility which could result in material change in the quality or quantity of wastewater discharged, any material change in the location of the discharge, or crop being irrigated with wastewater, the discharger shall report thereon to this Board.
5. The discharger shall comply with "Monitoring and Reporting Program No. 76-30 (Revised)" and "General Provisions for Monitoring and Reporting", and future revisions thereto, as specified by the Executive Officer.
6. At least 30 days prior to the anticipated initial planting of a food crop, the discharger shall submit a list of the food crop(s) which it plans to plant; and, via the Regional Board, shall obtain State Department of Health clearance for each individual type of food crop in advance of said initial planting. Thereafter, any additions to the list of allowable food crops shall be made in accordance with the procedure outlined in this provision.
7. This Order revises and supersedes Order No. 76-30 which was adopted by the Regional Board on June 10, 1976.

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 March 16, 1977.

  
\_\_\_\_\_  
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 76-30 (REVISED)  
FOR  
CITY OF BRAWLEY - SEWAGE DISPOSAL  
North of Brawley - Imperial County

Location of Discharge: E $\frac{1}{2}$  of Section 9, W $\frac{1}{2}$  of Section 10, W $\frac{1}{2}$  of  
Section 15, and NE $\frac{1}{4}$  of Section 16, T13S,  
R14E, SBB&M

EFFLUENT MONITORING

Representative samples of wastewater shall be taken of oxidation pond effluent prior to dilution with supplemental Imperial Irrigation District water. Said samples shall be monitored for the following:

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Settleable solids	ml/l	Grab	Daily, Reported Monthly
Total dissolved solids	mg/l	Grab	Quarterly
5-Day 20°C BOD <sub>5</sub>	mg/l	Grab	Quarterly

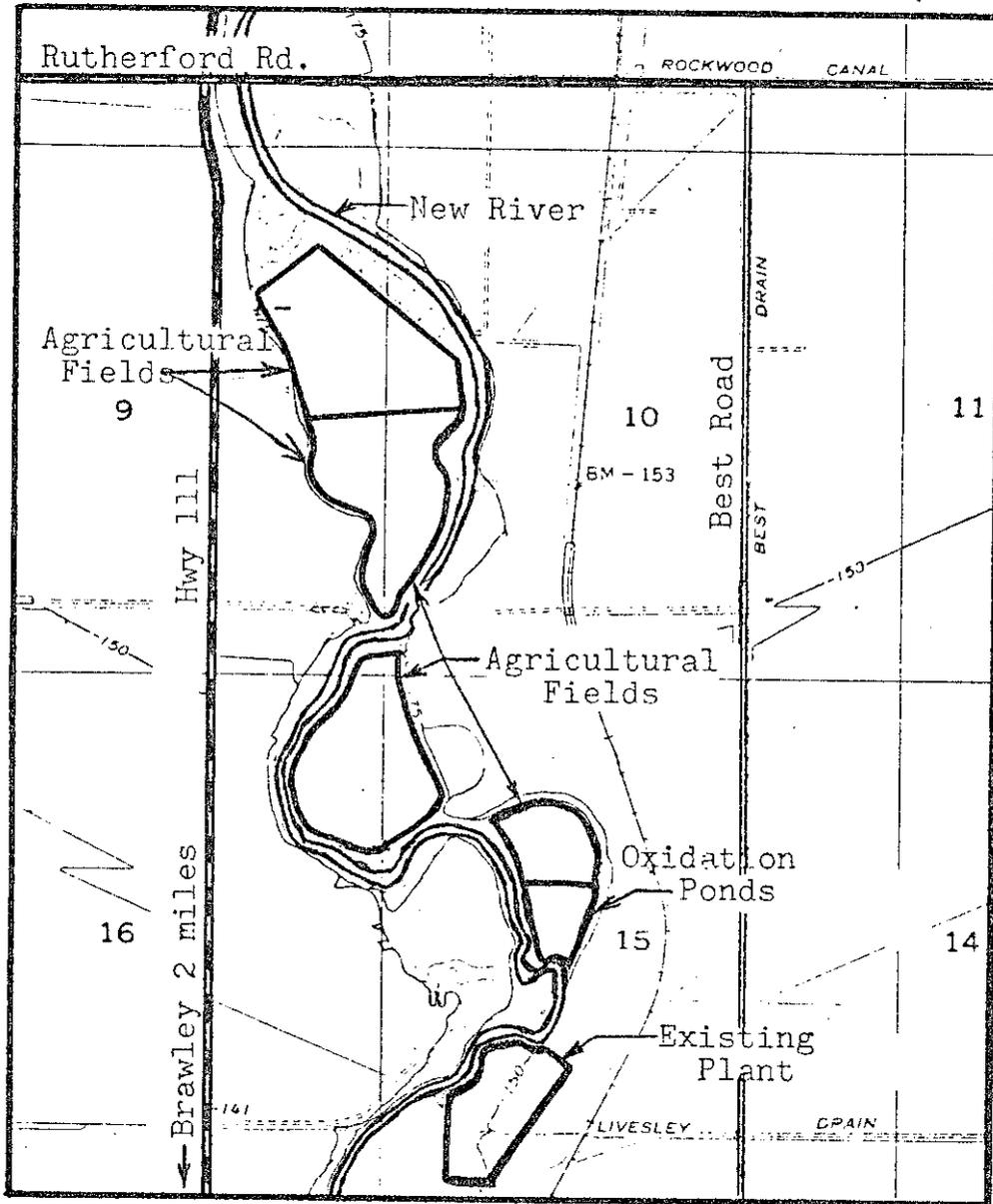
INFLUENT MONITORING

The influent flow shall be measured daily (mgd) and reported to the Regional Board monthly.

FOOD CROPS

At least 30 days prior to the anticipated initial planting of a food crop, the discharger shall submit a list of the food crop(s) which it plans to plant.





SITE MAP  
FOR  
CITY OF BRAWLEY - SEWAGE DISPOSAL  
North of Brawley - Imperial County

Location: E $\frac{1}{2}$  Section 9, W $\frac{1}{2}$  Section 10, W $\frac{1}{2}$  Section 15,  
and NE $\frac{1}{4}$  Section 16, T13S, R14E, SBB&M  
Westmorland 7.5' Topographic Map

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

Transmittal of  
REQUIREMENTS AND RECOMMENDATIONS OF OTHER GOVERNMENTAL AGENCIES

The State of California, Department of Public Health, requires that the sewage storage and disposal facilities be constructed and operated in conformance with the following regulations:

1. The public shall be effectively excluded from the wastewater disposal area.
2. The breeding of flies, mosquitoes, or other vectors of public health significance must be controlled, insofar as it is supported by the operation of the waste treatment and disposal facilities.
3. Irrigation outlets in areas where the public has access shall be controlled by means available only to the operator.
4. There shall be no interconnection between any domestic water system and waste spray irrigation systems.
5. Precautions must be taken to avoid direct public contact with the reclaimed wastewaters.

Date: March 16, 1977

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

ORDER NO. 76-30

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*Superseded  
NY  
76-30  
Revised*

4. The Water Quality Control Plan for the West Colorado River Basin was adopted by the Board on April 10, 1975. This Order implements the objectives stated in the Plan.
5. Beneficial uses of the New River to be protected by this Order are as follows:
  - a. Limited public fishing activity.
  - b. Transport of dissolved solids to Salton Sea for agricultural soil salinity control.
  - c. Freshwater habitat for fish and wildlife.
  - d. Freshwater replenishment for Salton Sea.
6. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the proposed discharge.
7. The Board in a public meeting heard and considered all comments pertaining to the discharge.

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3. Representative samples of oxidation pond effluent shall not contain a settleable solids concentration in excess of 0.5 ml/l prior to dilution with supplemental Imperial Irrigation District water.
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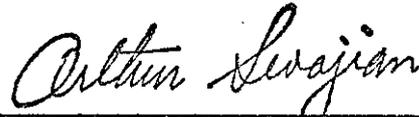
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5. The discharger shall comply with "Monitoring and Reporting Program No. 76-30" and "General Provisions for Monitoring and Reporting", and future revisions thereto, as specified by the Executive Officer.

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Executive Officer

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REPORTING

Monitoring reports shall be submitted to the Regional Board as follows:

Quarterly Reports - January 15, April 15, July 15, and October 15  
of each year.

Monthly Reports - by the 15th day of the following month.

Forward monitoring reports to:

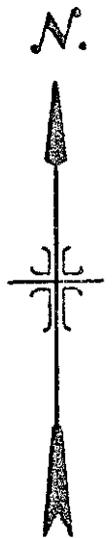
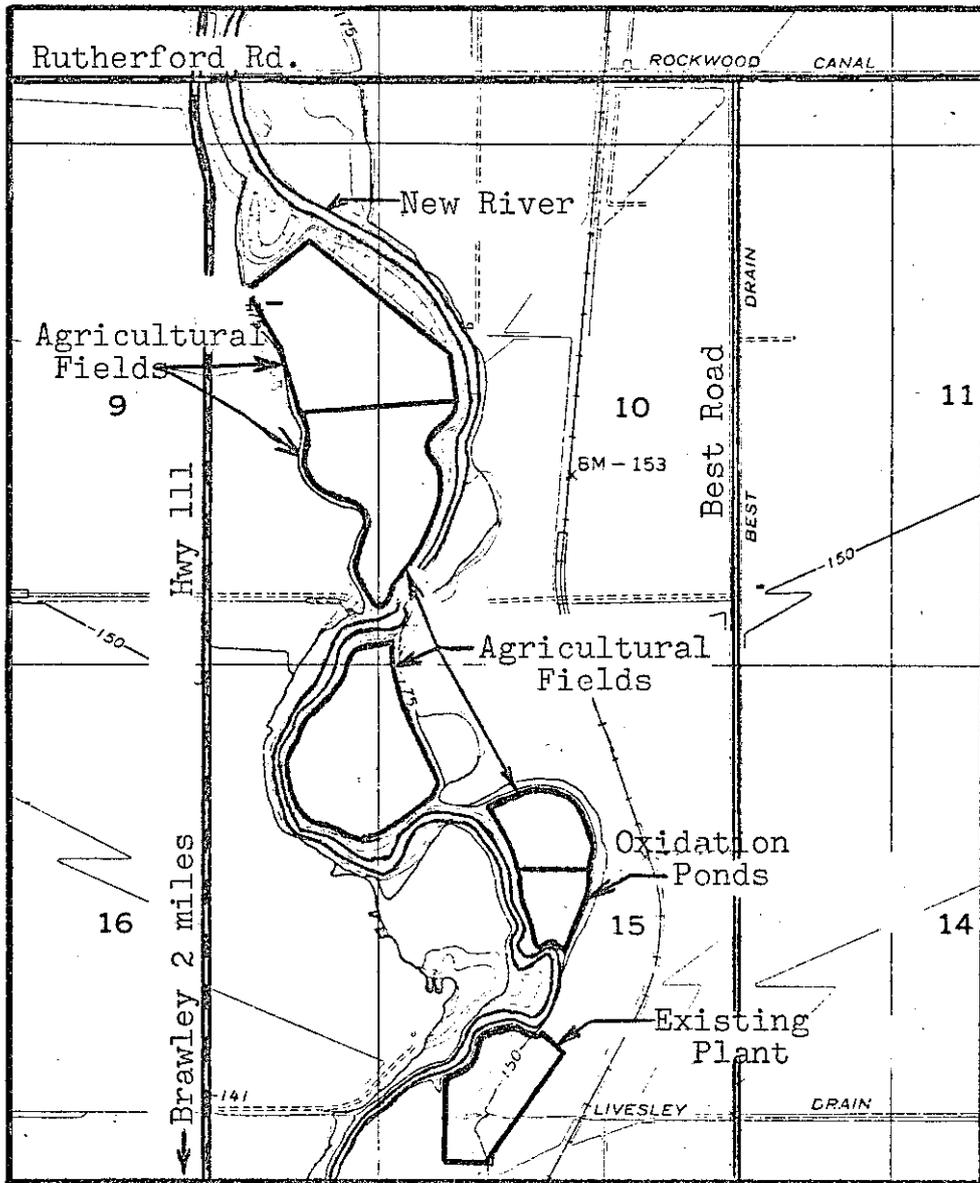
California Regional Water Quality Control Board  
Colorado River Basin Region  
73-271 Highway 111, Suite 21  
Palm Desert, CA 92260  
Phone: (714) 346-7491

ORDERED BY

*Arthur Levajian*  
\_\_\_\_\_  
Executive Officer

June 10, 1976  
\_\_\_\_\_

Date



Scale:  
1" = 2000'

SITE MAP  
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