

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

ORDER NO. 84-8

WASTE DISCHARGE REQUIREMENTS  
FOR  
CITY OF CALIPATRIA - AGRICULTURAL IRRIGATION  
Northwest of Calipatria - Imperial County

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

1. The City of Calipatria (hereinafter also referred to as the discharger), P. O. Box 167, Calipatria, California 92233, submitted current information dated August 8, 1983, to update waste discharge requirements.
2. The discharger is currently discharging a present average daily flow of 0.60 mgd of sewage wastewater, plus supplemental irrigation water, to land located in the SE $\frac{1}{4}$  of Section 6, T12S, R14E, SBB&M. Said wastewater is being used for irrigation of fiber, fodder, and seed crops, and for food crops which must undergo extensive commercial, physical or chemical processing sufficient to destroy pathogenic agents before becoming suitable for human consumption.
3. Wastewater is treated in two oxidation basins with a design flow of 0.46 mgd. The oxidation basins provide, at minimum, a primary level of treatment. The wastewater is then pumped to two irrigation storage basins where sufficient Imperial Irrigation District water is added to meet the immediate irrigation needs. As required, water is pumped from the irrigation storage basins to the existing field irrigation water distribution laterals from which the water flows on to the fields. All tailwaters are collected and channeled to concrete sumps from which the tailwaters are pumped back to the oxidation basins.
4. The City of Calipatria is planning to expand these facilities as the system design average daily flow is less than the present average daily flow. They are currently diverting excess wastewater to two standby evaporation/infiltration basins located in the NE $\frac{1}{4}$  of Section 12, T12S, R13E, SBB&M, adjacent to the Alamo River. These basins are subject to waste discharge requirements contained in this Board's Order No. 80-70, which states that the standby evaporation/infiltration basins are to receive discharges only during an emergency or for routine maintenance of the oxidation basins.
5. The Water Quality Control Plan for the West Colorado River Basin was adopted on April 10, 1975. The Basin Plan contains water quality objectives for the Imperial Hydrologic Unit, and this Order implements those objectives.

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Superseded  
with Board  
Order #

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6. Shallow ground waters at the site are saline and are not beneficially used.
7. Surface waters in the Alamo River and in the Imperial Valley Drains have the following beneficial uses:
  - a. Transport of dissolved solids to Salton Sea for agricultural soil salinity control.
  - b. Freshwater habitat for fish and wildlife.
  - c. Freshwater replenishment for Salton Sea.
  - d. Recreation-non-water contact.
8. The Board has notified the discharger and interested agencies and persons of its intent to update waste discharge requirements for the existing discharge.
9. The Board in a public meeting heard and considered all comments pertaining to the existing discharge.
10. The discharge has been subject to waste discharge requirements contained in Order No. 76-9.
11. The disposal site constitutes an ongoing project in accordance with the provisions of the California Environmental Quality Act (Public Resources Code Section 21000 et. seq.), and Title 14, California Administrative Code, Article 6.5, Section 15070, because the governmental approvals on or after April 15, 1973 do not involve a greater degree of responsibility or control over such activity than the governmental approvals received prior to that date.

IT IS HEREBY ORDERED, the discharger shall comply with the following:

A. Discharge Specifications

1. The treatment or disposal of wastes shall not cause pollution or a nuisance as defined in Sections 13050 (l) and 13050 (m) of the California Water Code.
2. The direct discharge of wastewater and/or irrigation tailwaters to the Alamo River, irrigation canals, agricultural drainage ditches, to other surface waters, or to subsurface agricultural drain tile is prohibited.
3. Representative samples of oxidation pond effluent shall not contain a settleable solids concentration in excess of 0.5 ml/l per hour prior to dilution with Imperial Irrigation District water.
4. In accordance with the discharger's reported request: reclaimed wastewater shall be used only for irrigation of fiber, fodder, and seed crops, and for irrigation of only those food crops which may be considered

by the State Department of Health on an individual case basis as needing to undergo extensive commercial, physical or chemical processing sufficient to destroy pathogenic agents before becoming suitable for human consumption.

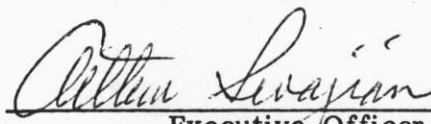
5. A minimum depth of freeboard of at least two feet shall be maintained in all wastewater retention facilities.
6. Adequate measures shall be taken to assure that unauthorized persons and animal pets are effectively excluded from contact with the discharge.
7. Adequate protective works shall be provided to insure that flood or surface drainage waters do not erode or otherwise render portions of the treatment and discharge facilities inoperable.
8. Treatment and disposal by ponding shall be conducted in such manner that there shall be no stranded or exposed sewage solids.
9. Facilities shall be available to handle wastewater in the event of a commercial power failure.
10. At least 30 days prior to the anticipated initial planting of a food crop, the discharger shall submit a list of 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 crop initial planting(s) shall be submitted for approval prior to planting in accordance to the method outlined in this specification.

#### B. Provisions

1. Prior to any modifications in this facility which would result in material change in the quality or quantity of wastewater discharged, or any material change in location of discharge, the discharger shall report in writing to the Regional Board.
2. The discharger shall comply with "Monitoring and Reporting Program No. 84-8," and future revisions thereto, as specified by the Executive Officer.
3. In the event of any change in operation, or in control or ownership of land and/or waste disposal facilities owned or controlled by the discharger, the discharger shall:
  - a. Notify this Board of such change; and
  - b. Notify the succeeding owner or operator by letter of the existence of this Order, a copy of which shall be filed with this Board.

4. This Order supersedes Board Order No. 76-9.

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 18, 1984.

  
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Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 84-8  
FOR  
CITY OF CALIPATRIA - AGRICULTURAL IRRIGATION  
Northwest of Calipatria - Imperial County

Location of Discharge: SE $\frac{1}{4}$ , Section 6, T12S, R14E, SBB&M

EFFLUENT MONITORING

Representative samples 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	mg/l	Grab	Daily, during use, reported monthly
Total Dissolved Solids	mg/l	Grab	Quarterly

INFLUENT MONITORING

The influent shall be measured daily (gallons-per-day) and reported to the Regional Board monthly with average daily flow calculated.

REPORTING

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

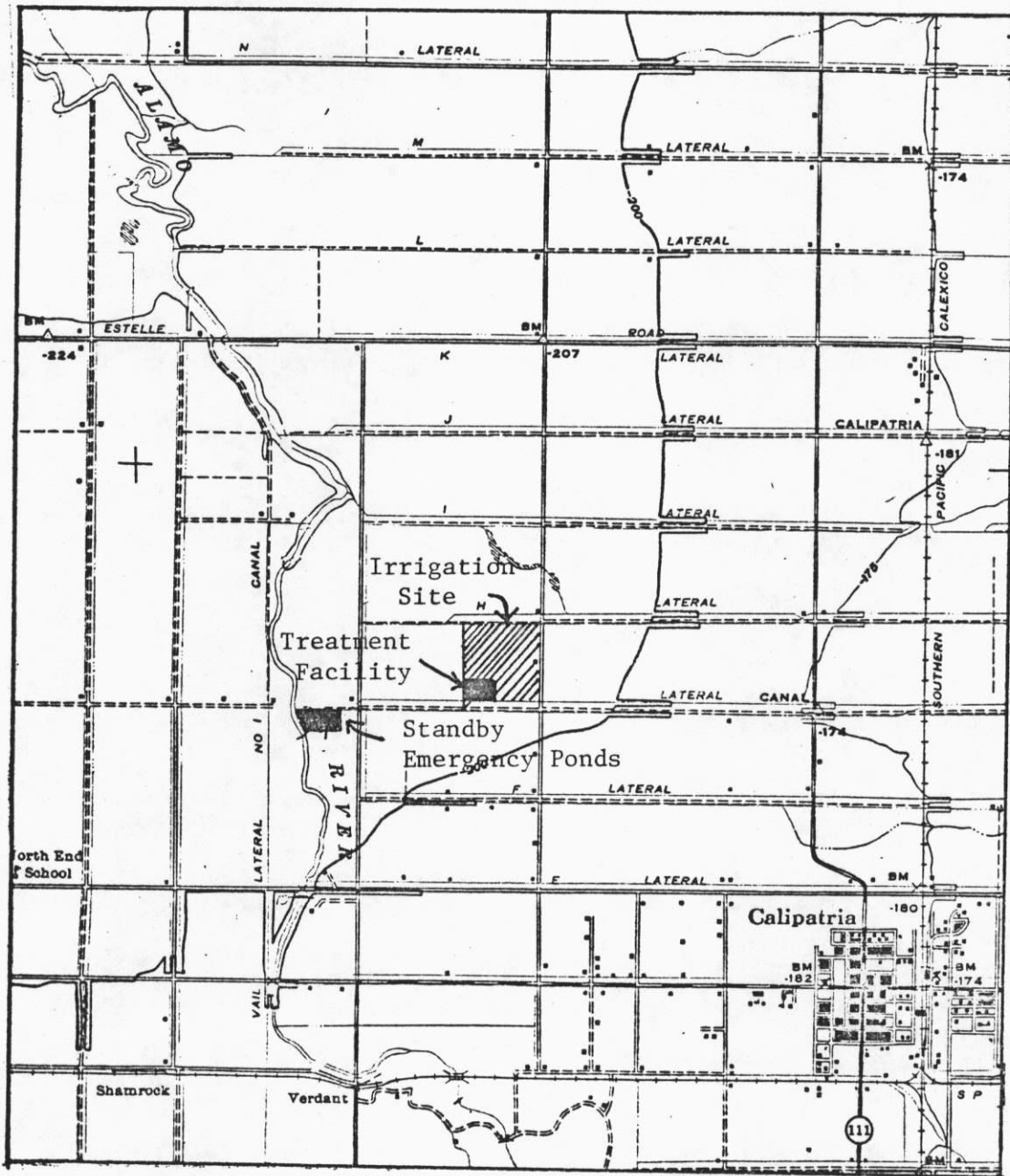
Submit monitoring reports to:

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

ORDERED BY:

Arthur Savian  
Executive Officer  
Jan. 26, 1984  
Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD - 7



Scale:  
1" = 1 mile

ATTACHMENT A

CITY OF CALIPATRIA - AGRICULTURAL IRRIGATION  
Northwest of Calipatria - Imperial County  
SE 1/4, Section 6, T12S, R14E, SBB&M  
USGS 15' Calipatria Topographic Map