

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

ORDER NO. 90-042  
NPDES NO. CA0105121

WASTE DISCHARGE REQUIREMENTS  
AND NPDES PERMIT FOR  
TIERRA DEL SOL R.V. & M.H.P.  
Southeast of El Centro - Imperial County

*revised  
by: B.L. Ord. # 96-026  
5/22/96*

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

1. Saint Clair Investments, Inc. (hereinafter referred to as the discharger), 4001 Pacific Coast Highway, No. 112, Torrance, CA 90505 submitted a National Pollutant Discharge Elimination System Application for Permit to Discharge on March 17, 1990. Said application is assigned Application No. CA0105121.
2. The discharger proposes to discharge up to 55,000 gallons-per-day of wastewater from an extended aeration package treatment plant, which is designed for an average daily flow of 55,000 gallons-per-day, into Acacia Drain No. 5 in the SW $\frac{1}{4}$  of Section 14, T16S, R14E, SBB&M. The wastewater then flows approximately 11 miles before entering the Alamo River.
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 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 waters in the Imperial Valley Drains 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)
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 Board has notified the discharger, and all known interested agencies and persons of its intent to prescribe waste discharge requirements for said discharge and has provided them with an opportunity for a public meeting and an opportunity to submit comments.
8. The Board in a public meeting heard and considered all comments pertaining to this discharge.
9. This Board Order shall serve as a National Pollutant Discharge Elimination System Permit pursuant to Section 402 of the Federal Clean Water Act, as amended, and shall take effect at the end of ten days from the 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 the regulations and guidelines adopted thereunder, shall comply with the following specifications:

A. Effluent Limitation

1. Representative samples of wastewater discharged to Acacia Drain No. 5 shall not contain constituents in excess of the following limits:

<u>Constituent</u>	<u>Unit</u>	<u>30-Day Arithmetic Mean Discharge Rate<sup>1</sup></u>	<u>7-Day Arithmetic Mean Discharge Rate<sup>2</sup></u>
20°C BOD <sub>5</sub>	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 BOD<sub>5</sub> and suspended solids shall not be less than 85 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

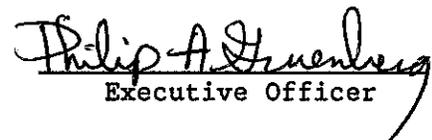
1. Wastewater discharged to Acacia Drain No. 5 shall not:
  - a. Depress the dissolved oxygen content of said Drain below 5.0 mg/l.
  - b. Cause the presence of oil, grease, scum, sludge, or solids.
2. The effluent shall not contain heavy metals, chemicals, pesticides or other constituents in concentrations toxic to aquatic life.
3. 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. The treatment or disposal of wastes at this facility shall not cause pollution or nuisance as defined in Sections 13050(l) 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. 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.
4. Sewage sludge shall not be discharged to any natural or artificial channel.
5. This Board Order includes the attached "Monitoring and Reporting Program No. 90-42", and future revisions thereto, as specified by the Executive Officer, and "Standard Provisions", dated December 23, 1985.
6. Bioassays shall be performed annually 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 6.a. shall be performed annually for a period of at least 4 years (minimum of four tests per organisms).

- c. When the program described 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's Executive Officer.
7. This Board Order expires five years from September 19, 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.
  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 of the 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. A yearly report shall be submitted to the Regional Board indicating any operational or maintenance problems.
  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 four years of remaining capacity, it shall inform the Regional Board of its plans to remedy the capacity situation.

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 September 19, 1990.

  
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 90-042  
FOR  
TIERRA DEL SOL R.V. & M.H.P.  
Southeast of El Centro - Imperial County

Location of Discharge: Acacia Drain No. 5 in the SW $\frac{1}{4}$ , Section 14, T16S, R14E, SBB&M

EFFLUENT MONITORING

Wastewater discharged into Acacia Drain No. 5 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-Hour Composite	Monthly
Suspended Solids	mg/l	24-Hour Composite	Monthly
Settleable Matter	ml/l	Grab at Peak Flow	Weekly
pH	pH Units	Grab	Weekly
Flow	Gallons/day	Average Daily Flow	Monthly
Bioassay			Annually

INFLUENT MONITORING

The wastewater influent to the treatment facilities shall be monitored for 20°C BOD<sub>5</sub> and for Suspended Solids, quarterly, using 24-Hour composite samples.

SEWAGE SLUDGE

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

PLANT OPERATION MONITORING

Activity

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

Reporting

Yearly

REPORTING

Monthly, weekly and daily 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. Annual reports shall be submitted by January 15 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

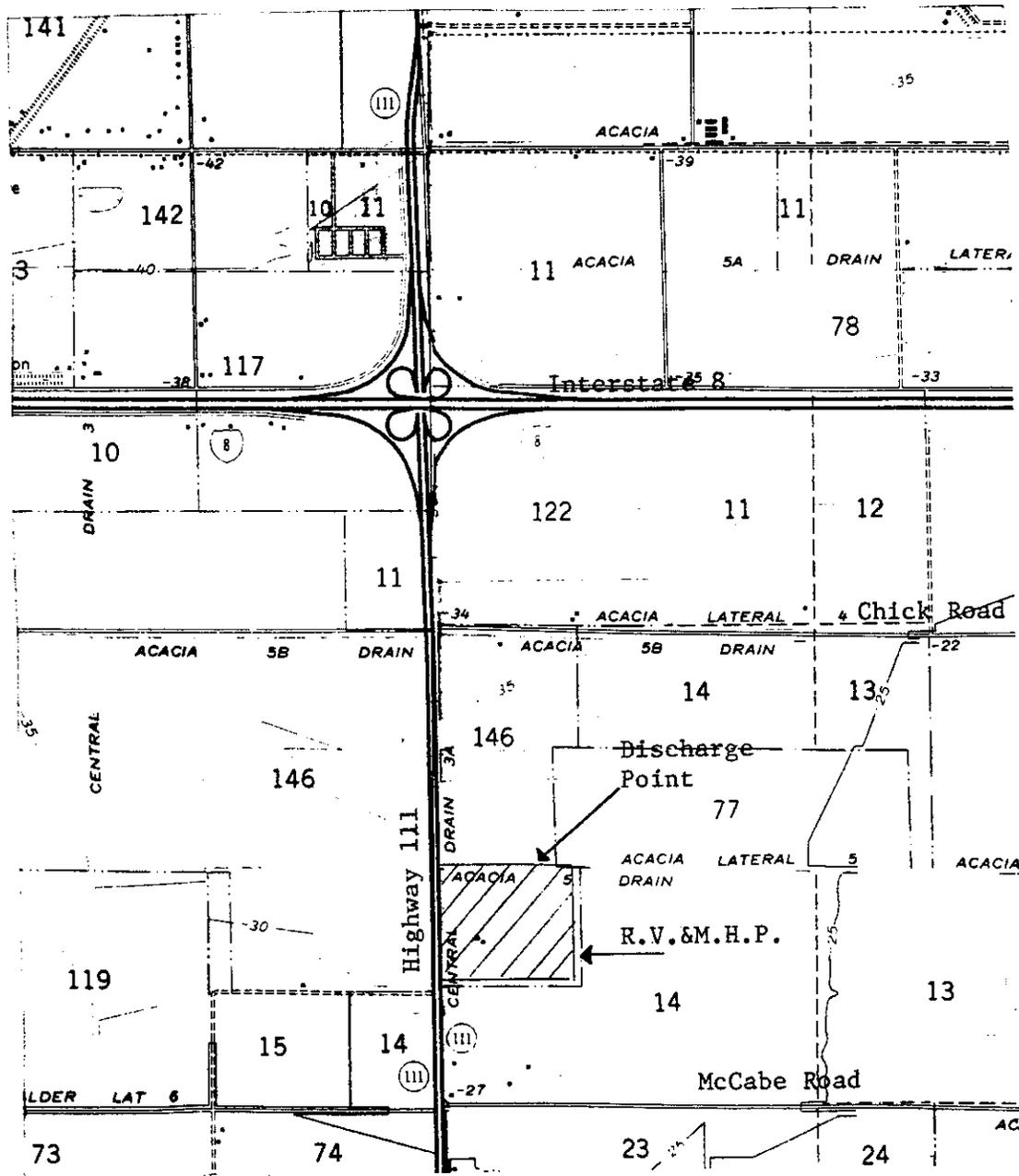
ORDERED BY:

Philip A. Greenberg  
Executive Officer

September 19, 1990

Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD - 7



**SITE MAP**

**TIERRA DEL SOL R.V. & M.H.P**  
 Southeast of El Centro - Imperial County  
 SW $\frac{1}{4}$  of Section 14, T16S, R14E, SBB&M  
 USGS El Centro & Holtville West 7.5 min  
 Topographic Map

Order No. 90-042