

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

ORDER NO. 96-035

**WASTE DISCHARGE REQUIREMENTS
FOR**

**U.S. GENERAL SERVICES ADMINISTRATION (GSA) (OWNER)
WATER QUALITY SPECIALIST OF SAN DIEGO (OPERATOR)
CALEXICO EAST BORDER CROSSING STATION
WASTEWATER TREATMENT FACILITY
East of Calexico - Imperial County**

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

1. The United States Government, General Services Administration, 880 Front Street, Suite 880, San Diego, California 92101-8843 (owner) and The Water Quality Specialist of San Diego, P.O. Box 1375, Valley Center, California 92802 (operator) (collectively hereinafter referred to as the discharger) submitted a Report of Waste Discharge for the disposal of wastewater effluent associated with operation of the proposed General Services Administration (GSA) Calexico East Border Crossing Station. Information stated below is based on the application and subsequent information submitted by the discharger.
2. The GSA Calexico East Border Crossing Station is located in the Central 1/3 of the N 1/2, of Section 13, T17S, R15E, SBB&M.
3. The discharger reports that approximately a maximum of 12,000 gallons-per-day of domestic wastewater effluent will be discharged from an activated sludge sewage treatment package plant to an evaporation/infiltration pond. The disposal capacity of the proposed pond is approximately 61,000 gallons-per-day. The evaporation pond is approximately 2.7 acres.
4. Sludge generated at the site will be dried, with all the dewatering effluent being directed to the headworks of the treatment plant.
5. The Water Quality Control Plan for the Colorado River Basin Region of California (Basin Plan) was adopted on November 17, 1993 and designates the beneficial uses of ground and surface waters in this Region.
6. The designated beneficial uses of ground waters in the Imperial Hydrologic Unit are:
 - a. Municipal supply (MUN)
 - b. Industrial supply (IND)

Within the Imperial Valley area of the Imperial Hydrologic Unit, much of the ground water is too saline for municipal use.

7. On August 4, 1993, the United States General Services Administration and the California Department of Transportation approved an Environmental Impact Statement/Environmental Impact Report pursuant to the National Environmental Policy Act (42 U.S.C. 4332(2)(c)) and the California Environmental Quality Act (Division 13, Public Resources Code). The document was assigned GSA Project No. ICA 1804 and SCH No. 92091034.

8. This Board Order prescribes waste discharge requirements to comply with current laws and regulations as set forth in the California Water Code and the California Code of Regulations.
9. Federal regulations for storm water discharges were issued by the U. S. Environmental Protection Agency on November 16, 1990 (40 Code of Federal Regulations (CFR) Parts 122, 123, and 124). In conformance with these regulations, the State Water Resources Control Board adopted a general permit for storm water discharges associated with specific categories of industrial activities, Water Quality Order No. 91-13-DWQ (as amended by Water Quality Order 92-12-DWQ), NPDES No. CAS000001, on September 17, 1992. Industrial facilities, as listed by Standard Industrial Classification and including sewage treatment plants, are required to obtain NPDES permits for their storm water discharges.
10. 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.
11. The Board in a public meeting heard and considered all comments pertaining to this discharge.

IT IS HEREBY ORDERED, that in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, the discharger shall comply with the following:

A. Effluent Limitations

1. Wastewater effluent discharged to evaporation/infiltration basins from treatment facilities shall not contain constituents in excess of the following limits:

<u>Constituent</u>	<u>Unit</u>	<u>30-Day Arithmetic Mean Discharge Rate¹</u>
20°C BOD ₅	mg/L ²	30
Total Suspended Solids	mg/L	30
Settleable Matter	ml/L ³	0.3

2. The maximum daily discharge shall not exceed 12,000 gallons-per-day.

B. Prohibitions

1. The direct discharge of any wastewater to any surface waters or surface drainage courses is prohibited.

¹30-Day Mean - The arithmetic mean of pollutant parameter values of samples collected in a period of 30 consecutive days.

²mg/L - milligrams per Liter

³ml/L - milliliters per Liter

2. Bypass or overflow of untreated or partially treated waste is prohibited.
3. The discharge of waste to land not owned or controlled by the discharger is prohibited.
4. Discharge of treated wastewater at a location or in a manner different from that described in Finding No. 3, above, is prohibited.

C. Specifications

1. As a means of determining compliance with Specification No. 1 for discharge to the evaporation/infiltration basin, the dissolved oxygen content in the upper zone (1 foot) of wastewater ponds shall not be less than 1.0 mg/L.
2. The treatment or disposal of wastes at this facility shall not cause pollution or nuisance as defined in Section 13050 of Division 7 of the California Water Code.
3. A minimum freeboard of two (2) feet shall be maintained at all times in the evaporation/infiltration pond.
4. The treatment and disposal facilities shall be protected from any washout or inundation which could occur as a result of floods having a predicted frequency of once in 100 years.
5. The pond shall be managed to prevent breeding of mosquitos, in particular,
 - a. An erosion control program should assure that small coves and irregularities are not created around the perimeter of the water surface.
 - b. Weeds shall be minimized through control of water depth, harvesting, or herbicides.
 - c. Dead algae, vegetation, and debries shall not accumulate on the water surface.
6. Public contact with undisinfected wastewater shall be precluded through such means as fences, signs, and other acceptable alternatives.
7. The discharge shall not cause degradation of any water supply.

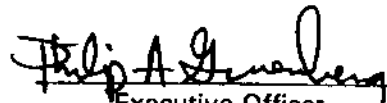
D. Provisions

1. The discharger shall comply with "Monitoring and Reporting Program No. 96-035", and future revisions thereto, as specified by the Regional Board's Executive Officer.
2. Prior to any modifications in this facility which would result in material change in the quality or quantity of wastewater treated or discharged, or any material change in the location of discharge, the discharger shall report all pertinent information in writing to the Regional Board and obtain revised requirements before any modifications are implemented.
3. Prior to any change in ownership or management of this operation, the discharger shall transmit a copy of this Board Order to the succeeding owner/operator, and forward a copy of the transmittal letter to the Regional Board.
4. The discharger shall ensure that all wastewater treatment operating personnel are familiar with the content of this Board Order, and shall maintain a copy of this Board Order at the site.

5. The discharger's wastewater treatment plant shall be supervised and operated by persons possessing certification of appropriate grade pursuant to Section 3680, Chapter 4, Division 4, Title 23 of the California Code of Regulations. The discharger shall ensure that all operating personnel are familiar with the contents of this Board Order.
6. The discharger shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) that are installed or used by the discharger to achieve compliance with this Board Order. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems which are installed by a discharger only when necessary to achieve compliance with the conditions of this Board Order.
7. The discharger shall retain records of all monitoring information including all calibration and maintenance records, copies of all reports required by this Board Order, and records of all data used to complete the application for this Board Order. Records shall be maintained for a minimum of three years from the date of the sample, measurement, or report. This period may be extended during the course of any unresolved litigation regarding this discharge or when requested by the Regional Board's Executive Officer.
8. Collected screenings, sludges, and other solids removed from liquid wastes shall be disposed of in a manner that is consistent with Chapter 15, Division 3, Title 23 of the California Code of Regulations and approved by the Regional Board's Executive Officer.
9. The discharger shall maintain a permanent log of all solids hauled away from the treatment facility for use/disposal elsewhere and shall provide a monthly summary of the volume, type (screenings, grit, raw sludge, digested sludge), use (agricultural, composting, etc.), and the destination. The sludge that is stockpiled at the treatment facility shall be sampled and analyzed for the inorganic toxic substances listed in Article 11, Title 22 of the California Code of Regulations and moisture content on an annual basis. The results of the analyses should be submitted to the Regional Board as part of the Monitoring and Reporting Program.
10. The discharger shall provide a report to the Regional Board when it determines that the plant is operating at 80 percent of the design capacity specified in Finding No. 3, above. The report should indicate what steps, if any, the discharger intends to take to provide for the expected wastewater treatment capacity necessary when the plant reaches design capacity.
11. Facilities shall be available to keep the plant in operation in the event of commercial power failure.
12. All storm water discharges from this facility must comply with the lawful requirements of municipalities, counties, drainage districts, and other local agencies, regarding discharges of storm water to storm water drain systems or other courses under their jurisdiction.
13. The discharger shall allow the Regional Board, or an authorized representative, upon presentation of credentials and other documents as may be required by law, to:
 - a. Enter upon the premises regulated by this Board Order, or the place where records must be kept under the conditions of this Board Order;
 - b. Have access to and copy, at reasonable times, any records that shall be kept under the conditions of this Board Order;

- c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Board Order; and
 - d. Sample or monitor at reasonable times, for the purpose of assuring compliance with this Board Order or as otherwise authorized by the California Water Code, any substances or parameters at this location.
14. This Board Order does not convey any property rights of any sort or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.
15. The discharger is the responsible party for the waste discharge requirements and the monitoring and reporting program for the facility. The discharger shall comply with all conditions of these waste discharge requirements. Violations may result in enforcement actions, including Regional Board Orders or court orders, requiring corrective action or imposing civil monetary liability, or in modification or revocation of these waste discharge requirements by the Regional Board.

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 June 26, 1996.


Executive Officer

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

**MONITORING AND REPORTING PROGRAM NO. 96-035 (REVISION NO. 1)
FOR**

**U.S. GENERAL SERVICES ADMINISTRATION (GSA) (OWNER)
WATER QUALITY SPECIALIST OF SAN DIEGO (OPERATOR)
CALEXICO EAST BORDER CROSSING STATION
WASTEWATER TREATMENT FACILITY
East of Calexico - Imperial County**

Location of Discharge: Center 1/3 of the N 1/2 of Section 13, T17S, R15E, SBB&M

MONITORING

1. The collection, preservation and holding times of all samples shall be in accordance with U. S. Environmental Protection Agency approved procedures. All analyses shall be conducted by a laboratory certified by the State Department of Health Services to perform the required analyses.
2. Compliance with the discharge limitations shall be determined at the end of the discharge pipe.
3. If the facility is not in operation, or there is no discharge during a required reporting period, the discharger shall forward a letter to the Regional Board indicating that there has been no activity during the required reporting period.

INFLUENT MONITORING

The wastewater influent to the treatment facilities shall be monitored for the following:

<u>Constituents</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
20°C BOD ₅	mg/L ¹	24-Hour Composite	Quarterly
Suspended Solids	mg/L	24-Hour Composite	Quarterly

¹ mg/L = milligrams-per-Liter

EFFLUENT MONITORING

A sampling station shall be established at the point of discharge and shall be located where representative samples of effluent can be obtained. Wastewater discharged into the evaporation/infiltration basin shall be monitored for the following constituents:

<u>Constituents</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Volume of Discharge	MGD ²	Average Daily ³	Continuous
20°C BOD ₅	mg/L	24-Hour Composite	Quarterly
Suspended Solids	mg/L	24-Hour Composite	Quarterly
Settleable Matter	ml/L ⁴	Grab at Peak Flow	Quarterly
Hydrogen Ion	pH Units	Grab	Quarterly
Volatile Organic Compounds (EPA Method 624)	µg/L ⁵	Grab	Annually

SLUDGE MONITORING

The discharger shall report annually on the quantity, location and method of disposal of all sludge and similar solid materials being produced at the wastewater treatment plant facility.

The sludge that is generated at the treatment facility shall be sampled and analyzed for the following:

<u>Constituents</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Arsenic	mg/kg ⁶	Grab	Annually
Cadmium	mg/kg	Grab	Annually
Chromium	mg/kg	Grab	Annually
Copper	mg/kg	Grab	Annually

² MGD = Million Gallons-per-Day

³ Reported quarterly with monthly average daily flow calculated for each month

⁴ ml/L - milliliters-per-Liter

⁵ µg/L = micrograms-per-Liter

⁶mg/kg - Milligrams per kilogram on a dry weight basis.

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Lead	mg/kg	Grab	Annually
Mercury	mg/kg	Grab	Annually
Nickel	mg/kg	Grab	Annually
Selenium	mg/kg	Grab	Annually
Zinc	mg/kg	Grab	Annually
Fecal Coliform	Most Probable Number	Grab	Annually

OPERATION AND MAINTENANCE

The discharger shall report the following:

<u>Activity</u>	<u>Reporting</u>
To inspect and document any operation/maintenance problems by inspecting each unit process	Annually

REPORTING

1. The discharger shall arrange the data in tabular form so that the specified information is readily discernible. The data shall be summarized in such a manner as to clearly illustrate whether the facility is operating in compliance with waste discharge requirements.
2. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurement(s);
 - b. The individual(s) who performed the sampling or measurement(s);
 - c. The date(s) analyses were performed;
 - d. The individual(s) who performed the analyses;
 - e. The analytical techniques or method used; and
 - f. The results of such analyses.
3. Each report shall contain the following statement:

"I declare under the penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations."

4. A duly authorized representative of the discharger may sign the documents if:
 - a. The authorization is made in writing by the person described above;
 - b. The authorization specified an individual or person having responsibility for the overall operation of the regulated disposal system; and
 - c. The written authorization is submitted to the Regional Board's Executive Officer.
5. Report immediately any failure in the waste disposal system to the Regional Board's Executive Officer and the Director of the County Environmental Health Department by telephone with follow-up by letter.
6. Monitoring reports shall be certified under penalty of perjury to be true and correct, and shall contain the required information at the frequency designated in this monitoring report.
7. Annual monitoring reports shall be submitted to the Regional Board by January 15 of each year.
8. Quarterly reports shall be submitted to the Regional Board by January 15, April 15, July 15 and October 15 of each year.
9. Submit monitoring reports to:

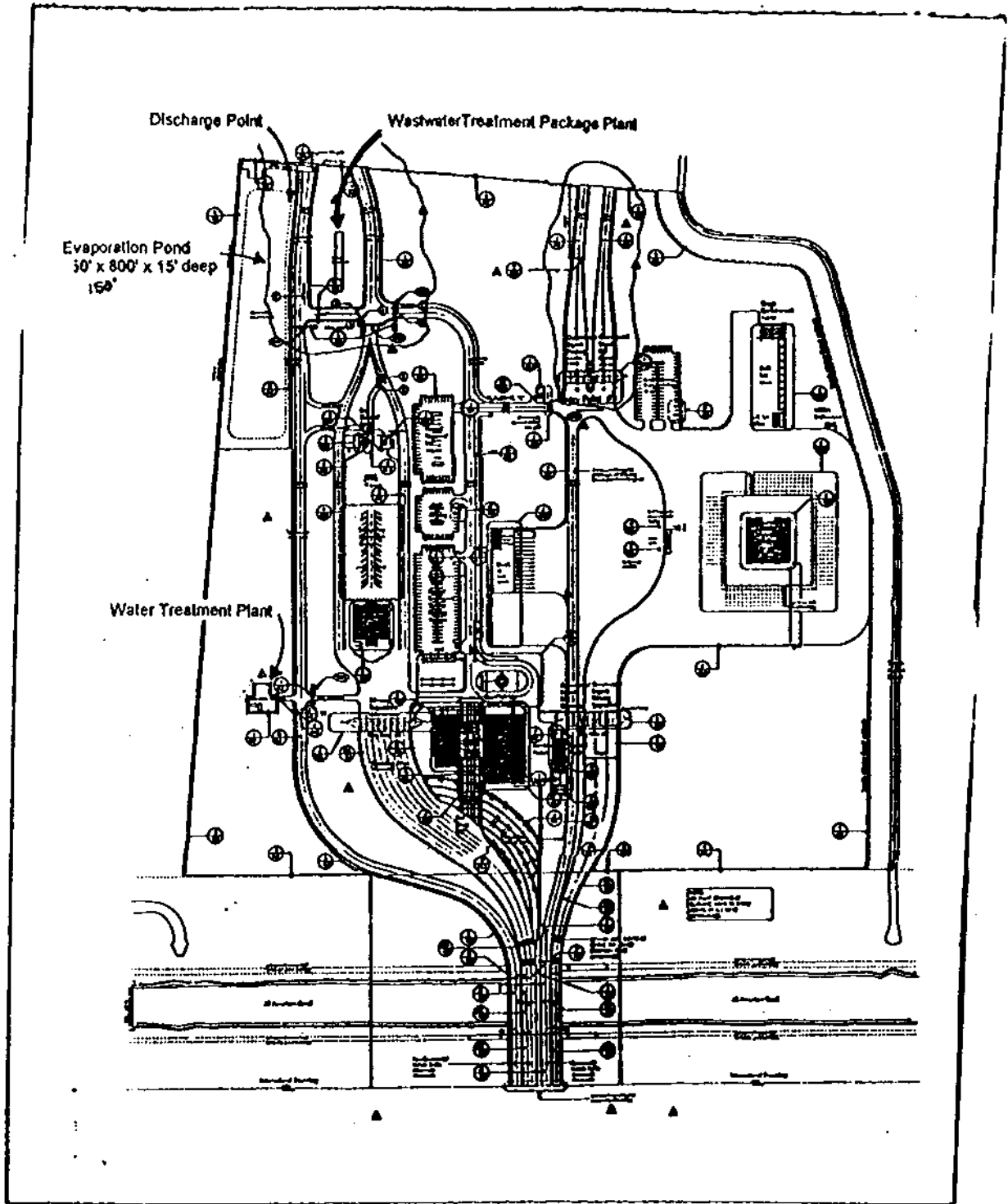
California Regional Water Quality Control Board
Colorado River Basin Region
73-720 Fred Waring, Suite 100
Palm Desert, CA 92260

Ordered by:

Philip A. Gruenberg
Executive Officer

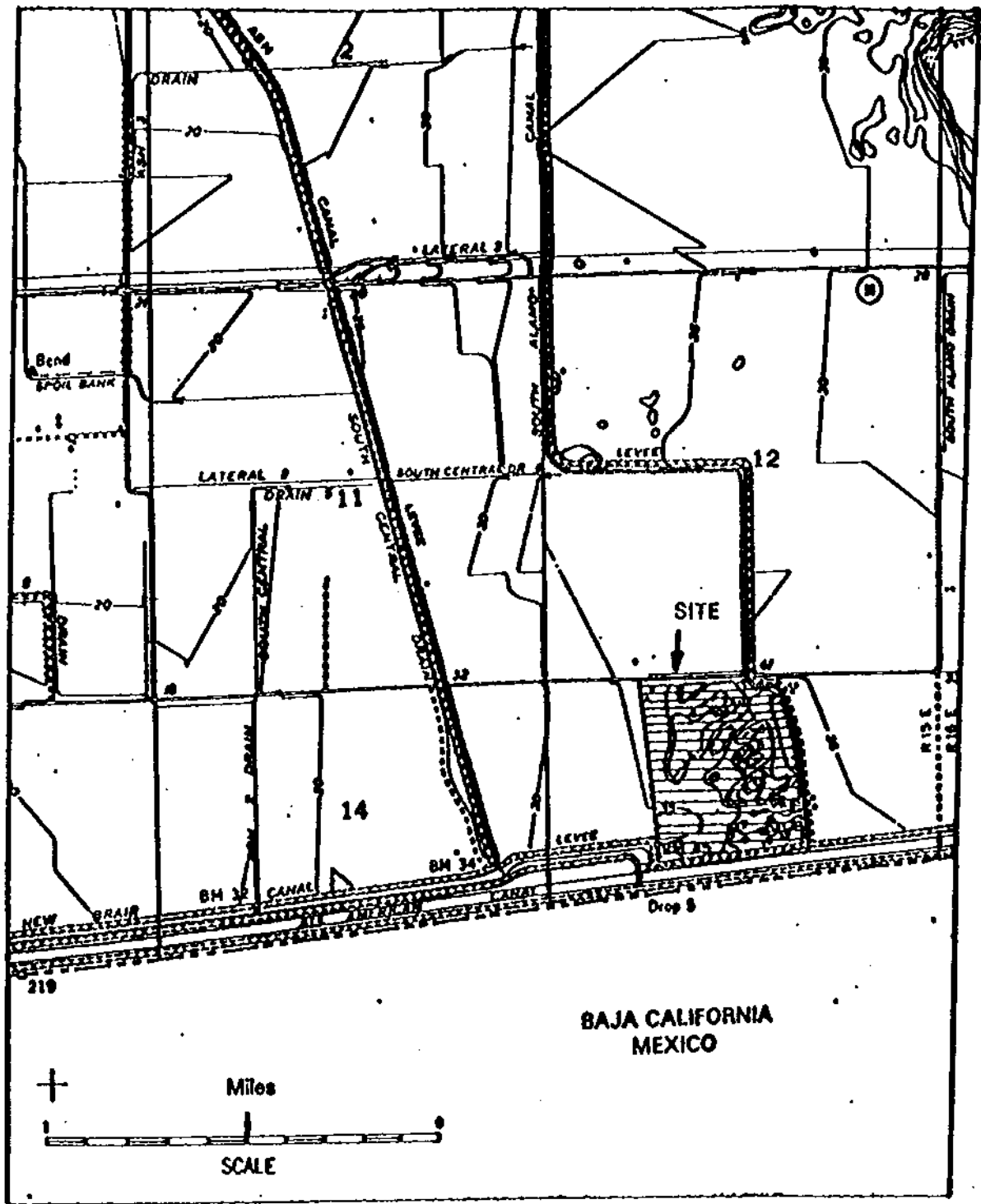
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Date



SITE MAP

U.S. GENERAL SERVICES ADMINISTRATION (GSA) (OWNER)
WATER QUALITY SPECIALIST OF SAN DIEGO (OPERATOR)
CALEXICO EAST BORDER CROSSING STATION
WASTEWATER TREATMENT FACILITY
East of Calexico - Imperial County
Discharge Location: Central 1/3, N 1/2 of Section 13, T17S, R15E, SBB&M
USGS Calexico 7.5 min. Topographic Map



AREA MAP

U.S GENERAL SERVICES ADMINISTRATION (GSA) (OWNER)
 WATER QUALITY SPECIALIST OF SAN DIEGO (OPERATOR)
 CALEXICO EAST BORDER CROSSING STATION
 WASTEWATER TREATMENT FACILITY
 East of Calexico - Imperial County
 Discharge Location: Central 1/3, N 1/2 of Section 13, T17S, R15E, SBB&M
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