

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. 93-022

WASTE DISCHARGE REQUIREMENTS
FOR
CALIFORNIA DEPARTMENT OF CORRECTIONS
McCain Valley Conservation Camp
SEPTIC TANK/OXIDATION BASIN SEWAGE FACILITIES
North of Boulevard - San Diego County

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

1. The California Department of Corrections (hereinafter referred to as the discharger), P. O. Box 1252, Boulevard, California, 91905, submitted an updated Report of Waste Discharge, dated December 21, 1992.
2. The discharger is discharging a maximum of 16,000 gallons-per-day of domestic sewage from a prison camp designed to house 150 inmates and a staff of about 30 persons. The wastewater is discharged into septic tanks below the housing and cafeteria facilities, which flow into three oxidation/infiltration basins that are alternately used. By alternating the basins, the approximate total design capacity is 19,000 gallons-per-day. These wastewater treatment and disposal facilities are located in the SE 1/4 of the SW 1/4 of Section 16, T17S, R7E, SBB&M, which has a facility address of 2550 McCain Valley Road, Boulevard, California.
3. This discharge has been subject to waste discharge requirements adopted in Board Order No. 88-009.
4. There are no domestic wells within 500 feet of the sewage treatment and disposal basins. Water is supplied via a pipeline from a domestic well located about one mile southeast of the basins. Depth to ground water is approximately 15 feet, and the Total Dissolved Solids content is about 480 mg/L.
5. The Water Quality Control Plan for the Colorado River Basin Region of California was adopted May 15, 1991 and designates the beneficial uses of ground and surface waters in this Region.
6. The designated beneficial uses of ground waters in the Anza Borrego Hydrologic Unit are:
 - a. Municipal supply (MUN)
 - b. Industrial supply (IND)
 - c. Agricultural supply (AGR)
7. The Board has notified the discharger and all known interested agencies and persons of its intent to update waste discharge requirements for this discharge.
8. The Board in a public meeting heard and considered all comments pertaining to this discharge.
9. In accordance with Section 15301, Chapter 3, Title 14 of the California Code of Regulations, the issuance of these waste discharge requirements, which govern the operation of an existing facility involving negligible or no expansion of use beyond that previously existing, is exempt from the provisions of the California Environmental Quality Act (Public Resources Code, Section 21000 et seq.).

*Replaced by
93-012*

IT IS HEREBY ORDERED, that Board Order No. 88-009 is rescinded and 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. Discharge Prohibitions

1. The direct discharge of wastes to surface or surface water drainage courses is prohibited.
2. The by-pass or overflow of untreated or partially treated waste is prohibited.

B. Discharge Specifications

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. No wastewater other than domestic wastewater shall be discharged into the sewage disposal system described in Finding No. 2, above.
3. A minimum freeboard of two (2) feet shall be maintained at all times in the basins.
4. Adequate measures shall be taken to assure that unauthorized persons are effectively excluded from contact with the wastewater.
5. Adequate measures shall be taken to assure that flood or surface drainage waters do not erode or otherwise render portions of the treatment and discharge facilities inoperable.
6. The discharger shall obtain prior written approval from the Regional Board's Executive Officer specifying location and method of disposal, before disposing of treated or untreated sludge, or similar solid waste materials. In addition, the discharger shall provide the results of any sludge analyses as specified by the Regional Board's Executive Officer.
7. There shall be no surface flow of wastewater away from the designated disposal areas.
8. Disposal by ponding shall be conducted in such a manner that there shall be no stranded or exposed sewage solids.
9. A surface aerobic environment shall be maintained in each basin.
10. Facilities shall be available to keep the disposal system in operation in the event of commercial power failure.
11. Septic tank cleanings shall be discharged only by a duly authorized service. All septage shall be disposed of in a manner approved by the Regional Board's Executive Officer.
12. The discharge of wastes to surface waters of surface water drainage courses is prohibited.
13. The total dissolved solids (TDS) content of the wastewater in the oxidation basins shall not exceed 400 mg/L above the TDS of the water supply well.
14. Ponds 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.

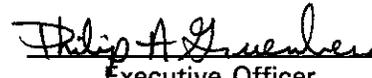
- c. Dead algae, vegetation, and debris shall not accumulate on the water surface.
15. Public contact with undisinfected wastewater shall be precluded through such means as fences, signs, and other acceptable alternatives.
 16. Ponds shall have sufficient capacity to accommodate allowable wastewater to flow and design seasonal precipitation and ancillary inflow and infiltration during the nonirrigation season. Design seasonal precipitation shall be based on total annual precipitation using a return period of 100 years, distributed monthly in accordance with historical rainfall patterns.

C. Provisions

1. 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.
2. The discharger shall comply with "Monitoring and Reporting Program No. 93-022", and future revisions thereto, as specified by the Regional Board's Executive Officer.
3. The discharger shall ensure that all site operating personnel are familiar with the content of this Board Order.
4. The discharger shall remove and relocate any wastes which are discharged at this site in violation of these requirements.
5. The discharger may be required to submit technical reports as directed by the Regional Board's Executive Officer.
6. The discharger must comply with all conditions of this Board Order, including timely submittal of technical and monitoring reports as directed by the Regional Board's Executive Officer. Violations may result in enforcement action, including Regional Board or court orders requiring corrective action or imposing civil monetary liability, or in revision or rescission of this Board Order.
7. A copy of this Board Order shall be kept at the discharge facility for reference by operating personnel. Key operating personnel shall be familiar with its contents.
8. The Board will review this Board Order periodically and may revise requirements when necessary.
9. Objectionable odors originating at this facility shall not be perceivable beyond the limits of the wastewater treatment and disposal area.
10. The discharger shall allow the Regional Board's Executive Officer, or his/her authorized representative, upon the presentation of credentials and other documents as may be required by law, to:
 - a. Enter upon the discharger's premises where a regulated facility or activity is located or conducted, or facilities where records must be kept under the conditions of this Board order.
 - b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Board Order. Inspect and sample or monitor, at reasonable times, any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Board Order.

11. The discharger shall allow the Executive Officer, or his/her authorized representative to sample or monitor influent, effluent, and sludge for the purposes of determining compliance with this Board Order and other applicable requirements.

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 31, 1993.


Executive Officer

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

**MONITORING AND REPORTING PROGRAM NO. 93-022
FOR
CALIFORNIA DEPARTMENT OF CORRECTIONS
McCAIN VALLEY CONSERVATION CAMP
SEPTIC TANK/OXIDATION BASIN SEWAGE FACILITIES
North of Boulevard - San Diego County**

Location of Discharge: Portion of SE 1/4, SW 1/4 of Section 16, T17S, R7E, SBB&M

MONITORING

1. The discharger shall submit the following information in an annual status report:
 - a. Estimate total maximum daily flow (gpd) of sewage discharged to basins.
 - b. List any proposed changes during the coming year.
 - c. Explain any problems in the sewage treatment and disposal system during the preceding year.
 - d. Number of persons presently discharging to the sewerage system.
 - e. The total dissolved solids concentration of the water supply well¹.
2. The oxidation basins shall be sampled quarterly during March, June, September and December, and annually during November of each year. The samples shall be analyzed for the following:

<u>Parameters and Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Reporting Frequency</u>
Total Dissolved Solids	mg/L ²	Grab	Quarterly
Volatile Organics (EPA Methods 601 and 602)	µg/L ³	Grab	Annually ⁴
Nitrate as NO ₃ -N	mg/L	Grab	Annually
Total Nitrogen	mg/L	Grab	Annually

¹Annual samples shall be collected during November

²mg/L: Milligrams per Liter

³µg/L: Micrograms per Liter

⁴Annual samples shall be collected during November

The collection, preservation and holding times of all samples shall be in accordance with EPA-approved procedures. All analyses shall be conducted by a laboratory certified by the State Department of Health Services to perform the required analyses.

REPORTING

1. Quarterly monitoring reports shall be submitted to the Regional Board by January 15, April 15, July 15, and October 15 of each year.
2. Annual reports shall be submitted to the Regional Board by January 15th of each year.
3. The discharger shall arrange the data in tabular form so that the date, the constituents, and other specified information are readily discernible. The data shall be summarized in such manner as to clearly illustrate the facility is operating in compliance with waste discharge requirements.
4. 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 program.

5. Submit reports to:

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

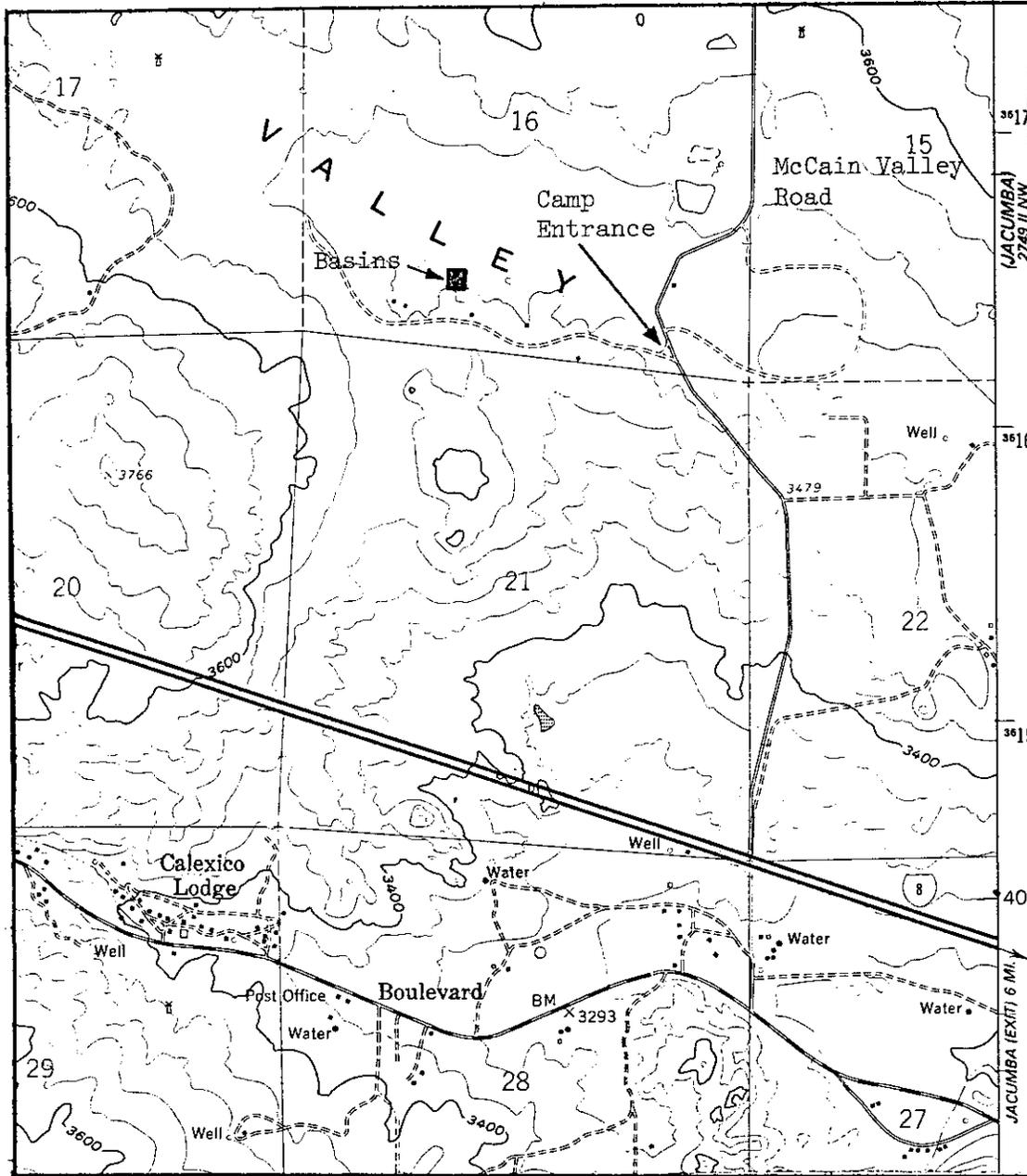
6. Report immediately any failure in the sewerage system by telephone and follow up by letter.

Ordered by: Philip A. Greenberg
Executive Officer

March 31, 1993

Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD - 7



SITE MAP

CALIFORNIA DEPARTMENT OF CORRECTIONS
McCAIN VALLEY CONSERVATION CAMP
SEPTIC TANK/OXIDATION BASIN SEWAGE FACILITIES
North of Boulevard - San Diego County
SE 1/4, SW 1/4 of Section 16, T17S, R7E, SBB&M
USGS Live Oak Springs 7.5 min. Topographic Map

Order No. 93-022

