CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD COLORADO RIVER BASIN REGION

ORDER NO. 85-74

WASTE DISCHARGE REQUIREMENTS FOR COACHELLA VALLEY WATER DISTRICT LA QUINTA WASTEWATER RECLAMATION FACILITY La Quinta - Riverside County

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

- 1. Coachella Valley Water District (hereinafter also referred to as the discharger), P. O. Box 1058, Coachella, California, 92236, submitted an updated Report of Waste Discharge, dated May 23, 1985, for expansion of the La Quinta Wastewater Reclamation Facility.
- 2. The discharger proposes to expand a wastewater treatment facility to have a design flow of 300,000 gallons-per-day by adding a waste stabilization basin to the existing facilities, which consist of three (3) waste stabilization basins. Treated wastewater would be used to irrigate 34 acres of alfalfa. These facilities are located in the NE¹/₄ of the SE¹/₄ of Section 6, T6S, R7E, SBB&M.
- 3. The discharger is currently discharging a peak month average daily flow of 104,000 gallons-per-day and a peak week average daily flow of 148,000 gallons-per-day into the existing basins, which are designed to treat 150,000 gallons-per-day.
- 4. The discharger reports that the plant site area is underlain by deep alluvium, which is chiefly composed of deposits of fine and very fine sands, loam and clay. However, stratified layers of fine sandy loam with low permeability separate the upper aquifer, which is higher in salts and not used for domestic purposes, from the lower aquifer containing good quality water.
- 5. There are no domestic or agricultural wells within 500 feet of the sewage treatment and disposal facilities described in Finding No. 2 (above). The discharger reports that depth to groundwater in the lower aquifer has varied from about 78 feet to 86 feet in a nearby well with little change over the past five (5) years. The record of ground water quality, as indicated by a total dissolved solids concentration of 132 mg/l and a nitrate concentration of 1.88 mg/l, of this well which is located $\frac{1}{4}$ mile to the northwest of the treatment facility shows the same values in 1984 as in 1981.
- 6. The discharge from this sewage treatment facility has been subject to waste discharge requirements adopted in Board Order No. 81-92.

Rescinded 9/17/86/ by 86-66 18

- 7. The Water Quality Control Plan for the Colorado River Basin Region of California was adopted by the Regional Board on November 14, 1984. The Basin Plan contains water quality objectives for the Coachella Hydrologic Subunit.
- 8. The beneficial uses of the deeper groundwater in this portion of the Coachella Hydrologic Subunit are:
 - a. Municipal supply
 - b. Industrial supply
 - c. Agricultural supply
- 9. The Board has notified the discharger and interested agencies and persons of its intent to update waste discharge requirements for the discharge.
- 10. The Board in a public meeting heard and considered all comments pertaining to the discharge.
- 11. The Coachella Valley Water District's Board of Directors has approved a Negative Declaration (filing date July 23, 1985) for the proposed expansion of facilities. The Regional Board has reviewed this Negative Declaration. The below waste discharge requirements are designed to assure against any significant adverse effects on water quality.
- IT IS HEREBY ORDERED, the discharger shall comply with the following:
- A. Discharge Specifications
 - 1. Neither the treatment nor the discharge of wastewater shall create a pollution or a nuisance as defined in Division 7 of the California Water Code.
 - 2. No wastewater other than domestic sewage shall be discharged at this location.
 - 3. A minimum depth of freeboard of at least two (2) feet shall be maintained in the basins.
 - 4. Treated or untreated sludge, or similar solid waste materials, shall be disposed only at locations approved by the Regional Board.
 - 5. Adequate measures shall be taken to assure that unauthorized persons and animal pets are effectively excluded from contact with the discharge.
 - 6. 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.
 - 7. The discharge of wastewater shall be confined to land owned or controlled by the discharger, and there shall be no discharge to any drainage channel.
 - 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 commercial power failure.
- 10. Treatment and discharge of wastewater shall be conducted by technical procedures which will maintain a surface aerobic environment.
- 11. Infiltration facilities shall be maintained and operated so as to maximize infiltration and minimize the increase in salinity of the wastewater discharge.
- 12. Reclaimed water used for the surface or spray irrigation of fodder, fiber and seed crops shall have a level of quality no less than that of primary effluent. Primary effluent is defined as the effluent from a wastewater treatment process which provides removal of sewage solids so that it contains not more than 0.5 milliliter per liter per hour of settleable solids as determined by an approved laboratory method.

B. Provisions

- 1. Prior to any modifications in this facility which could 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 the attached "Monitoring and Reporting Program No. 85-74", and future revisions thereto, as specified by the Executive Officer.
- 3. In the event of any change in control or ownership of land or waste disposal facilities described herein, the discharger shall:
 - a. Notify this Board of such change; and
 - b. Transmit a copy of this Order to the succeeding owner or operator, and file a copy of the transmittal letter with this Board.
- 4. This Order supersedes Board Order No. 81-92.

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 <u>August 7, 1985</u>.

tun Swajian Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 85-74 FOR COACHELLA VALLEY WATER DISTRICT LA QUINTA WASTEWATER RECLAMATION FACILITY La Quinta - Riverside County

Location of Waste Stabilization Basins and Discharge Field: NE^{$\frac{1}{4}$}, SE^{$\frac{1}{4}$} of Section 6, T6S, R7E, SBB&M

MONITORING

Wastewater beneficially reused for fodder, fiber and seed crops shall be monitored for the following:

Constituent	Unit	Type of Sample	Sampling Frequency
Settleable Solids	mg/l	Grab	Weekly
Quantity of wastewater discharged to facility	gallons/day	Flow Measurement	Daily*
Dissolved Oxygen	mg/l	Grab	Weekly**

*For each day with average monthly flow calculated. **Each containment basin.

The quality of water in each of the following wells shall be monitored at least once each year for Total Dissolved Solids, Chloride (Cl), Sulfate (SO_4) , Nitrate (NO_3) and Phosphate (P).

State Well Numbers

06S07E06B01S 06S07E05F01S 06S07E05L01S 06S07E08D03S 06S07E08D03S

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REPORTING

Monitoring data shall be submitted to the Regional Board by the 15th of the following month for both daily and weekly reports. Annual monitoring reports shall be submitted by January 15 of each year.

Forward 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: Executive Officer

August 7, 1985 Date



SITE MAP

COACHELLA VALLEY WATER DISTRICT LA QUINTA WASTEWATER RECLAMATION FACILITY La Quinta - Riverside County NE¹, SE¹ of Section 6, T6S, R7E, SBB&M USGS La Quinta 7.5 min. Topographic Map Scale: 1"=2,000'

N.

Order No. 85-74



SEWAGE DISPOSAL FACILITIES SKETCH CVWD LA QUINTA WASTEWATER RECLAMATION FACILITY