CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. 85-29

WASTE DISCHARGE REQUIREMENTS
FOR
RIVERSIDE COUNTY SERVICE AREA NO. 51
LAKE TAMARISK
Northeast of Desert Center - Riverside County

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

1. Riverside County Service Area No. 51 (hereinafter also referred to as the discharger), P. O. Box 316, Desert Center, California, 92239, verified, via the wastewater facilities operator on January 8, 1985, that the information in Finding No. 2 (below) is accurate.

2. The discharger is discharging wastes from a residential development, which consists of 70 houses, 147 mobile home and recreational vehicle spaces and a laundry room, as follows:

   a. A maximum average daily flow of 44,000 gallons-per-day of domestic sewage is treated in mechanically aerated oxidation basins and discharged into infiltration basins located in the N½, NE¼, NE¼ of Section 14, T5S, R15E, SBB&M.

   b. A maximum daily flow of 80,000 gallons-per-day of defluoridation process wastewater, containing high concentrations of fluorides, is discharged into evaporation basins located in the SW¼, NE¼ of Section 14, T5S, R15E, SBB&M. This wastewater is discharged periodically only during a regeneration cycle into these evaporation basins, which are lined with a 10 mil polyethylene liner.

   c. During a regeneration cycle, a maximum daily flow of 135,000 gallons-per-day of defluoridation process wastewater, containing low concentrations of fluorides, is periodically spread over desert land located in the SW¼, NE¼ of Section 14, T5S, R15E, SBB&M.

3. The discharger states that wastewater from two (2) swimming pools and a hot pool is periodically discharged into the sewage treatment and disposal facilities.

4. The discharges from this facility have been subject to waste discharge requirements adopted in Board Order No. 78-2.

replaced by 90-034

5. 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 Chuckwalla Hydrologic Unit.

6. The beneficial uses of the ground waters of the Chuckwalla Hydrologic Unit are:

    a. Municipal supply
    b. Industrial supply
    c. Agricultural supply

7. The Board has notified the discharger and interested agencies and persons of its intent to update waste discharge requirements for the discharges.

8. The Board in a public meeting heard and considered all comments pertaining to the discharges.

9. These waste discharge requirements govern existing facilities, which the discharger is currently operating, and therefore are exempt from the provisions of the California Environmental Quality Act in accordance with Section 15301 of Title 14, Chapter 3 of the California Administrative Code.

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

A. Discharge Specifications

1. The increase in concentration of the fluoride constituent in the infiltration basins shall not be more than 0.6 mg/l above the average value of the water delivered for domestic purposes.

2. There shall be no discharge of sewage wastewater within 500 feet of any water supply well.

3. A minimum depth of freeboard of at least two (2) feet shall be maintained in the oxidation and infiltration basins.

4. There shall be no surface flow of sewage away from the designated disposal area.

5. Treated or untreated sludge, or similar solid waste materials, shall be disposed only at locations approved by the Regional Board.

6. Adequate measures shall be taken to assure that unauthorized persons and animal pets are effectively excluded from contact with the discharge.

7. Treatment and disposal by ponding shall be conducted in such manner that there shall be no stranded or exposed sewage solids.

8. Treatment and discharge of wastewater shall be conducted by technical procedures which will maintain a surface aerobic environment.

9. Infiltration facilities shall be maintained and operated so as to maximize infiltration and minimize the increase in salinity of the wastewater discharge.

10. No wastewater other than domestic sewage and swimming and hot pool wastewater shall be discharged at the location described in Finding No. 2.a. (above).

DEFLUORIDATON PROCESS WASTEWATER

11. During the defluoridation regeneration cycle, the discharge of wastewater to other than containment basins whose permeability does not exceed 1×10^{-8} cm/sec. is prohibited until the fluoride concentration of the discharging wastewater drops below 8 mg/l.

12. Sludge or wastewater shall be removed from the containers described in Specification No. 11 (above) and discharged at a location approved by the Regional Board when the freeboard of the basin is less than two (2) feet.

13. No wastewater other than defluoridation process wastewater, as described in Finding No. 2 b. and c. (above), shall be discharged at this location.

B. Provisions

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. Facilities shall be available to handle wastewater in the event of commercial power failure.

3. Adequate protective works shall be provided to assure that a flood which would be expected to occur on a frequency of once in a 100-year period would not erode or otherwise render portions of the treatment and discharge facilities inoperable.

4. Prior to any modifications in these facilities 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.

5. The discharger shall comply with the attached "Monitoring and Reporting Program No. 85-29", and future revisions thereto, as specified by the Executive Officer.

6. 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.

7. This Order supersedes Board Order No. 78-2.

8. The discharger's wastewater treatment facilities shall be supervised and operated by persons possessing certificates of appropriate grade pursuant to Chapter 3, Subchapter 14, Title 23, California Administrative Code.

9. Upon termination of the defluoridation operations, the discharger shall submit a closure plan to the Regional Board's Executive Officer for approval; and shall cleanup and otherwise restore the area in accordance with said approved plan.

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 March 13, 1985.

Arthur Swajian
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 85-29
FOR
RIVERSIDE COUNTY SERVICE AREA NO. 51
LAKE TAMARISK
Northeast of Desert Center - Riverside County

Location of Discharge: N½, NE¼, NE¼ of Section 14, T5S, R15E, SBB&M

SEWAGE EFFLUENT

Sewage wastewater discharged to infiltration basins shall be sampled at the point of discharge to said basins. The sewage effluent shall be monitored for the following:

Constituent	Unit	Type of Sample	Sampling Frequency
Total Dissolved Solids	mg/l	Grab	Monthly
Fluoride (F)	mg/l	Grab	Monthly
Flow	Gallons/Day	Average Daily	Monthly

DEFLUORIDATION PROCESS WASTEWATER DISCHARGED TO LAND

The wastewater discharged to land during each caustic regeneration cycle shall be sampled for fluoride prior to the discharge to determine compliance with Discharge Specification No. 11 of this Order.

The volume of wastewater discharged to land during each regeneration cycle shall be recorded.

This monitoring data shall be submitted quarterly.

DEFLUORIDATION PROCESS WASTEWATER DISCHARGED TO IMPERVIOUS BASINS

Samples shall be taken from each impervious basin. The monitoring program shall be as follows:

Constituent	Unit	Sampling Frequency
Liquid surface of basins (total)	Acres	Quarterly
Liquid depth in each basin	Feet	Quarterly
Wastewaters discharged to each basin	Acre Feet/ Quarter	Quarterly
Total Dissolved Solids in each basin	mg/l	Annually
Water balance accounting for all liquids delivered to each basin	Acre Feet	Annually
Wastes removed from each basin	Gallons or Tons	Annually

WATER SUPPLY

The water supply shall be monitored for the following:

Constituent	Unit	Type of Sample	Sampling Frequency
Fluoride (F)	mg/l	Grab	Quarterly

REPORTING

Monitoring reports shall be submitted as follows:

Monthly - by the 15th day of the following month.
Quarterly - by January 15, April 15, July 15, and October 15 of each year.
Annually - by January 30 of each year.

The water balance shall be calculated annually and submitted by January 30 of the following year. Reports on wastes removed from basins shall be submitted upon completion of removal.

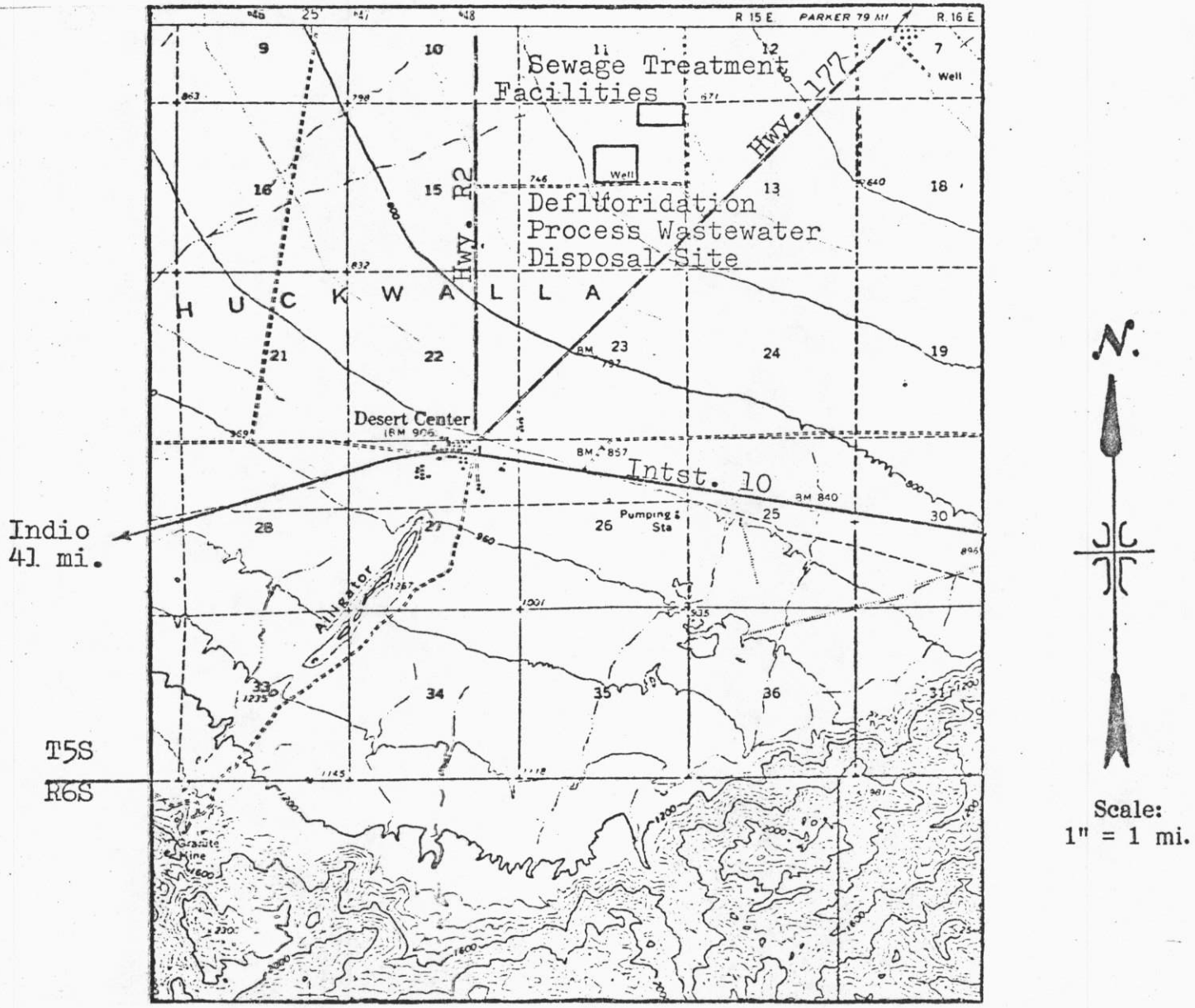
Forward monitoring reports to:

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

ORDERED BY: Arthur Levyman
Executive Officer

March 13, 1985
Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD - 7



SITE MAP

RIVERSIDE COUNTY SERVICE AREA NO. 51, LAKE TAMARISK
Northeast of Desert Center - Riverside County
Location of Discharge: N½, NE¼, NE¼, Section 14, T5S, R15E, SBB&M
Location of Defluoridation Discharge: SW¼, NE¼, Section 14, T5S, R15E, SBB&M
USGS Chuckwalla Mountains 15 min. Topographic Map

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