

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

ORDER NO.95-048

**WASTE DISCHARGE REQUIREMENTS
FOR
RIVERSIDE COUNTY, OWNER/OPERATOR
SERVICE AREA 51, TAMARISK PARK
DOMESTIC/PROCESS WASTEWATER DISPOSAL PONDS
Northeast of Desert Center - Riverside County**

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

1. Riverside County, (hereinafter referred to as the discharger), Service Area 51, 26251 Parkview Drive, Desert Center, CA 92239, owner/operator of the wastewater treatment facility, submitted an updated Report of Waste Discharge, dated December 23, 1994.
2. The discharger is discharging a maximum of 36,000 gallons-per-day (GPD) of domestic wastewater from a residential development consisting of seventy six houses, 150 mobile home space, two swimming pools, one hot pool, one church, one library and a fire station. The average daily flow is about 27,000 GPD. The design capacity of the facility is 44,000 GPD.
3. Wastewater is treated at two mechanically aerated ponds and two settling ponds in succession. From the settling ponds wastewater flows to four percolation/evaporation basins used in rotation. The discharge ponds are located in the N 1/2, NE 1/4, of Section 14, T15S, R15E, SBB&M as indicated in the attached site map, incorporated herein and made a part of this Board Order.
4. Supply water for the development is pumped from three wells and treated for excess fluoride. Defluoridation is done at a on-site plant using two activated alumina adsorption columns. These columns are regenerated once a month to restore the adsorption capacity.
5. During the once a month regeneration cycle of the process water plant, a maximum daily flow of 215,000 GPD of defluoridation processed wastewater is discharged in two different locations. About 80,000 GPD of processed water with fluoride concentration over 7.6 mg/L, is discharged into three 10 mil polyethylene lined basins located in the SW 1/4, NE 1/4 of the Section 14, T5S, R15E, SBB&M. About 135,000 GPD of processed water with fluoride concentration below 7.6 mg/L is discharged on desert lands located in the SW 1/4, NE 1/4 of Section 14, T5S, R15E, SBB&M for disposal.
6. The discharger has reported that there are no domestic wells within 500 feet of the discharge facility. Depth of the ground water table is at 266 feet. Fluoride concentration in the ground water is 7.6 mg/L.
7. This discharge has been subject to waste discharge requirements adopted in Board Order No. 90-034
8. This Board Order updates the 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. 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.
10. The beneficial uses of ground waters in the Chuckwalla Hydrologic Unit are:
 - a. Municipal supply (MUN)
 - b. Industrial supply (IND)
 - c. Agricultural supply (AGR)
11. The Board has notified the discharger and all known interested agencies and persons of its intent to update waste discharge requirements for said discharge and has provided them with an opportunity for a public meeting and an opportunity to submit comments.
12. The Board in a public meeting heard and considered all comments pertaining to this discharge.
13. 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.).

IT IS HEREBY ORDERED, that Board Order No. 90-034 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. Effluent Limitations

1. The pH of the effluent at the wastewater treatment ponds shall be maintained between 6.0 to 9.0.
2. Wastewater flow to the evaporation/percolation ponds shall not exceed 44,000 gallon-per-day.

B. Discharge Prohibitions

1. The direct discharge of any waste to any surface waters or surface drainage courses is prohibited.
2. Bypass or overflow of untreated or partially treated waste is prohibited.
3. The discharge of waste containing any carcinogen or reproductive toxin listed by the Governor pursuant to Health and Safety Code Sections 25249.5 through 25349.13, the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65), where such chemical passes, or may pass, into any source of drinking water is prohibited.
4. Discharge of treated wastewater at a location or in a manner different from that described in Findings No. 2, 3, and 5 above, is prohibited.
5. The discharger shall not accept waste in excess of the design treatment capacity of the disposal system.
6. The discharge of waste to land not owned or controlled by the discharger is prohibited.

7. No wastewater other than the wastewater generated from the facility shall be discharged into the evaporation/percolation ponds.

C. 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. The facility shall be protected from any washout or erosion of wastes or covering material, and from any inundation which could occur as a result of floods having a predicted frequency of once in 100 years.
3. There shall be no surface flow of wastewater away from the discharge facility.
4. A minimum depth of freeboard of two (2) feet shall be maintained at all times in the evaporation-percolation ponds.
5. Solids and settled materials shall be disposed of in a manner that will not result in pollution or nuisance as defined by the California Water Code.
6. Adequate measures shall be taken to maintain aerobic conditions at the ponds.
7. Ponds shall be managed to prevent breeding of mosquitoes, 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.
8. Public contact with undisinfected wastewater shall be precluded through such means as fences, signs, and other acceptable alternatives.

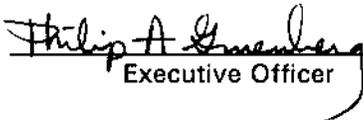
D. Provisions

1. The discharger shall comply with "Monitoring and Reporting Program No.95-048", 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. Wastewater effluent discharged to the seepage pits shall not contain nitrate or hazardous substances including Volatile Organic Compounds (VOCs) in concentrations which can cause degradation of the underlying ground water.

5. In the case that sample analyses indicate that the concentration of nitrate or hazardous substances including VOCs exceeds the MCL established for drinking water, the discharger is required to resample the wastewater within 30 days of the date of the initial sampling results. If the resampling results also exceed the MCL of nitrate or any hazardous substances including VOCs, the discharger is required to perform a subsurface investigation to determine any impacts to the ground water and/or soils, if necessary. If a subsurface investigation is necessary, the discharger is required to submit a workplan to perform the investigation. The workplan must be prepared by a qualified professional who is acceptable to the Regional Board's Executive Officer and is familiar with performing this type of work. The workplan should be submitted to the Regional Board's Executive Officer for approval within 90 days of the date of the resampling results.
6. The discharger shall ensure that all site operating personnel are familiar with the content of this Board Order, and shall maintain a copy of this Board Order at the site.
7. This Board Order does not authorize violation of any federal, state, or local laws or regulations.
8. Facilities shall be available to keep the plant in operation in the event of commercial power failure.
8. 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.
10. The discharger shall comply with all of the conditions of this Board Order. Any noncompliance with this Board Order constitutes a violation of the Porter-Cologne Water Quality Control Act and is grounds for enforcement action.
11. The Regional Board will review this Order periodically and may revise requirements when necessary.
12. 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.

13. The discharger shall comply with the following:
 - a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
 - b. The discharger shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this Board Order, and records of all data used to complete the application for this Board Order, for a period of at least 5 years from the date of the sample, measurement, report or application. This period may be extended by request of the Regional Board's Executive Officer at any time.
 - c. Records of monitoring information shall include:
 1. The date, exact place, and time of sampling or measurements.
 2. The individual(s) who performed the sampling or measurements.
 3. The date(s) analyses were performed.
 4. The individual(s) who performed the analyses.
 5. The results of such analyses.
14. Unless otherwise approved by the Regional Board's Executive Officer, all analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health Services. All analyses shall be conducted in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants", promulgated by the United States Environmental Protection Agency.
15. All regulated disposal systems shall be readily accessible for sampling and inspection.
16. 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.
17. All maintenance performed shall be reported with the monitoring reports as required.
18. The discharger may be required to submit technical reports as directed by the Regional Board's Executive Officer.

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 28, 1995.


Executive Officer

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

**MONITORING AND REPORTING PROGRAM NO. 95-048
FOR
RIVERSIDE COUNTY, OWNER/OPERATOR
SERVICE AREA 51, TAMARISK PARK
DOMESTIC/PROCESS WASTEWATER DISPOSAL PONDS
Northeast of Desert Center - Riverside County**

Location of Discharge: Infiltration Basins - N 1/2, NE 1/4, of Section 14, T5S, R15, SBB&M
Impervious Basins - SW 1/4, NE 1/4 of Section 14, T5S, R15E, SBB&M
Discharge to Land - SW 1/4, NE 1/4 of Section 14, T5S, R15, 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.
4. The discharger shall submit the following information in an annual status report:
 - a. Estimate of maximum daily flow (gpd) of discharge to ponds.
 - b. Number of house(s), units and restroom(s) connected to the sewerage system.
 - c. List proposed changes in the sewage disposal facilities during the coming year.
 - d. Explain any problem(s) in the sewage treatment and disposal system during the preceding year.

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 infiltration basins shall be monitored for the following constituents:

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sample Frequency</u>
Total Dissolved Solids	mg/L	Grab	Quarterly

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sample Frequency</u>
Fluoride	mg/L	Grab	Quarterly
20°C BOD ₅	mg/L ¹	24-Hr. Composite	Annually
Suspended Solids	mg/L	24-Hr. Composite	Annually
Settleable Matter	ml/L ²	Grab at Peak Flow	Annually
Hydrogen Ion	pH Units	Grab	Annually
Volatile Organics	µg/L ³	Grab	Annually
Nitrate as NO ₃ -N	mg/L	Grab	Annually
Total Nitrogen	mg/L	Grab	Annually

DEFLUORIDATION PROCESS WASTEWATER DISCHARGED TO LAND

1. The wastewater discharged on desert land during each regeneration cycle shall be sampled for fluoride prior to the discharge to determine compliance with Fluoride limits described in Finding No. 5. of this Board Order.
2. The volume of wastewater discharged on desert land during each regeneration cycle shall be recorded.
3. This monitoring data shall be submitted quarterly.

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.

¹mg/L - milligrams per Liter

²ml/L - milliliters per Liter

³µg/L - micrograms per Liter

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 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 and the Director of the County Environmental Health Department by telephone with follow-up by letter.

6. Note any changes in the operating procedure for the season.

7. 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.

8. Annual monitoring reports shall be submitted to the Regional Board by January 15 of each year.

9. Quarterly monitoring reports shall be submitted to the Regional Board by January 15, April 15, July 15, and October 15 of each year.

10. Submit monitoring reports to:

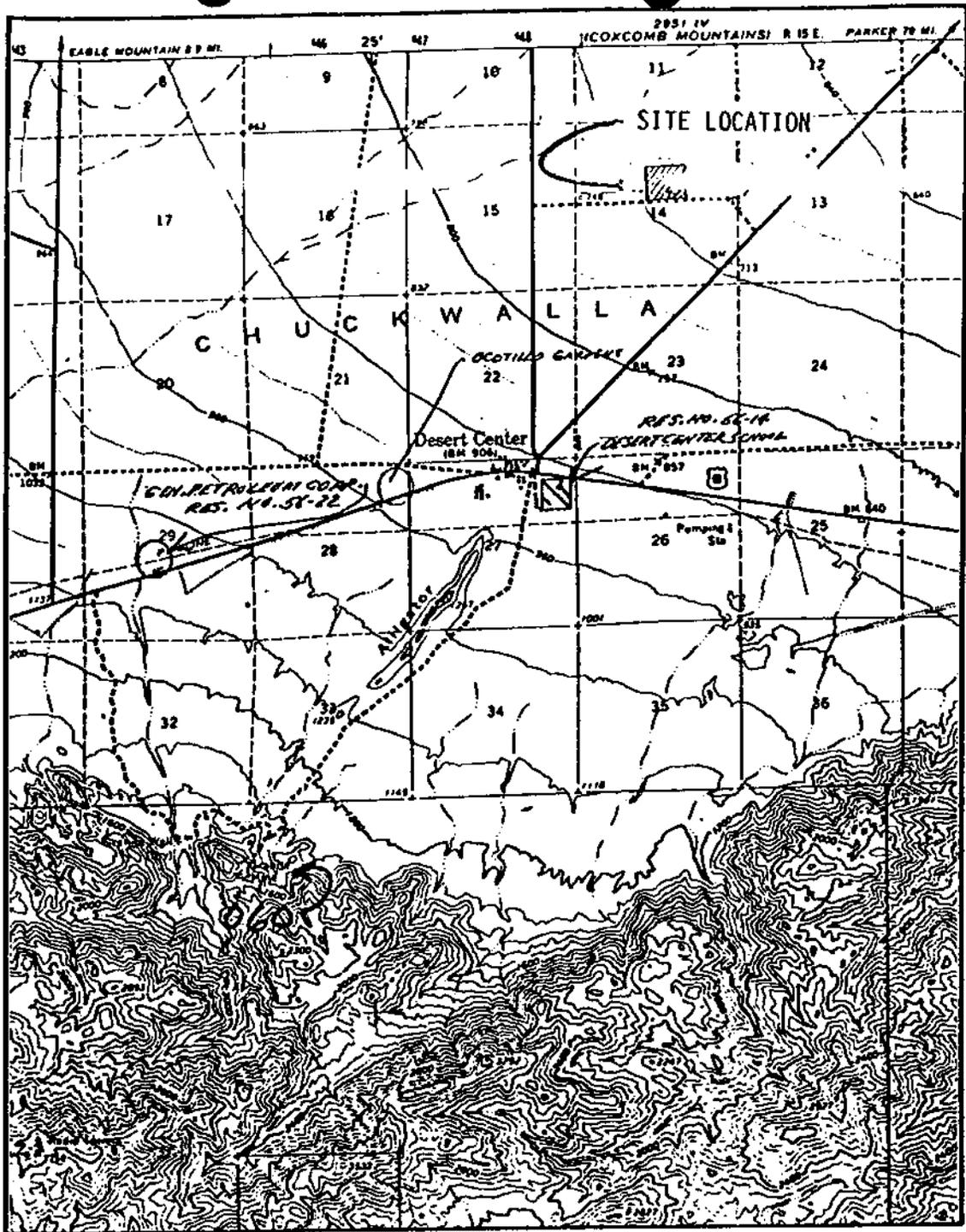
California Regional Water Quality Control Board
Colorado River Basin Region
73-720 Fred Waring, Suite 100
Palm Desert, CA 92260

Ordered by:


Executive Officer

June 28, 1995

Date



SITE MAP

RIVERSIDE COUNTY SERVICE AREA 51, OWNER/OPERATOR
 DOMESTIC/PROCESS WASTEWATER DISPOSAL PONDS
 Northeast of Desert Center - Riverside County
 Infiltration Basins - N 1/2 NE 1/4 of Section 14, T5S, R15E, SBB&M
 Impervious Basin - SW 1/4, NE 1/4 of Section 14, T5S, R15E, SBB&M
 Discharge to Land - SW 1/4, NE 1/4 of Section 14, T15S, R15E, SBB&M
 USGS Chukwalla Mountains 15 min. Topographic Map

