

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

ORDER NO. 89-046

WASTE DISCHARGE REQUIREMENTS  
FOR  
MESA BLUFFS WASTEWATER TREATMENT FACILITY  
Northwest of Blythe - Riverside County

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

1. Mesa Ranch Mutual Water Company, Inc. (hereinafter referred to as the discharger), P.O. Box 488, Ripley, CA 92272, submitted a Report of Waste Discharge, dated December 31, 1988.
2. The discharger proposes to discharge domestic sewage from a housing development that would contain 284 mobile home spaces, 96 condominium and apartment units and 491 single family units. Initially a maximum of 100,000 gallons-per-day would be discharged into a temporary package treatment plant that would discharge into four percolation basins, which would be alternated periodically to maximize infiltration. This facility would be operated from four to six months while a permanent activated sludge (extended aeration) treatment plant is being constructed. The permanent treatment plant would have a design flow of 250,000 gallons-per-day, and would continue discharging into the percolation basins noted above. The basins would be disked periodically to restore infiltration capacity, and would be located in the SE $\frac{1}{4}$ , NE $\frac{1}{4}$ , SE $\frac{1}{4}$  of Section 1, T6S, R22E, SBB&M.
3. There are no domestic wells within 500 feet of the discharge facilities described in Finding No. 2 (above).
4. The Water Quality Control Plan for the Colorado River Basin Region of California was adopted by the Regional Board on November 14, 1984.
5. The Basin Plan delineates the location of discharge to be in the Colorado Hydrologic Unit, which has the following beneficial uses of ground water:
  - a. Municipal supply
  - b. Industrial supply
  - c. Agricultural supply

However, shallow groundwater in the discharge area is not beneficially used for consumptive purposes, since the total dissolved solids concentration exceeds the California Secondary Drinking Water Standards in accordance with Article 8 of Chapter 15 of Title 22 of the California Code of Regulations.

*Received*  
*10/15/94*

6. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the proposed discharge.
7. The Board in a public meeting heard and considered all comments pertaining to the proposed discharge.
8. The Riverside County Planning Commission approved Environmental Impact Report S.P. 120-E (filing date January 13, 1975) for the proposed development. The Regional Board has reviewed this environmental document. 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. Representative samples of wastewater discharged to infiltration basins shall not contain constituents in excess of the following limits:

<u>Constituent</u>	<u>Unit</u>	<u>30-Day Arithmetic Mean Discharge Rate</u>	<u>7-Day Arithmetic Mean Discharge Rate</u>
20°C BOD <sub>5</sub>	mg/l	30	45
Suspended Solids	mg/l	30	45
Settleable Matter	ml/l	0.3	0.5

2. No wastewater other than domestic sewage and swimming pool and hot pool wastewater from this development shall be discharged at this location.
3. A minimum depth of freeboard of at least 2 feet shall be maintained in the infiltration basins.
4. Treated or untreated sludge, or similar solid waste materials, shall be disposed only at locations approved by the Executive Officer.
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. There shall be no surface flow of wastewater away from the designated disposal areas.

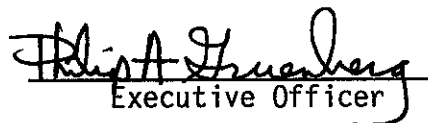
8. There shall be no discharge, bypass, or flow of treated or untreated wastewater to any drainage channel which drains to surface waters.
9. Adequate protective facilities shall be provided to insure that blow sand will not accumulate in the treatment and disposal facilities.
10. Treatment and disposal by ponding shall be conducted in such a manner that there shall be no stranded or exposed sewage solids.
11. Facilities shall be available to handle wastewater in the event of commercial power failure.
12. Treatment and discharge of wastewater shall be conducted by technical procedures which will maintain a surface aerobic environment.
13. Infiltration facilities shall be maintained and operated so as to maximize infiltration and minimize the increase in salinity of the wastewater discharge.
14. The maximum daily flow shall not exceed 100,000 gallons-per-day for the temporary treatment plant, and 250,000 gpd upon commencement of operation of the permanent plant.
15. The increase of total dissolved solids in the treated wastewater over that contained in the community water supply shall not exceed 400 mg/l.

B. Provisions

1. Neither the treatment nor the discharge of wastewater shall create pollution or nuisance as defined in Division 7 of the California Water Code.
2. 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.
3. The discharger shall comply with the attached "Monitoring and Reporting Program No. 89-046", and future revisions thereto, as specified by the Executive Officer.
4. In the event of any change in operation, or in control or ownership of land or waste disposal facilities owned or controlled by the discharger, 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.

5. The discharger's wastewater treatment plant shall be supervised and operated by persons possessing certification of appropriate grade pursuant to Subchapter 14, Chapter 3 of Title 23 of the California Code of Regulations.

I, Phil 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, 1989.

  
Executive Officer

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

MONITORING AND REPORTING PROGRAM NO. 89-046  
FOR  
MESA BLUFFS WASTEWATER TREATMENT FACILITY  
Northwest of Blythe - Riverside County

Location of Discharge: SE $\frac{1}{4}$ , NE $\frac{1}{4}$ , SE $\frac{1}{4}$  of Section 1, T6S, R22E, SBB&M

The discharger shall report monitoring data to the Regional Board in accordance with the following schedule:

EFFLUENT MONITORING

1. Wastewater discharged from the sewage treatment plant to the infiltration basins shall be monitored for the following:

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
20°C BOD <sub>5</sub>	mg/l	Grab at Peak Flow	Weekly
Suspended Solids	mg/l	Grab at Peak Flow	Weekly
Settleable Matter	ml/l	Grab at Peak Flow	Daily
Flow (Total Plant Effluent)	Gallons/ day	Flow Measurement	Daily

2. Wastewater contained in infiltration basins shall be monitored for the following:

Total Dissolved Solids	mg/l	Grab	Quarterly
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WATER SUPPLY TO THE COMMUNITY

Total Dissolved Solids	mg/l	Grab	Monthly
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REPORTING

Monitoring data shall be submitted to the Regional Board as follows:

Annual reports - by January 15 of the following year.

Quarterly reports - by January 15, April 15, July 15, and October 15 of each year.

Daily data - Reported monthly by the 15th day of the following month.

Reports shall be submitted to the Regional Board at the below address:

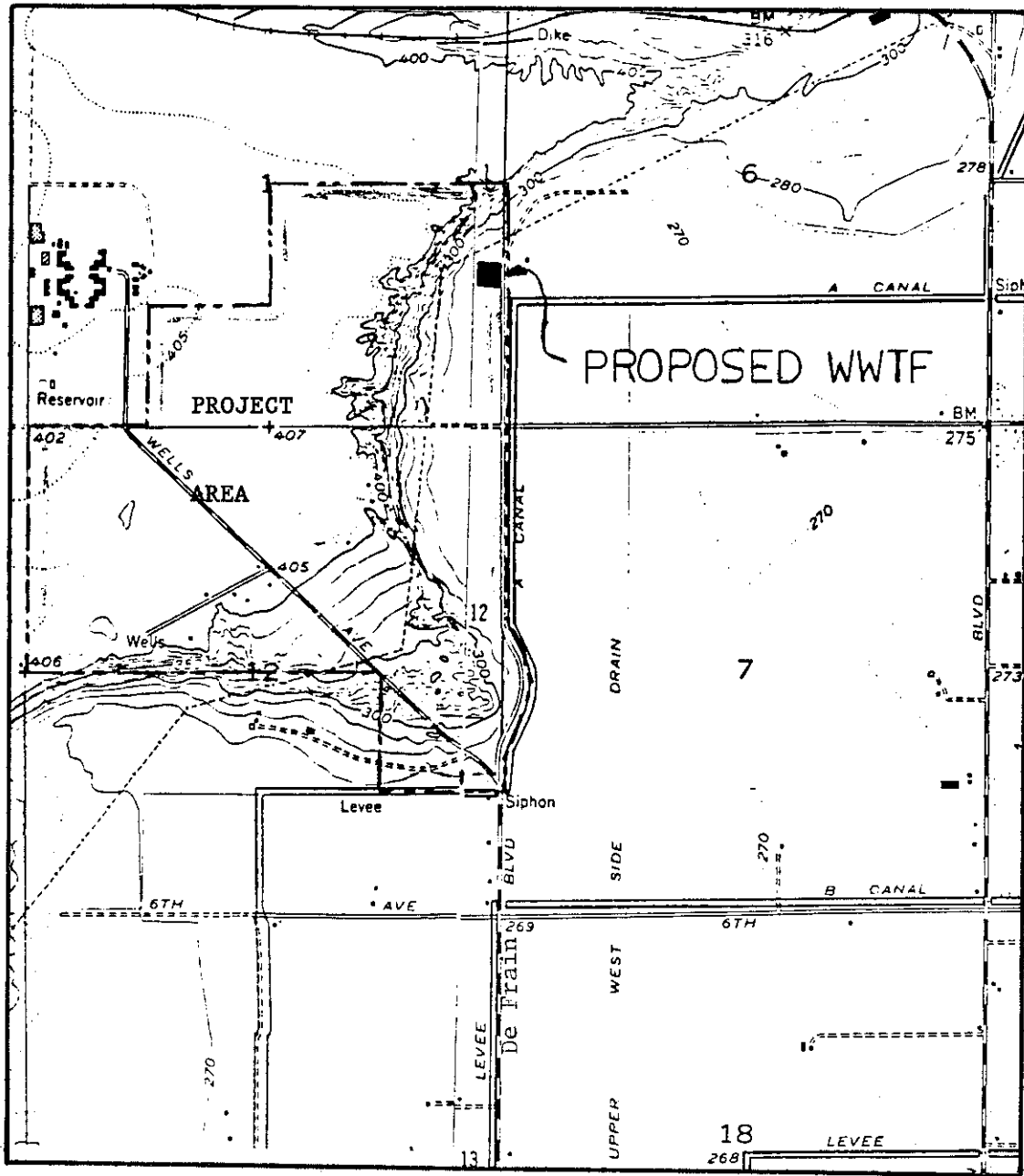
California Regional Water Quality Control Board  
Colorado River Basin Region  
73-271 Highway 111, Suite 21  
Palm Desert, CA 92260

ORDERED BY:

Philip A. Greenberg  
Executive Officer

June 28, 1989

Date



SITE MAP

MESA BLUFFS WASTEWATER TREATMENT FACILITY  
Northwest of Blythe - Riverside County  
SE $\frac{1}{4}$ , NE $\frac{1}{4}$ , SE $\frac{1}{4}$  of Section 1, T6S, R22E, SBB&M  
USGS McCoy Wash and Blythe NE 7.5 min. Topographic Maps

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