

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

**ORDER NO. 86-69**

**WASTE DISCHARGE REQUIREMENTS  
FOR  
VALLEY DEHYDRATING COMPANY, INC.  
LEAF PROTEIN CONCENTRATE PLANT  
East of El Centro - Imperial County**

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

1. Valley Dehydrating Company, Inc., a subsidiary of Atlantic Richfield Company (hereinafter also referred to as the discharger), 1701 Bowker Road, El Centro, California, 92243, submitted a Report of Waste Discharge, dated September 11, 1986.
2. The discharger proposes to increase the disposal area by about 30 acres and the discharge from an alfalfa processing plant to a maximum of 260,000 gallons-per-day of evaporator condensate. This wastewater is discharged into a storage basin that is lined with on-site clay and designed for a capacity of 4.6 million gallons. The discharger also discharges a maximum of 30,000 gallons-per-day of wastewater consisting of boiler blowdown, ion exchange regeneration wastes, activated carbon and filter backwash wastes, and organic material from scrubber blowdown and process area drains into a one (1) million gallon clay-lined wastewater treatment basin. Floating surface aerators in this basin provide mixing and aeration. The wastewater from each basin is blended together in a pit, and pumped for irrigation (with the additional field) of about 60 acres of alfalfa fields in the western and northern portions of the project property. There is no discharge of wastewater to drains and there are no tile underdrains in the disposal areas. Tailwater is collected in two (2) sumps and returned to either of the wastewater basins. Supply water needed for the plant processes is provided by Imperial Irrigation District via the Acacia Canal and stored on-site in a one (1) million gallon clay-lined storage pond. The disposal areas are located in the N $\frac{1}{2}$  of Section 12, T16S, R14E, SBB&M.
3. The discharger is discharging domestic sewage from about 50 employees and wastewater from non-process area floor drains into a septic tank/leach line system.
4. The discharges from this alfalfa processing plant have been subject to waste discharge requirements adopted in Board Order No. 85-45.
5. The Water Quality Control Plan for the Colorado River Basin Region of California was adopted by the Regional Board on November 14, 1984.

*Rescinded  
5/17/89*

6. The beneficial uses of the ground waters of the Imperial Hydrologic Unit are municipal and industrial supply. However, shallow ground waters at the discharge location are saline and are not beneficially used, and deep ground waters are highly saline and are being investigated for geothermal development.
7. The Board has notified the discharger and interested agencies and persons of its intent to revise waste discharge requirements for the discharges.
8. The Board in a public meeting heard and considered all comments pertaining to the discharges.
9. Imperial County Planning Commission approved Negative Declaration EA No. 1606-84 on December 12, 1984, for this alfalfa processing plant. The Regional Board has reviewed this Negative Declaration. The following 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

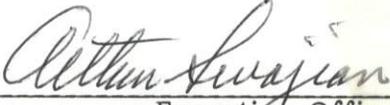
1. Neither the treatment nor the discharge of wastewater shall create a pollution or a nuisance as defined in Division 7 of the California Water Code.
2. The discharged wastewater including tailwater shall not enter any rivers, canals, drainage channels, or drains (including subsurface drainage systems) which could provide flow or seepage to Salton Sea.
3. A minimum freeboard of at least two (2) feet shall be maintained in each wastewater containment basin.
4. 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.
5. Wastewater is to be discharged to only those basins described in Finding No. 2, and only in the volumes, compositions and methods of disposal described therein.
6. Sludge or other materials removed from basins shall be discharged at a disposal site approved by the Regional Board to receive this waste.

B. Provisions

1. Prior to any modifications of this facility which would 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 "Monitoring and Reporting Program No. 86-69", and future revisions thereto, as specified by the Executive Officer.
3. Prior to an emergency discharge of any concentrated process wastes into the clay-lined wastewater treatment basin, the discharger shall notify the Regional Board by phone (619) 346-7491, and by a follow-up letter providing an estimate of the expected retention time and a description of the proposed plan for disposal.
4. 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.
5. This Order supersedes Board Order No. 85-45.

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 November 19, 1986.

  
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Executive Officer

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

MONITORING AND REPORTING PROGRAM NO. 86-69  
FOR  
VALLEY DEHYDRATING COMPANY, INC.  
LEAF PROTEIN CONCENTRATE PLANT  
East of El Centro - Imperial County

Location of Discharge: N½ of Section 12, T16S, R14E, SBB&M

MONITORING

The discharger shall sample monthly and report to the Regional Board the following results:

1. The total dissolved solids (TDS) in mg/l in the wastewater blending pit just prior to discharge onto the field.
2. The total dissolved solids (TDS) in mg/l in the tailwater return flow sumps.

REPORTING

The monthly monitoring reports shall be submitted to the Regional Board by the 15th day of each succeeding month.

Forward monitoring reports to:

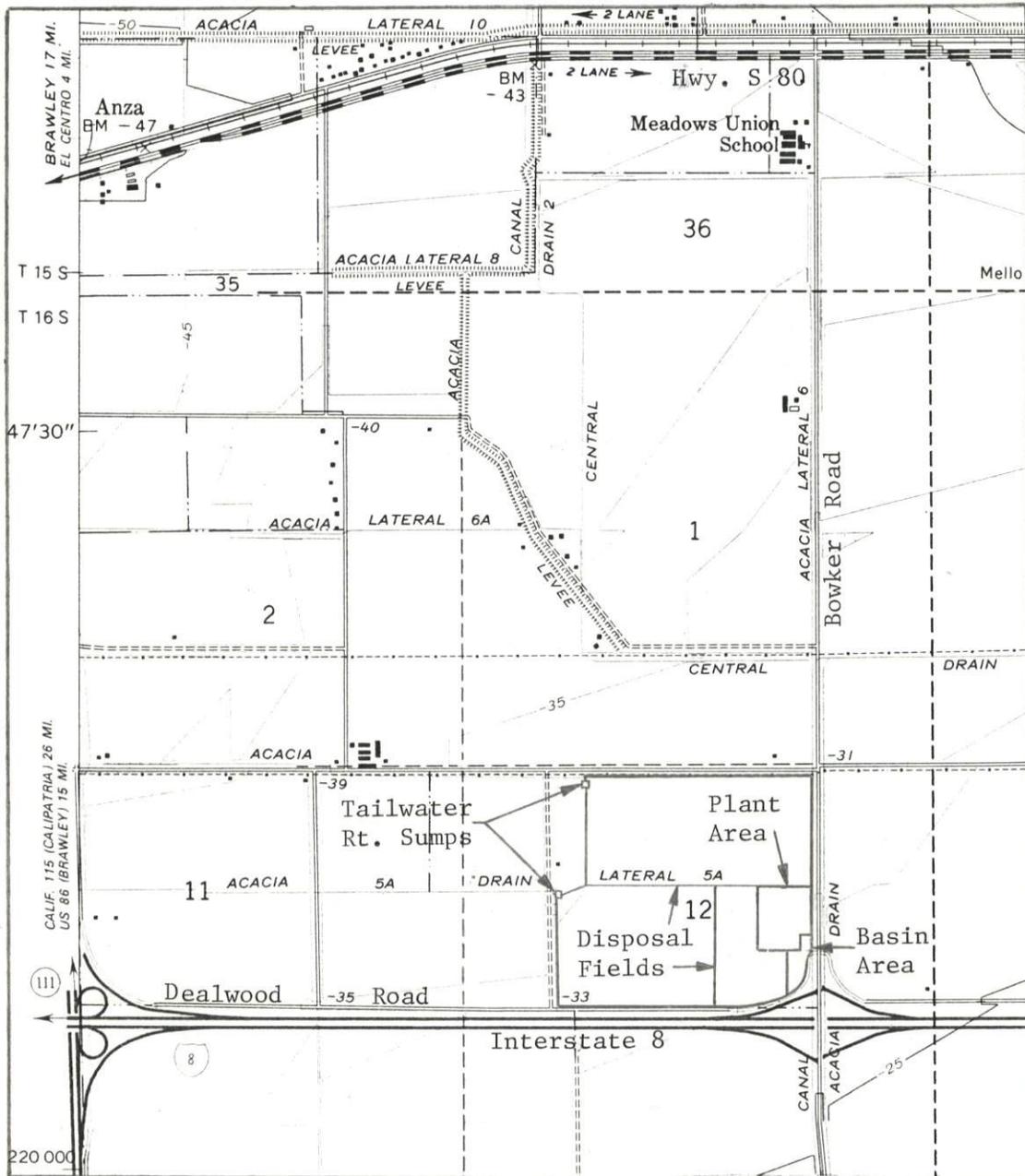
California Regional Water Quality Control Board  
Colorado River Basin Region  
73-271 Highway 111, Suite 21  
Palm Desert, CA 92260

ORDERED BY:

*Arthur Sevajian*  
Executive Officer

November 19, 1986  
Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD -7



Scale:  
1" = 2000'

SITE MAP

VALLEY DEHYDRATING COMPANY, INC.  
LEAF PROTEIN CONCENTRATE PLANT  
East of El Cento - Imperial County  
N $\frac{1}{2}$  of Section 12, T16S, R14E, SBB&M  
USGS Holtville West 7.5 min. Topographic Map

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