

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

ORDER NO. 85-45

**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), c/o Robert E. L. Tolbert, President, P. O. Box 2679 - T.A. Ap 4361, Los Angeles, California, 90071, submitted a Report of Waste Discharge, dated February 21, 1985.
2. The discharger proposes to discharge from an alfalfa processing plant a maximum of 240,000 gallons-per-day of evaporator condensate into a wastewater storage basin that would be lined with on-site clay and designed for a capacity of 4.6 million gallons. The discharger also proposes to discharge 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 would provide mixing and aeration. The wastewater from each basin would be blended together in a pit, and pumped for irrigation of about 30 acres of alfalfa fields in the western portion of the project property. There would be no discharge to drains and there are no tile underdrains in the disposal area. Tailwater would be collected in a sump and returned to either of the wastewater basins. Supply water needed for the plant processes would be provided by Imperial Irrigation District via the Acacia Canal and stored on-site in a one (1) million gallon clay-lined storage pond. The project is located in the SW $\frac{1}{4}$  of the NE $\frac{1}{4}$  of Section 12, T16S, R14E, SBB&M.
3. The discharger proposes to discharge domestic sewage from about 50 employees and also, wastewater from non-process area floor drains, into a septic tank/leach line system.
4. 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 Imperial Hydrologic Unit.
5. 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.

*Superseded  
by  
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6. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the proposed discharges.
7. The Board in a public meeting heard and considered all comments pertaining to the proposed discharges.
8. Imperial County Planning Commission approved Negative Declaration EA No. 1606-84 on December 12, 1984, for this proposed 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

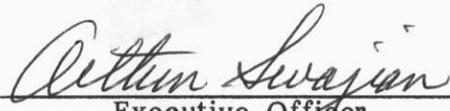
1. Neither the treatment nor the discharge of wastewater shall create a pollution or a nuisance as defined in Division 7 of the California Water Code.
2. The discharged wastewater including tailwater shall not enter any rivers, canals, drainage channels, or drains (including subsurface drainage systems) 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 disposal 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.

B. Provisions

1. Upon request from this Board's Executive Officer, the discharger shall furnish technical and/or monitoring reports on the treatment and discharge of waste.
2. Prior to any modifications in 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.

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.

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 May 22, 1985.

  
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD -7



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 Scale:  
 1"=2,000'

SITE MAP

VALLEY DEHYDRATING COMPANY, INC.  
 LEAF PROTEIN CONCENTRATE PLANT  
 East of El Centro - Imperial County  
 SW 1/4, NE 1/4 of Section 12, T16S, R14E, SBB&M  
 USGS Holtville West 7.5 min. Topographic Map

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