

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

ORDER NO. 87-83

**WASTE DISCHARGE REQUIREMENTS
FOR
PACIFIC MOLASSES COMPANY
Calipatria - Imperial County**

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

1. Pacific Molasses Company, (hereinafter also referred to as the discharger) P.O. Box 1559, Calipatria, California, 92233, verified to be accurate the updated information in Finding No. 2 on July 29, 1987 through the Company's plant manager.
2. The discharger's plant extracts soybean and cotton seed oils from soapstocks which the discharger sells as an additive for animal feedstocks. The extraction process utilizing water, sulfuric acid and heat also generates wastewater with an acid content of about 5 per cent. The discharger proposes to discharge a maximum of two (2) million gallons-per-year of acidic wastewater into four (4) unlined earthen basins (with a total volumetric capacity of 6 million gallons) as follows: The acidic wastewater, temporarily stored in two (2) fiber glass tanks would be pumped first to a holding basin (also called basin No. 1) for oil and water separation. From the holding basin the wastewater would be pumped successively to three (3) basins (also called basin No. 2,3 and 4) for final disposal by infiltration and evaporation. The basins would contain limestone which would neutralize the acid in the wastewater and in turn be converted to gypsum. Periodically, the gypsum would be removed from the basins and disposed of appropriately. The four basins are located in the NW $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Section 22, T12S, R14E, SBB&M.
3. California Administrative Code, Title 22, Chapter 30, Section 66708 (a)(1) defines an aqueous acidic waste to be hazardous and corrosive if it has a pH less than or equal to 2.0 or greater than or equal to 12.5.
4. California Administrative Code, Title 22, Section 66900 (c) lists an aqueous waste to be a Restricted Hazardous Waste if it has a pH less than or equal to 2.0.
5. The discharge from the said plant has been subject to waste discharge requirements prescribed by Board Order No. 85-72.
6. To date the discharger has been discharging wastewater with a pH above 2.0.
7. In accordance with the criteria in Finding No. 3 the waste in Finding No. 2 is determined to be nonhazardous and therefore exempt from the requirements of the following:

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per order #
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- a). Health and Safety Code, Article 9.5, Chapter 6.5 Division 20 (also known as the Toxic Pits Cleanup Act of 1984).
 - b). California Administrative Code, Title 23, Chapter 3, Subchapter 15 (as stated under Section 2511 (b)).
 - c). California Administrative Code, Title 22, Chapter 3, Section 66905 - Land Disposal Restrictions and Schedule.
- 8. The Water Quality Control Plan for the Colorado River Basin Region of California was adopted by the Regional Board on November 14, 1984, and contains water quality objectives for the Imperial Hydrologic Unit.
 - 9. Shallow ground water at the location of discharge is saline with a total dissolved solids content of about 15000 milligrams per-liter, and are not beneficially used.
 - 10. The purpose of this Order is to update the waste discharge requirements of Order No. 85-72 and prescribe pH limits on the discharge in Finding No. 2.
 - 11. The Board has notified the discharger, interested agencies, and persons of its intent to update waste discharge requirements for the said discharge.
 - 12. The Board in a public meeting heard and considered all comments pertaining to the discharge.
 - 13. The City of Calipatria Planning Department approved a Negative Declaration on June 20, 1985 for this proposed limestone - acid pit operation. The Regional Board has reviewed this Negative Declaration.

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

A. Discharge Specifications:

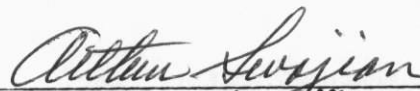
- 1. Neither the treatment nor the discharge of wastewater shall create a pollution or a nuisance as defined in Division 7 of the California Water Code.
- 2. Acidic wastewater or other wastewater shall not enter any rivers, canals, drainage channels, or drains (including subsurface drainage systems) which could provide flow or seepage to Salton Sea. All the lines falling immediately under, and the first tile line to the east and west of the ponds, shall be plugged at a point 50 feet north of the northernmost embankment of the ponds. Refer to attached Tile Drawing No. TD 3375.
- 3. Prior to discharge from the fiberglass tanks to holding basin (basin no. 1), the wastewater shall have a minimum pH of at least 2.5.

4. The wastewater in the evaporation basins (basins No. 2,3 and 4) shall have a minimum pH of at least 4.0. The discharger shall ensure that the evaporation basins contain sufficient limestone to maintain this minimum pH.
5. A minimum freeboard depth of at least two (2.0) feet shall be maintained in each of the four basins.
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. Adequate measures shall be taken to assure that the limestone stored on-site will be adequately protected against flood or surface drainage waters.
8. Wastewater shall be discharged to only those basins described in Finding No. 2, and only in the volumes, compositions and methods of disposal described in this Order.
9. Gypsum removed from the basins shall only be discharged as a soil amendment on farm fields, or at other disposal locations approved by this Regional Board.

B. Provisions

1. This Order includes the attached "Monitoring and Reporting Program No. 87-83," and future revisions thereto, as required by the Executive Officer.
2. Prior to any modifications in this facility which would result in material change in the quality or quantity of process water or wastes discharged, or any material change in location of discharge, the discharger shall submit an updated report of waste discharge to the Regional Board.
3. Prior to, or immediately following, any emergency discharge or spill of concentrated acid or acidic wastes, the discharger shall notify the Regional Board by phone at (619) 346-7491 and by a follow-up letter, providing a description of the proposed plan for cleanup and disposal.
4. In the event of any change in control or ownership of land or process 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. 85-72.

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 September 23, 1987.


Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 87-83
FOR

PACIFIC MOLASSES COMPANY
Calipatria - Imperial County

Location: NW $\frac{1}{4}$, of NW $\frac{1}{4}$ of Section 22, T12S, R14E, SBB&M

MONITORING

1. Wastewater discharged to Basin No. 1 shall be monitored as indicated below:

Constituent	Units	Type	Sampling Frequency
Flow	GPD ¹	Grab	Daily (Reported monthly with average daily flow calculated)
pH at 25°C	-	Grab	Weekly

Samples for the above pH measurement shall be collected at the discharge from the fiber-glass tanks prior to entrance into Basin No. 1.

2. Discharge to evaporation Basin No. 2,3, and 4 shall be monitored as indicated below:

Constituent	Sample Type	Basin Status	Sampling Frequency
pH at 25°C	Grab	Receiving discharge from basin No. 1	Weekly
pH at 25°C	Grab	Not Receiving discharge from, basin No. 1	Monthly
-	-	Dry	Report dry

1. GPD: Gallons-per-day

REPORTING

Results of daily, weekly, and monthly monitoring shall be reported on a monthly basis, by at least the 15th of the following month. The monitoring reports shall be signed by a duly authorized person.

In addition, the discharger shall also report on the following:

1. Estimated amount of limestone used to replenish the basins in tons per basin, whenever such replenishment is necessary.
2. Estimated amount of gypsum removed from the basins, in tons per basin, and the method and location of its disposal.

The above two items shall be reported for each occurrence as part of the above required monthly monitoring report.

3. Current status of plant operation as to whether active or inactive and reported each month.
4. Immediate reporting of any accidental spillage, leakage, or release of waste material, including immediate measures being taken to correct and limit adverse effects of the same.
5. Upon request from this Board's Executive Officer, the discharger shall furnish special technical and/or monitoring reports on the discharge of waste and on the integrity of the containment basins.

Forward monitoring reports to:

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

ORDERED BY:


Executive Officer

September 23, 1987
Date

