

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. 90-012

WASTE DISCHARGE REQUIREMENTS
FOR
HOLLY SUGAR CORPORATION
Holly Sugar Plant
South of Brawley - Imperial County

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

1. Holly Sugar Corporation (hereinafter also referred to as the discharger), P. O. Box 581, Brawley, California 92227 verified as accurate the following updated information on November 8, 1989.
2. The discharger is discharging the following waste from a sugar beet processing plant into on-site earthen basins in the W $\frac{1}{2}$ of the NW $\frac{1}{4}$ of Section 29 and the N $\frac{1}{2}$ of Section 30, T14S, R14E, SBB&M as indicated on the attached site map.
 - a. An average of 290,000 gallons-per-day (gpd) of processing washwater from the plant's clarifier is discharged to five (5) earthen basins for final disposal by evaporation and infiltration. Following evaporation/infiltration, about 870 tons/year of residue accumulate in these basins which have an areal extent of about 128 acres.
 - b. An average of 115,000 gpd of lime wastewater is also discharged to the above five (5) earthen basins. Following evaporation/infiltration, the dried lime is removed from the basins. Part of the lime is sold as a product and the remaining is stored on-site as a pile.
 - c. Sludge containing water, sand, and silt is removed from the clarifier and is pumped to an earthen sludge drying pond. After drying, this material is used to build up the berms of the basins.
3. The wastewaters in Finding No. 2 of this Order have the following combined average characteristics:

Total Dissolved Solids (TDS): 2,000-3,000 mg/liter
Total Suspended Solids (SS): 300 mg/liter
Biochemical Oxygen Demand (BOD₅): 200-900 mg/liter
pH: 7
4. The above discharge occurs continuously from mid-April to mid-August of the same year with intermittent discharges of smaller volumes beyond this four (4) month period.
5. The discharge from this sugar plant has been subject to waste discharge requirements adopted in Board Order No. 85-013.
6. Sanitary wastewater from the plant is disposed via a septic tank/leach field system.
7. Depth to shallow ground water at the site is about 6 feet below the bottom of the basins and has a TDS content of about 14,000 mg/liter. Deep ground waters are highly saline and potentially suitable for geothermal development.

*Superseded
by Bd. Ord. #
95-057
June 28, 1995*

8. The Water Quality Control Plan for the Colorado River Basin Region of California was adopted by the Regional Board on November 14, 1984.
9. The Basin Plan delineates the location of said discharge to be in the Imperial Hydrologic Unit. Ground water at some locations of said hydrologic unit is known to have the following beneficial uses:
 - a. Municipal Supply (MUN)
 - b. Industrial Supply (IND)

However, ground waters in the vicinity of discharge are not beneficially used.

10. The Board has notified the discharger and interested agencies and persons of its intent to update waste discharge requirements for the discharge.
11. The Board in a public meeting heard and considered all comments pertaining to the existing discharge.
12. 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, the discharger shall comply with the following:

A. Discharge Specifications

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. The discharged wastewater shall not enter New River, canals, or drainage channels (including subsurface drainage systems which could provide flow or seepage to Salton Sea).
3. A minimum freeboard depth 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 only to basins described in Finding No. 2, above, and shall not exceed the volumes and compositions described therein.
6. Residues or other materials removed from the basins shall be discharged as set forth in Finding No. 2, above, or at a disposal site approved by the Regional Board's Executive Officer.

B. Provisions

1. This Board Order includes the attached "Monitoring and Reporting Program No. 90-012", and future revisions thereto, as specified by the Executive Officer.
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. In the event that use of any evaporation basin(s) is permanently discontinued, any accumulated salts or other wastes shall be removed to a site approved 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.

IT IS FURTHER ORDERED that Board Order No. 85-013 be superseded by this Order.

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 January 17, 1990.


Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 90-012
FOR
HOLLY SUGAR CORPORATION
Holly Sugar Plant
South of Brawley - Imperial County

Location of Discharge: W $\frac{1}{2}$ of NW $\frac{1}{4}$ of Section 29 and N $\frac{1}{2}$ of Section 30, T14S, R14E, SBB&M

MONITORING

The discharge of wastewater to the basins shall be monitored for the following:

1. The estimated volume of daily discharge to the basins, in gallons-per-day.
2. Constituents in representative samples of the discharge shall be monitored as indicated below:

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>
1. Five Day Biochemical Oxygen Demand (20°C BOD ₅)	mg/l	Grab
2. pH at 25°	-	Grab

The collection, preservation and holding time of the samples shall be in accordance with the U. S. Environmental Protection Agency's (EPA) recommended methods for the above constituents. The laboratory performing the sample analyses shall be certified by the State of California, Department of Health Services.

REPORTING

For each operating season, the discharger shall submit to the Board a monitoring report signed by a duly authorized person by not later than September 15 of the operating year.

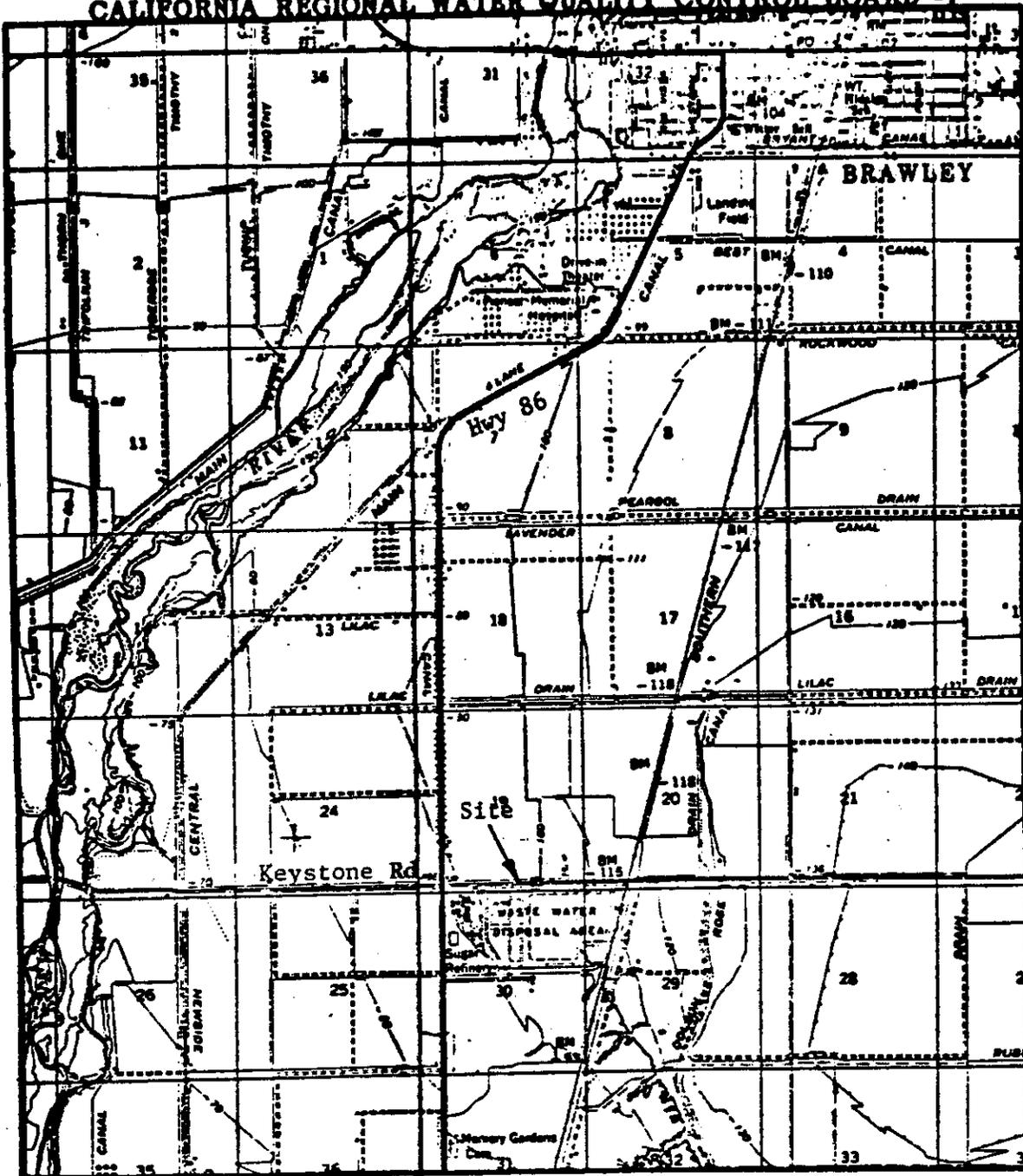
Forward monitoring reports to:

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

ORDERED BY:

Philip A. Grunberg
Executive Officer
January 17, 1990
Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD -7



SITE MAP

HOLLY SUGAR CORPORATION
 Holly Sugar Plant
 South of Brawley - Imperial County
 W $\frac{1}{2}$ of the NW $\frac{1}{4}$ of Sec. 30, T14S, R14E, SBB&M
 USGS Brawley 15 min. Topographic Map

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