

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

ORDER NO. 86-22

**WASTE DISCHARGE REQUIREMENTS
FOR
HOLLY SUGAR CORPORATION
COAL ASH TRANSPORT WATER RETENTION BASIN
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, submitted a report of waste discharge dated December 19, 1985.
2. The discharger proposes to discharge an estimated average daily flow of 0.5 mgd, and a maximum design flow of 1.15 mgd, of boiler coal ash transport water and wet scrubber water to a retention basin located in the NW $\frac{1}{4}$, Section 30, T14S, R14E, SBB&M. The basin would be about two acres in size, and the volume of solids deposited therein each year would be about 3000 cubic yards. At the end of five years, the basin would be full of solids, and the contents would then be removed and deposited elsewhere. The annual operating season is 130 days.
3. The discharge of boiler coal ash transport water and wet scrubber water would have an expected total dissolved solids concentration range of 650 mg/l to 3200 mg/l and low values of heavy metals, as shown in Attachment A - hereby made a part of this Order.
4. The Water Quality Control Plan for the Colorado River Basin Region of California was adopted by the Regional Board on November 14, 1984. This Order implements the objectives stated in said Plan.
5. The beneficial uses of the receiving waters are:
 - a. Shallow ground waters at the location of waste discharge are saline and are not beneficially used. The total dissolved solids concentrations as shown on Attachment A are:

15' depth	31,000 mg/l
60' depth	20,000 mg/l
126' depth	13,000 mg/l
 - b. Deep ground waters are brine and are being investigated for geothermal development. The total dissolved solids concentration as shown on Attachment A is 76,000 mg/l.

*3-13-91
Superseded
with order
91-017*

6. The constituents in the proposed waste water discharge are not a threat to ground water quality, are not in excess of water quality objectives established in the Board's Water Quality Control Plan, and, therefore, do not need to be regulated pursuant to Subchapter 15 (Section 2522 a).
7. Imperial County Planning Department adopted on July 8, 1985, Negative Declaration No. 1656-85, for this project. The Regional Board has reviewed this Negative Declaration. The below waste discharge requirements are designed to assure against any significant adverse effects on water quality.
8. The Board has notified the discharger and interested agencies and persons of its intent to adopt waste discharge requirements for the proposed discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
9. The Board in a public meeting heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, Holly Sugar Corporation shall comply with the following:

A. Discharge Specifications

1. Neither the treatment nor the discharge of wastes shall create a pollution or a nuisance as defined in Division 7 of the California Water Code.
2. There shall be no direct discharge of wastewater to 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 the 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. Adequate measures shall be taken to assure that unauthorized persons and animal pets are effectively excluded from contact with the discharge.

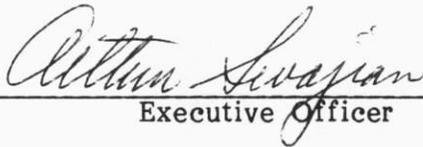
B. Provisions

1. The discharger shall comply with "Monitoring and Reporting Program No. 86-22," and future revisions thereto, and such additional technical and/or monitoring data as may be specified by the Executive Officer.
2. At least 5 days prior to the discharge of any wastewater, the discharger shall submit to the Regional Board a technical report showing the construction of the retention basin, and a certificate signed by a California

Registered Civil Engineer, or a Certified Engineering Geologist, stating that the retention basin and attendant facilities are constructed to meet the requirements of this order.

3. At least 5 days prior to the discharge of any wastewater, the discharger shall submit to the Regional Board adequate assurance that there are no agricultural tile lines located beneath the retention basin.
4. Final disposal of any residual wastes shall be at a site approved by the Regional Board.
5. 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.
6. 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 March 19, 1986.



Executive Officer

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

MONITORING AND REPORTING PROGRAM NO. 86-22

FOR
HOLLY SUGAR CORPORATION
Coal Ash Transport Water Retention Basin
South of Brawley - Imperial County

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

EFFLUENT MONITORING

Wastewater contained in the retention basin shall be monitored for the following constituents at the end of each operating season:

- | | |
|--|-------------------------------------|
| 1. Totals Solids | 16. Magnesium (Mg) |
| 2. Total Dissolved Solids | 17. Mercury (Hg) |
| 3. Total Suspended Solids | 18. Nickel (Ni) |
| 4. Sodium (Na) | 19. Zinc (Zn) |
| 5. Alkalinity (CaCO ₃) | 20. Phosphorus (P) |
| 6. Ammonia (N) | 21. 20° BOD ₅ |
| 7. Nitrate (N) | 22. COD |
| 8. Total Hardness (CaCO ₃) | 23. Bromide |
| 9. Sulfate (SO ₄) | 24. Fluoride (F) |
| 10. Aluminum (Al) | 25. Carbonate (CO ₃) |
| 11. Chromium (Cr) | 26. Bicarbonate (HCO ₃) |
| 12. Chloride (Cl) | 27. Lead (Pb) |
| 13. Copper (Cu) | 28. pH |
| 14. Iron (Fe) | 29. Calcium (Ca) |
| 15. Manganese (Mn) | 30. Potassium (K) |
| | 31. Barium (Ba) |

Reporting

The yearly monitoring report shall be submitted to the Board by not later than January 15 of each 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

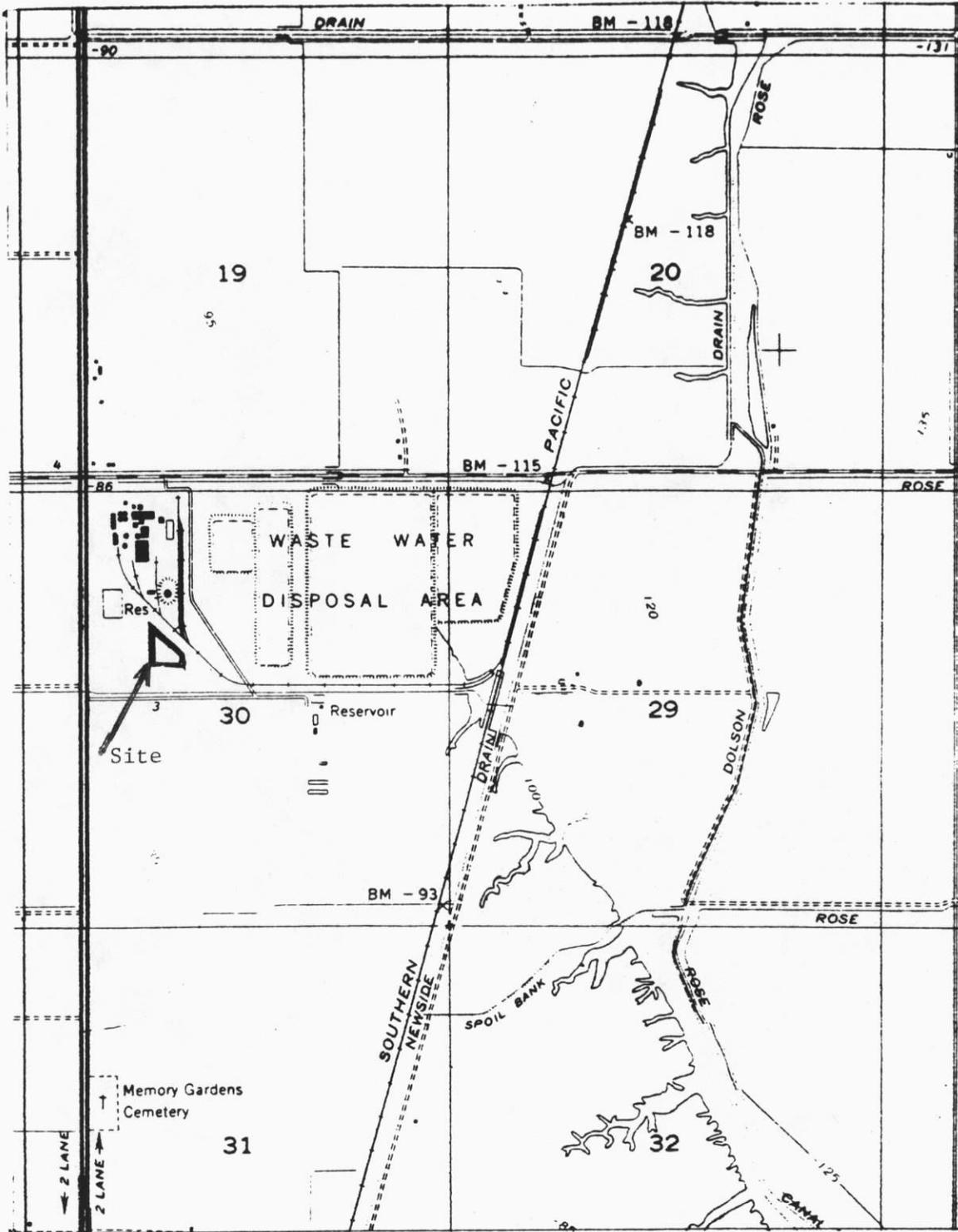
ORDERED BY:


Executive Officer

March 19, 1986

Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD NO. 7



Scale:
1"=2000'

SITE MAP
HOLLY SUGAR CORPORATION
BOILER COAL ASH TRANSPORT WATER
NW¼, Section 30, T14S, R14E, SBB&M
Brawley 7½ Topographic Map

Date: January 16, 1986
Order No. 86-22