

STATE OF CALIFORNIA  
STATE WATER RESOURCES CONTROL BOARD

ORDER NO. 71-22

WASTE DISCHARGE REQUIREMENTS  
FOR  
HOLLY SUGAR COMPANY, TRACY PLANT

The State Water Resources Control Board finds:

1. Holly Sugar Company intermittently discharges approximately 2.8 mgd of mixed process wastewater and cooling water into settling ponds. During irrigation season the wastewater is used for irrigation. The wastewater that cannot be used for irrigation is discharged to a drainage ditch from where it is pumped into the Old River. The amount of discharge from Holly Sugar Company into the Old River is unknown. The aforementioned drainage ditch also drains agricultural runoff and storm runoff from Holly Sugar Company's property and adjacent land.
2. The discharge is subject to the waste discharge requirements adopted by the California Regional Water Quality Control Board, Central Valley Region, in Resolution No. 53-25.
3. The State Water Resources Control Board adopted a Water Quality Control Policy for the Sacramento-San Joaquin Delta on June 14, 1967.
4. The beneficial uses of the Sacramento-San Joaquin Delta are:
  - a. Agricultural water supply
  - b. Industrial water supply
  - c. Domestic water supply
  - d. Navigation
  - e. Recreation
  - f. Aesthetic enjoyment
  - g. Preservation and enhancement of fish and wildlife
5. The State Board has notified the discharger and interested persons of its intent to revise the waste discharge requirements and has given them the opportunity to comment on the proposed order.
6. The State Board in a public meeting heard and considered all comments pertaining to the discharge.

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

A. Discharge Specifications

1. The undiluted discharge shall not contain constituents in excess of the following limits:

<u>Constituents</u>	<u>Units</u>	<u>Median</u>	<u>Maximum</u>
5-day 20°C BOD	mg/l	30	60
Settleable solids	ml/l	0.5	1.0
Suspended solids	mg/l	30	60

2. The discharge shall not have a pH less than 6.5 nor greater than 8.5.
3. The mean daily flow shall not exceed 3.0 mgd in the latest 30-day period.
4. Survival of test fishes in 96-hour bioassays of the undiluted waste:  

Any determination	70% minimum
Median of any three or more determinations	90% minimum
5. The discharge shall not cause discoloration at any point in the Old River.
6. The discharge shall not cause floating materials at any point in the Old River.
7. The discharge shall not cause a pollution nor cause the receiving waters to fall below the objectives of the water quality control plan for the region.
8. Neither the treatment nor the discharge shall cause a nuisance.

B. Provisions

1. The Holly Sugar Company shall take all possible measures to achieve compliance with the discharge specifications in this order and shall submit by September 15, 1971, a report to the California Regional Water Quality Control Board, Central Valley Region, delineating the measures that have been or will be taken.

2. The Holly Sugar Company shall comply with the following time schedule and reporting program to assure compliance with discharge specifications 1-6 of this order:

<u>Task</u>	<u>Completion Date</u>	<u>Report of Compliance</u>
Develop work plan to meet discharge requirements	9/1/71	9/15/71
Complete conceptual design	12/1/71	12/15/71
Complete final design	4/1/72	4/15/72
Start construction	6/1/72	6/1/72
Compliance with requirements	4/1/73	4/1/73

Compliance with discharge specifications 7 and 8 shall be forthwith.

3. Reports of compliance with the time schedule shall be submitted to the regional board.
4. Compliance with median values will be established by analysis of representative sampling results over the most recent 30-day period.
5. Resolution No. 53-25 of the regional board is rescinded.
6. The discharger shall comply with the Monitoring and Reporting Program No. 71-22 as specified by the Executive Officer of the State Board, and hereafter administered by the Executive Officer of the regional board.

Adopted as the order of the State Water Resources Control Board  
at a meeting duly called and held at Sacramento, California.

Dated: August 5, 1971

KERRY W. MULLIGAN

Kerry W. Mulligan, Chairman

E. F. DIBBLE

E. F. Dibble, Vice Chairman

NORMAN B. HUME

Norman B. Hume, Member

RONALD B. ROBIE

Ronald B. Robie, Member

ABSENT

W. W. Adams, Member

STATE WATER RESOURCES CONTROL BOARD  
 MONITORING AND REPORTING PROGRAM NO. 71-22  
 FOR  
 HOLLY SUGAR COMPANY, TRACY PLANT

EFFLUENT MONITORING

Effluent samples shall be collected downstream from the last connection through which wastes can be admitted into the outfall. Composite samples may be taken by a proportional sampling device approved by the executive officer or by grab samples composited in proportion to the flow. In compositing grab samples, the sampling interval shall not exceed one hour. The following shall constitute the effluent monitoring program:

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
5-day 20°C BOD	mg/l	Grab	Weekly
Settleable matter	ml/l	Grab	Daily
Suspended matter	mg/l	Grab	Daily
pH	pH Units	Grab	Daily
Toxicity	% Survival	24-hour composite	Weekly
Maximum flow	mgd	--	Daily
Mean flow	mgd	--	Daily

### PROVISIONS FOR SAMPLING AND ANALYSIS

Unless otherwise noted, all sampling, sample preservation, and analyses shall be conducted in accordance with the current edition of "Standard Methods for the Examination of Water and Wastewater" or approved by the executive officer of the regional board.

Bioassays shall be conducted in accordance with the provisions of "Standard Methods." Percent survival in undiluted effluent shall be determined using *Gasterosteus* (sticklebacks) as the test organism.

All analyses shall be performed in a laboratory certified to perform such analyses by the California State Department of Public Health or a laboratory approved by the executive officer of the regional board.

All samples shall be representative of the waste discharge under the conditions of peak load.

### PROVISIONS FOR REPORTING

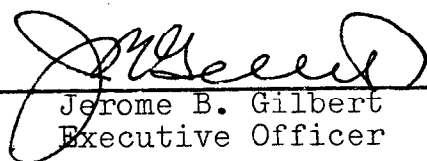
Monthly monitoring reports shall be submitted to the regional board by the 15th day of the following month.

In reporting the monitoring data, the discharger shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized in such a manner to illustrate clearly the compliance with waste discharge requirements.

For every item where the requirements are not met, the discharger shall submit a statement of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at the earliest time and submit a timetable for correction.

By January 30 of each year, the discharger shall submit an annual report to the regional board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous year. In addition, the discharger shall discuss the compliance record and the corrective actions taken or planned which may be needed to bring the discharge into full compliance with the waste discharge requirements.

Ordered by

  
Jerome B. Gilbert  
Executive Officer

August 5, 1971

(Date)