

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 71-29

WASTE DISCHARGE REQUIREMENTS
FOR
CITY OF PETALUMA, SONOMA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, finds that:

1. The City of Petaluma, called the discharger below, submitted a report of waste discharge dated February 3, 1971, and supplemental information dated March 5, 1971.
2. The discharge includes:
 - a. Waste "A" is 2.2 million gallons per day (mgd) of sewage and industrial waste discharged during dry weather from 27,000 people to the Petaluma River. Design capacity will be 3 mgd for the existing plant discharging through two outfalls about 1500 feet north of U. S. Highway No. 101 Bridge, and 4 mgd for the proposed plant to discharge 3 miles downstream or 2300 feet north of the mouth of Schultz Slough. Effluent from the existing treatment plant will be transported to the oxidation ponds for further treatment and disposal.
 - b. Waste "B" is wet weather untreated sewage bypassed from the discharger's sewerage system to the Petaluma River. Wet weather flow exceeds ten times the dry weather flow.
3. The Board adopted a Water Quality Control Plan for Tidal Waters Inland from the Golden Gate and within the San Francisco Bay Region on March 26, 1970.
4. The beneficial uses of the Petaluma River are:

Swimming, water-skiing, wading, pleasure boating, marinas and fishing

Fish, shellfish and wildlife propagation and sustenance, and waterfowl and migratory bird habitat and resting

Navigation channels and port facilities

Esthetic enjoyment.
5. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the proposed discharge.
6. The Board, in a public meeting on May 27, 1971, heard and considered all comments pertaining to the discharge.

4. Waste "A" as discharged to waters of the State shall meet these quality limits at all times:

a. In any grab sample:

pH	7.0 minimum
	8.5 maximum

b. In any representative 24-hour composite sample:

(1) Turbidity	10 units maximum
(2) 5-day BOD	5 mg/l median for any 30-day period
	10 mg/l maximum

c. In any representative set of samples:

Toxicity: survival of test fishes in 96-hour bioassays of the waste as discharged

Any determination	70% minimum
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Average of any three or more consecutive determinations made during any 21 or more days	90% minimum
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5. The bypassing of untreated sewage, Waste "B", is prohibited.

6. The mean daily discharge of waste for any seven consecutive days shall not exceed 7.0 million gallons per day.

B. Provisions

1. This Order includes items numbered 1, 2, 6 and 7 of the attached "Reporting Requirements" dated August 28, 1970.

2. This Order rescinds Resolutions Nos. 359 and 638.

3. This Order includes items numbered 1, 2, 3, 4, 5, 6 and 7 of the attached "Notifications" dated January 6, 1970.

4. The discharger shall comply with the following time schedule and reporting program to assure compliance with:

a. Waste discharge requirements of this order except nutrients, coliform organisms, turbidity and BOD:

<u>TASK</u>	<u>COMPLETION DATE</u>	<u>STATUS REPORT DATE</u>
Complete Conceptual Plan	July 31, 1971	August 7, 1971
Authorization of Funding	July 31, 1971	August 7, 1971
Complete Final Design	January 31, 1972	February 7, 1972
Commence Construction	March 31, 1972	April 7, 1972
Complete 50% of Construction	January 31, 1973	February 7, 1973
Compliance with Requirements	November 30, 1973	December 7, 1973

b. Waste discharge requirements for nutrients, coliform organisms, turbidity and BOD:

<u>TASK</u>	<u>COMPLETION DATE</u>	<u>STATUS REPORT DUE</u>
Complete Conceptual Plan and Submit Time Schedule for Meeting Requirements	April 15, 1972	April 30, 1972

I, Fred H. Dierker, 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, San Francisco Bay Region, on May 27, 1971.

Executive Officer