

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 71-43

WASTE DISCHARGE REQUIREMENTS
FOR
SANITARY DISTRICT NO. 1 OF MARIN COUNTY

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

1. This Board prescribed requirements for Sanitary District No. 1 of Marin County, Sanitary District No. 2 of Marin County and City of Larkspur, all of which are called the discharger below, in Resolution No. 68-28 on April 30, 1968.
2. The discharge includes:
 - a. Waste "A" is 4.0 million gallons per day (mgd) of sewage only, in dry weather, from 52,000 people, and is discharged through a ruptured outfall above mean lower low water to the mouth of Corte Madera Creek. Sewage from Sanitary District No. 2 and City of Larkspur is discharged into the Sanitary District No. 1 sewer system and all the sewage is treated at the secondary plant with a design capacity of 4.5 mgd.
 - b. Waste "B" is wet-weather untreated sewage from the discharger's overflowing manholes or bypasses to Corte Madera Creek and other tributaries to San Francisco Bay within the total sewer service area.
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 San Francisco Bay, Corte Madera Creek and contiguous waters are:

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

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

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 June 24, 1971, heard and considered all comments pertaining to the discharge.

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

A. Waste Discharge Requirements

1. The treatment or disposal of waste shall not create a nuisance as defined in Section 13050(m) of the California Water Code.
2. Waste "A" shall not cause:
 - a. Floating, suspended, or deposited macroscopic particulate matter or foam in waters of the State at any place;
 - b. Bottom deposits at any place;
 - c. Alteration of temperature or apparent color beyond present natural background levels in waters of the State at any place;
 - d. Visible, floating, suspended or deposited oil or other products of petroleum origin in waters of the State at any place;
 - e. Waters of the State to exceed the following limits of quality at any point:

Dissolved oxygen	5.0 mg/l minimum
	When natural factors cause lesser concentrations, then this discharge shall not cause further reduction in the concentration of dissolved oxygen.
Dissolved sulfide	0.1 mg/l maximum
Nutrients	50 µg chlorophyll α /l
	When background levels exceed this requirement, then this discharge shall not add further nutrients.
Other substances	Any one or more substances in concentrations that impair any of the protected beneficial water uses or make aquatic life or wildlife unfit or unpalatable for consumption.

3. Waste "A" as discharged or at some point in the treatment process shall meet the following quality limits at all times:
 - a. The waste shall meet quality requirements equivalent to those which would result from conformance with Section 8047 of Title 17, California Administrative Code.
 - b. Coliform Organisms 2.2 MPN/100 ml, moving median of seven consecutive daily samples maximum

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
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 - b. In any representative 24-hour composite sample:
 - (1) Turbidity 10 units maximum
 - (2) 5-day BOD 5 mg/l median for any thirty-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
Average of any three or more consecutive determinations made during any 21 or more days	90% minimum

5. The mean daily flow for Waste "A" for any seven (7) consecutive days shall not exceed 4.5 mgd.

6. The bypassing of untreated sewage, Waste "B", is prohibited.

B. Provisions

1. This Order includes items numbered 1, 6 and 7 of the attached "Reporting Requirements" dated August 28, 1970.
2. This Order rescinds Resolution No. 68-28.
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 the waste discharge requirements of this order except floating particulate matter, odor, bypassing and disinfection:

TASK

COMPLETION DATE

Complete Conceptual Plan and submit time schedule for its implementation

July 1, 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 June 24, 1971.

Executive Officer