

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

RESOLUTION NO. 70-79

PRESCRIBING REVISED REQUIREMENTS AS TO THE NATURE OF WASTE DISCHARGE BY THE CITY OF SAN MATEO INTO THE DEEP-WATER CHANNEL OF SAN FRANCISCO BAY, APPROXIMATELY 500 FEET NORTHWESTERLY FROM THE SAN MATEO-HAYWARD BRIDGE, SAN MATEO COUNTY, AND RESCINDING RESOLUTION NO. 67-40 AND THOSE PORTIONS OF RESOLUTION NO. 69-40 WHICH ARE DIRECTLY APPLICABLE ONLY TO THE CITY OF SAN MATEO.

WHEREAS THIS REGIONAL BOARD HAS CONSIDERED

INFORMATION ABOUT THIS DISCHARGE

1. This Regional Water Quality Control Board prescribed requirements for the City of San Mateo, called the discharger below, in Resolution No. 67-40 which was adopted June 13, 1967, and in Resolution No. 69-40, which was adopted August 28, 1969.
2. This Regional Board has stated its intent to revise requirements for existing waste discharges to conform with the Bay Water Quality Control Plan.
3. Information in the Regional Board's files describes this existing waste discharge as about 10 mgd from a population of 80,000. The present treatment facilities are designed to serve a population of 150,000 persons with an average daily flow of 13.5 mgd. The outfall, a 54-inch pipe, discharges the waste into the deepwater channel of San Francisco Bay at a point approximately 500 feet north of the San Mateo-Hayward Bridge at a depth of 40 feet below mean lower low water.

STAFF INVESTIGATION

1. These wastes can affect the following present beneficial water uses in San Francisco Bay and contiguous water bodies:

Industrial cooling and process water supply year-round

Swimming, wading, water-skiing, pleasure boating, marinas, fishing and shellfishing water supply for recreational lagoons

Fish and wildlife propagation and sustenance, and waterfowl and migratory birds habitat and resting

Navigation channels and port facilities

Esthetic enjoyment.

2. Land uses near the waste discharge point include:

Commercial

Industrial

Transportation

RESOLVED BY THIS REGIONAL BOARD

BOARD INTENT

1. Protect public health as it may be affected by this waste discharge.
2. Prevent nuisance, as defined in Section 13050(m) of the California Water Code.
3. Protect the beneficial water uses listed under "Staff Investigation" above, except shellfishing.

In accordance with Section XVII of its Resolution No. 803, this Board has received a report from the Department of Fish and Game dated August 26, 1968, which describes beds suitable for shellfishing that are located between the area north of Coyote Point to the mouth of Redwood Creek. This Board will consider the matter of protecting these beds for the taking of shellfish for human consumption after it has reviewed a report to be submitted by the State Department of Public Health in accordance with Resolution No. 803.

4. To amend Resolution No. 67-40 to make the code references and requirements consistent with current Board policies.

WASTE DISCHARGE REQUIREMENTS - RECEIVING WATERS

1. The treatment or disposal of waste shall not create a nuisance as defined in Section 13050(m) of the California Water Code.

2. The discharge shall not:

- a. Unreasonably affect any of the protected beneficial water uses resulting from:

Floating, suspended, or deposited macroscopic particulate matter or foam, in waters of the State at any place;

Bottom deposits at any place;

Aquatic growths at any place;

Alteration of temperature, turbidity, or apparent color beyond present natural background levels in waters of the State at any place.

- b. Cause visible, floating, suspended or deposited oil or other products of petroleum origin in waters of the State at any place.

- c. Cause waters of the State to exceed the following limits of quality at any point within one foot of the water surface:

pH	7.0 minimum 8.5 maximum
Dissolved Oxygen	5.0 mg/l, minimum
Dissolved Sulfide	0.1 mg/l, maximum
Nutrients	to be prescribed at the earliest practicable date
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.

- d. Cause waters of the State to exceed the following limits of quality at any place within one foot of the water surface:

Coliform Organisms	240 MPN/100 ml, median of five consecutive samples, maximum
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10,000 MPN/100 ml, maximum, any single sample when verified by a repeat sample taken within 48 hours.

Whenever either of these bacterial values is exceeded in the receiving water for any reason they shall both be met instead in the waste at some point in the treatment process.

The discharger may demonstrate compliance in the waste stream as an optional alternative.

The Board will accept proof of effective effluent disinfection in terms of factors other than bacterial concentrations if the discharger documents a sound statistical correlation between such factors and bacterial analysis, and provided the conditions of sewage strength and treatment do not change from the demonstration period.

Analyses to be determined by the multiple tube fermentation method using at least two portions per decimal dilution.

NOTIFICATIONS

1. This Board's Resolution No. 67-40 and those portions of Resolution No. 69-40 which are directly applicable only to the City of San Mateo are hereby rescinded.
2. This Resolution includes items numbered 1 through 7 of the attached "Notifications", dated January 6, 1970.

WILLIAM C. WEBER
Chairman

October 22, 1970

I, Fred H. Dierker, hereby certify that the foregoing is a true and correct copy of Resolution No. 70-79 adopted by the California Regional Water Quality Control Board, San Francisco Bay Region at its regular meeting on October 22, 1970.

FRED H. DIERKER
Executive Officer
CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD - SAN FRANCISCO BAY
REGION