

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

RESOLUTION NO. 70-103

PRESCRIBING REVISED REQUIREMENTS FOR WASTE DISCHARGE  
BY THE SAUSALITO-MARIN CITY SANITARY DISTRICT INTO  
SAN FRANCISCO AND RICHARDSON BAYS, MARIN COUNTY, AND  
RESCINDING RESOLUTION NO. 53

WHEREAS THIS REGIONAL BOARD HAS CONSIDERED

INFORMATION ABOUT THIS DISCHARGE

1. This Regional Water Quality Control Board prescribed requirements for the Sausalito-Marín City Sanitary District in Resolution No. 53 adopted April 19, 1951. The District provides sewerage service to Tamalpais Valley and Richardson Bay Sanitary Districts called the Dischargers below.
2. On September 17, 1964 this Board adopted Resolution No. 592 to prohibit:

"all sewage discharges to Richardson Bay within the corporate limits of the City of Sausalito and within the area bound by the westerly corporate limits of the City of Sausalito on the east, the Sausalito Canal on the north and U. S. Highway 101 on the west and south."
3. This Regional Board has stated its intent to revise requirements for existing waste discharges to conform with the Bay Water Quality Control Plan.
4. Information in the Regional Board's files describe this existing waste discharges as follows:
  - A. Discharge A - Sewage treatment plant

Sewage only is discharged about 750 feet South of the Southerly City Limit Limit of Sausalito and 400 feet offshore at a point about 30 feet below mean lower low water. Present average dry weather flow is 1.6 mgd from a population of 15,000 people but the wet weather flow may amount to 4.0 mgd. Design capacity of the treatment plant is 2.0 mgd for a population of 16,000 people.
  - B. Discharge B - Wet weather bypasses

Infiltration during wet weather cuases excessive flows and bypasses to Richardson Bay and its tributaries have been installed in the sewer system to prevent overflowing manholes in streets. The bypasses are located as follows:
    - (1) Main Street Pumping Station, foot of Main Street - discharge to Richardson Bay
    - (2) Princess Street Pumping Station near Ondine's Restaurant - discharge to Richardson Bay

- (3) Marin City Pumping Station, between the frontage road entrance to Marin City and the Richardson Bay Bridge - discharge to Rosedale Canal
- (4) Richardson Bay Bridge South end of bridge at railroad tracks - discharge to drainage ditch

#### CORRESPONDENCE

This Regional Board has considered correspondence about this matter from:

1. State Department of Public Health, in its memorandum dated December 11, 1970.
2. State Department of Water Resources, in its memorandum dated December 9, 1970.
3. Marin County Health Department in its letter dated November 30, 1970.

#### STAFF INVESTIGATION

1. These wastes may affect the following beneficial water uses in San Francisco Bay, Richardson Bay and contiguous water bodies:

Swimming, water-skiing, skin-diving, wading, pleasure boating, marinas, fishing and shellfishing.

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

Navigation channels

Esthetic appeal.

2. Land within 1000 feet of the outfall is used for transportation, residence, and recreation.

#### RESOLVED BY THIS REGIONAL BOARD

#### BOARD INTENT

1. Protect public health as it may be affected by these waste discharges.
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.

#### 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:

pH	7.0 minimum 8.5 maximum
----	----------------------------

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	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
--------------------	---

10,000 MPN/100 ml, any single sample when verified by a repeat sample taken within 48 hours, maximum

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.

WASTE DISCHARGE REQUIREMENTS - WASTE STREAM

The waste as discharged to waters of the State shall meet these quality limits at all times:

1. In any grab sample:

pH	6.5 minimum
	8.5 maximum

Settleable matter

The arithmetic average of any six or more samples collected on any day

0.5 ml/l/hr., maximum

80% of all individual samples collected during maximum daily flow over any 30-day period

0.4 ml/l/hr., maximum

Any sample

1.0 ml/l/hr., maximum

2. In any representative set of samples:

Toxicity: the concentration of the waste itself in the receiving waters at any point within one foot of their surface

10 percent of the 96-hour TLM concentration of the waste as discharged, maximum

PROHIBITION

Pursuant to Section 13243 of the California Water Code this Regional Board prohibits at any time:

1. The bypass of untreated wastes from the discharger's sewer system.
2. The discharge of digested sludge to waters of the State.

### TIME SCHEDULE FOR COMPLIANCE WITH REQUIREMENTS

Pursuant to Section 13263(c) of the California Water Code, this Regional Board adopts the following time schedule for compliance with the above requirements:

1. Submit by May 1, 1971 a time schedule to include descriptions of facilities and dates for financing, award of contracts for and completion of needed facilities for:
  - A. Immediate corrective measures to minimize pollutional loadings on the Bay during the period that improvements needed to meet all requirements are under way.
  - B. Compliance with all requirements.
  - C. Fail-safe treatment to include duplicate facilities to assure continuous compliance with bacterial requirements.
  - D. Elimination of all untreated sewage discharges from the sewer system.

### REPORTING REQUIREMENTS

1. This Resolution includes items numbered 1, 2, 3, 4, 6 and 7 of the attached "Reporting Requirements", dated August 28, 1970.
2. Pursuant to Section 13267 of the California Water Code the discharger is required to submit a report by April 1, 1971 satisfactory to the Executive Officer and the Regional Board documenting the effects of its discharge on Richardson Bay.
3. The District is required to file by February 15, 1971 a progress report on the Richardson Bay study pursuant to Notification 3(a) below, being participated in by all of the sewerage entities in the Richardson Bay drainage area.

### NOTIFICATIONS

1. This Board's Resolution No. 53 is hereby rescinded.
2. Toxicity of the waste stream in terms of minimum TLM or percent survival will be prescribed in addition to the above toxicity requirement as soon as practicable.
3. The Regional Board requires, as a condition for its approval of any construction grant application, that:
  - a. The District participate in a subregional study for consolidation, treatment and disposal of its waste water which is consistent with the concepts of Phase I of the Bay-Delta report and which meets the approval of the Regional Board. The subregional study shall include at least all sewerage entities providing service within the Richardson Bay drainage.
  - b. Fail-safe treatment be provided to include duplicate facilities to assure continuous compliance with bacterial requirements.

4. This Resolution includes items numbered 1, 2, 3, 4, 5, 6 and 7 of the attached "Notifications", dated January 6, 1970.
5. Based on the results of the study required under Reporting Requirement: 2 above, the Regional Board may require removal of toxicants and nutrients to the maximum degree that this has been achieved in any existing plant-scale community waste treatment facility.
6. This Board may adopt more restrictive requirements to protect shellfishing when results of waste dispersion studies become available.
7. If the discharger fails to comply with the above time schedule, or fails to implement available immediate corrective measures, the Executive Officer is instructed to bring a recommendation on the initiation of formal enforcement proceedings to the Regional Board for its consideration, which may include the prohibition of additional connections to the sewerage system.

WILLIAM C. WEBER  
Chairman

December 22, 1970

I, Fred H. Dierker, hereby certify that the foregoing is a true and correct copy of Resolution No. 70-103 adopted by the California Regional Water Quality Control Board, San Francisco Bay Region at its regular meeting on December 22, 1970.

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