

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

RESOLUTION NO. 70-24

PRESCRIBING REVISED REQUIREMENTS FOR WASTE DISCHARGE  
BY GRANADA SANITARY DISTRICT INTO THE PACIFIC OCEAN  
NEAR PILLAR POINT, SAN MATEO COUNTY, AND RESCINDING  
RESOLUTION NO. 708

WHEREAS THIS REGIONAL BOARD HAS CONSIDERED

INFORMATION ABOUT THIS DISCHARGE

1. This Regional Water Quality Control Board prescribed requirements for Granada Sanitary District, called the discharger below, in Resolution No. 708, adopted November 18, 1965.
2. Information in the Regional Board's files describe this existing waste discharge as sewage only from a present population of 2,700.

Waste flow is estimated as follows:

Present flow	0.17 MGD;
Design flow	0.30 MGD;

The waste is being discharged into the Pacific Ocean at a point approximately 500 feet offshore from the southeastern end of Pillar Point and outside of the harbor breakwater.

3. This Regional Board has stated its intent to revise requirements for existing waste discharges to conform with the policy adopted by Resolution No. 67-25.

CORRESPONDENCE

This Regional Board has considered recommendations about this matter from:

1. State Department of Fish and Game in its memoranda dated February 9, 1970 and June 23, 1969.
2. State Department of Public Health in its memoranda dated July 9, 1969 and April 25, 1969
3. State Department of Water Resources in its memorandum dated March 24, 1970.

STAFF INVESTIGATION

1. These wastes can affect the following present and proposed beneficial water uses in the vicinity of the outfall:

In tide pools and Ocean waters at Pillar Point:

Fish, shellfish and other marine biota habitat and propagation

Shellfishing  
Marine biology study  
Fishing and shellfishing  
Skindiving  
Esthetic enjoyment;

In Ocean waters offshore from Pillar Point which are sufficiently deep:

Fish, shellfish and other marine biota habitat and propagation  
Shellfishing  
Skindiving  
Pleasure boating  
Commercial fishing  
Commercial abalone fishing;

Within a harbor immediately easterly from the discharge:

Fish, shellfish and other marine biota habitat and propagation  
Marina  
Commercial fishing boat moorage  
Small boat launching ramp;

At a public beach and adjacent Ocean waters approximately two miles easterly from the point of discharge:

Fish, shellfish and other marine biota habitat and propagation  
Swimming and wading  
Surfboarding  
Picnicking and sunbathing  
Esthetic enjoyment; and

San Mateo County and the State Department of Fish and Game are considering the establishment of a coastal marine laboratory in the immediate vicinity of the discharge.

2. Land within 1000 feet of the outfall is used for recreation.

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.
4. Acknowledge receipt of memorandum dated February 9, 1970 from State Department of Fish and Game on the suitability of the area for shellfishing and an indication of the present and potential value of the resource, and will consider protection of shellfishing for human consumption in tide pools and ocean waters at Pillar Point upon receipt of report from State Department of Public Health on:
  - a. The portion of the area defined by Fish and Game which is not suitable, from a public health point of view, for shellfishing because of the location of the waste discharge, regardless of the degree of treatment of said discharge
  - b. The effect that increase in volume of flow of waste discharge will have upon the suitability of shellfishing area for public health reasons
  - c. Any other public health consideration that would make portions of the area designated by Department of Fish and Game unsuitable for shellfishing and indicating the specific areas so affected.
  - d. Improvements to the sewerage system necessary to make areas suitable for 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, salinity, 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	Any sample
	6.0 mg/l	minimum	Mean annual
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 bacterial concentration in waters of the State at any place within one foot of their surface and within 1000 feet of shoreline at two feet below mean lower low water to exceed the limits prescribed in Section 7958, Title 17, California Administrative Code at any time; when this bacterial concentration is exceeded in the receiving waters for any reason it shall be met instead in the waste at some point in the treatment process and the discharger may do so as an optional alternate; 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.

#### WASTE DISCHARGE REQUIREMENTS - WASTE STREAM

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

1. In any grab sample:

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, 24-hour composite sample:

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

Any sample                        75% minimum

Average of any three or  
more consecutive samples  
collected during any 21  
or more days                      90% minimum.

PROHIBITION

Waste discharge for any month in excess of the existing treatment plant's capacity of 0.30 MGD to nearshore waters with rock substrates is prohibited unless the discharger demonstrates to the satisfaction of the Regional Board that there is no reasonable alternative. (Reference: Section 13243, California Water Code).

REPORTING REQUIREMENTS

This Resolution includes items numbered 1, 2, 4, 5, 6 and 7 of the attached "Reporting Requirements", dated January 1, 1970.

NOTIFICATIONS

1. This Board's Resolution No. 708 is hereby rescinded.
2. This Resolution includes items numbered 1, 2, 3, 5, 6 and 7 of the attached "Notifications", dated January 6, 1970.

WILLIAM C. WEBER  
Chairman  
March 26, 1970

I, Fred H. Dierker, hereby certify that the foregoing is a true and correct copy of Resolution No. 70-24 adopted by the California Regional Water Quality Control Board - San Francisco Bay Region at its regular meeting on March 26, 1970.

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

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

January 1, 1970

REPORTING REQUIREMENTS

1. This Board requires the discharger to file technical reports on self-monitoring work performed according to detailed specifications developed pursuant to the Regional Board's Resolution No. 398. (Reference: Sections 13267(b) and 13268, California Water Code.)
2. This Board requires the discharger to file a written report within 90 days after the average dry-weather waste flow for any month equals or exceeds 80% of the design capacity of his waste treatment and/or disposal facilities. The discharger's senior administrative officer shall sign a letter which transmits that report and certifies that the policy-making body is adequately informed about it. The report shall include:

Average daily flow for the month, the date on which the instantaneous peak flow occurred, the rate of that peak flow, and the total flow for that day.

The discharger's best estimate of when the average daily dry-weather flow rate will equal or exceed the design capacity of his facilities.

The discharger's intended schedule for studies, design, and other steps needed to provide additional capacity for his waste treatment and/or disposal facilities before the waste flow rate equals the capacity of present units. (Reference: Sections 13260, 13267(b) and 13268, California Water Code.)

3. This Board requires the discharger to file a time schedule for engineering studies on facilities needed to comply with the Board's receiving water objective of 5.0 mg/l of dissolved oxygen and/or to file a time schedule for deciding upon the feasibility of participating in regional water quality control systems if he does not meet that dissolved oxygen objective after providing waste treatment facilities which comply with the effluent BOD requirement prescribed elsewhere in this Resolution. (Reference: Sections 13267(b) and 13268, California Water Code.)
4. This Board requires the discharger to file technical reports on studies into correcting violations of the Board's water quality objectives caused by discharging combined storm water and sewage. Specifications for these studies shall be developed pursuant to the Board's Resolution No. 398. (Reference: Sections 13267(b) and 13268, California Water Code.)

5. This Board requires the discharger to file written reports within 15 days after each calendar quarter to include:

Name of and number of lots in each subdivision for which an application has been received for connection to the sewerage system.  
Anticipated date of connection of each subdivision to the sewerage system.

Finding and supporting data by governing body on effect of addition of each subdivision on violation of waste discharge requirements.

(Reference: Section 11551.6 Business and Professions Code and Sections 13267(b) and 13268, California Water Code.)

6. This Board requires the discharger to file a report on waste discharge at least 120 days before making any material change or proposed change in the character, location or volume of the discharge. (Reference: Sections 13260(b) and 13264, California Water Code.)
7. This Board requires the discharger to file a written technical report at least 15 days prior to advertising for bids on any construction project which would cause or aggravate the discharge of waste in violation of these requirements; said report to describe the nature, costs, and scheduling of all actions necessary to preclude such discharge. In no case should any discharge of sewage bearing wastes be permitted without at least primary treatment and chlorination. (Reference: Sections 13267(b) and 13268, California Water Code.)

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION  
January 6, 1970

NOTIFICATIONS

1. This Board requests the discharger to take note of the comments and recommendations contained in all the correspondence the Board has received and considered concerning this matter, and the Executive Officer is directed to transmit copies of that correspondence to the discharger.
2. This Board considers "Waters of the State" as defined in Section 13050(e) of the California Water Code to include waste waters over which the discharger has lost control.
3. The requirements prescribed herein do not authorize the commission of any act causing injury to the property of another, nor protect the discharger from his liabilities under Federal, State, or local laws, nor guarantee the discharger a capacity right in the receiving waters.
4. This Board will prescribe more restrictive requirements for this waste discharge if necessary:
  - To achieve or maintain dissolved oxygen concentration of at least 5.0 mg/l in tidal waters of the San Francisco Bay System pursuant to Resolution No. 67-30,
  - To protect shellfishing areas which the Board designates pursuant to Resolution No. 803,
  - To protect the beneficial water uses, and to achieve other objectives adopted in the resolutions cited above.
5. This Board will review these requirements periodically, as required by law, and will notify the responsible persons before doing so. (Reference: Section 13263(e), California Water Code.)
6. The water quality parameters used in this resolution are as defined in the latest edition of "Standard Methods for the Examination of Water and Wastewater" by the American Public Health Association.
7. The discharger is advised that this Board will use the general concepts of Phase I of the plan recommended by the Final San Francisco Bay-Delta Program Report as guidelines in reviewing any application for construction grants for sewerage facilities proposed to comply with these requirements, and if the discharger intends to make such application he must demonstrate the compatibility of the proposed facilities with the general concepts of the Bay-Delta Program.