

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 72-98

WASTE DISCHARGE REQUIREMENTS FOR THE
UNITED STATES DEPARTMENT OF DEFENSE,
SKAGGS ISLAND NAVAL SECURITY GROUP
ACTIVITY, SONOMA COUNTY

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

A. The United States Department of Defense, Skaggs Island Naval Security Group Activity, called the discharger below, submitted a proposal for handling sewage only, from facilities on Skaggs Island.

B. The discharges and proposed facilities include the following:

Waste A is 141,000 gallons per day (gpd) from the bowling alley (Building-No. 82) and sewer system serving 1100 people. 28 acres of oxidation and storage ponds, 17 acres of land and spraying facilities with a capacity of 150,000 gpd will be utilized for disposal.

Waste B from Building No. 156 housing 150 men per shift will utilize oxidation and evaporation ponds with a capacity of 10,500 gallons per day for disposal.

Waste C from Building No. 21 housing 70 men per shift will utilize oxidation and evaporation ponds with a design capacity of 3,100 gallons per day for disposal.

Waste D from Building No. 26 housing 20 men per shift will utilize a septic tank and drainfield for disposal. The building is used only for brief periods during the year.

Waste E from Building 27 now housing 30 men per shift will be terminated because the building is to be demolished.

C. The Board adopted an Interim Water Quality Control Plan for the San Francisco Bay Basin on June 14, 1971.

D. The beneficial uses of Second Napa Slough, Sonoma Creek, Six Mile Slough, Rainbow Slough, Napa Slough and San Pablo Bay as set forth in the Interim Basin Plan include:

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

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

c. Esthetic appeal.

- E. The requirements hereinafter prescribed are necessary to implement the Basin Plan for San Francisco Bay, protect the beneficial uses of San Pablo Bay, Second Napa Slough, Sonoma Creek, Six Mile Slough, Rainbow Slough, and Napa Slough and prevent nuisance.
- F. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge.
- G. The Board in a public meeting on November 28, 1972, heard and considered all comments pertaining to the discharge.

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

A. Discharge Specifications

- 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 discharges shall not cause:
 - a. Floating, suspended or deposited macroscopic particulate matter or foam in waters of the State at any place;
 - b. Bottom deposits or aquatic growths at any place outside the spray disposal area;
 - c. Alteration of temperature, turbidity, 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. Seepage to be present any place outside the treatment facilities and/or spray disposal area.
 - f. Surface waters of the State to exceed the following limits of quality at any place:

Dissolved Oxygen	5 mg/l minimum
	80 % saturation annual median

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
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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 human consumption.

pH

6.5 minimum
8.5 maximum

3. Waste at the surface of treatment ponds and as discharged to the spray disposal area shall meet the following quality limits at all times:

In any grab sample:

5-day BOD	40 mg/l maximum
Dissolved sulfide	0.1 mg/l maximum
Dissolved Oxygen	2.0 mg/l minimum

4. A minimum freeboard of at least 2 feet shall be maintained in the oxidation ponds.
5. The disposal of waste shall not cause degradation of groundwater suitable for domestic use.
6. All unauthorized persons shall be effectively excluded from the waste treatment and spray disposal areas.
7. The mean daily discharge of waste to the treatment facilities for any seven consecutive days shall not exceed: 150,000 gpd for Waste A, 10,500 gpd for Waste B and 3,100 gpd for Waste C.

B. Discharge Prohibitions

1. Bypassing of sewage is prohibited.
2. Discharge from the treatment facilities other than to the spray disposal area is prohibited.
3. Runoff across or from the waste treatment and spray areas is prohibited.

C. Provisions

1. This Order includes items numbered 1, 2, and 6 of the attached "Reporting Requirements" dated August 28, 1970.
2. This Order includes items numbered 1, 2, 3, 4, 5, and 6 of the attached "Notifications" dated January 6, 1970. Waters of the State do not include those in the treatment ponds where the District has maintained control.

3. The discharger shall comply with the following time schedule and reporting program to assure compliance with the discharge specifications of this order.

<u>TASK</u>	<u>COMPLETION DATE</u>	<u>STATUS REPORT DATE</u>
a. Complete construction of facilities, as evidenced by acceptance of the work by the discharger	April 1, 1973	April 15, 1973
b. Abandonment of building No. 27 or provide adequate waste disposal facilities	April 1, 1973	April 15, 1973
c. Demonstrate compliance with these requirements as evidenced by appropriate data collected by the discharger and filed at the office of the Regional Board	June 1, 1973	June 15, 1973

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 November 28, 1972.

Executive Officer