

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 72-16

WASTE DISCHARGE REQUIREMENTS
FOR
TIDEWATER SAND AND GRAVEL CO.
AND
QUARRY PRODUCTS, INC.

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

1. Tidewater Sand and Gravel Co. submitted a report of waste discharge dated September 15, 1971.
2. Tidewater Sand and Gravel Co. proposes to discharge approximately 0.185 million gallons per day (mgd) of wastewater overflow from a barge used for hydraulic sand dredging in Suisun Bay between Stake Point and Middle Ground Island, Solano County. The sand will be unloaded mechanically or hydraulically at 4501 Tidewater Avenue in Oakland or at Point Castro in Richmond, which site is owned by Quarry Products, Inc.
3. The Board adopted an Interim Water Quality Control Plan for the San Francisco Bay Basin on June 14, 1971.
4. The beneficial uses of Suisun Bay are:
 - Industrial water supply
 - Swimming, water skiing, wading, pleasure boating, marinas and fishing
 - Fish and wildlife propagation and sustenance, and migratory birds habitat and resting
 - Navigation channels and port facilities
 - 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 heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, Tidewater Sand and Gravel Co. and Quarry Products, Inc. shall comply with the following:

A. Discharge Specifications

1. The disposal of waste shall not create a nuisance as defined in Section 13050(m) of the California Water Code.
2. The discharge from the barge or wastewater from the hydraulic unloading operation shall not cause:
 - a. Visible, floating, suspended or deposited oil or other products of petroleum origin in waters of the State at any place.
 - b. Waters of the State to exceed the following limits of quality at any place:

pH	7.0 minimum 8.5 maximum
Dissolved Oxygen	5.0 mg/l, minimum Annual median - 80% saturation
Dissolved Sulfide	0.1 mg/l, maximum
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

c. Aquatic growths at any place.

3. The discharge from the barge shall not cause at any point more than five hundred (500) feet from the points of discharge and within 3 feet of the surface of waters of the State:

- a. Floating or suspended macroscopic particulate matter or foam.
- b. Alteration of apparent color beyond present natural background levels.
- c. Increased turbidity above background levels by more than the following:

<u>Receiving Waters Background</u>	<u>Incremental Increase</u>
<50 units	5 units, maximum
50-100 units	10 units, maximum
>100 units	10% of background, maximum

4. Wastewater from the hydraulic unloading operation:

a. Shall not cause:

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

Alteration of apparent color beyond present natural background levels in waters of the State at any place;

Bottom deposits at any place.

b. Shall meet the following quality limit at all times:

Settleable matter (composite sample of the overflow during any un- loading operation)	1.0 ml/l/hr. maximum
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B. Discharge Prohibitions

1. The discharge from the barge is prohibited above the water surface.

C. Provisions

1. This Regional Board requires the discharger to submit by April 15, 1972, a program for compliance with all requirements and prohibitions.

2. This order includes items 1 and 6 of the attached "Reporting Requirements" dated August 28, 1970.
3. This order includes items numbered 1 through 6 of the attached "Notifications" dated January 6, 1970.

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 March 28, 1972.

Executive Officer