

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 71-28

WASTE DISCHARGE REQUIREMENTS
FOR
U. S. ARMY CORPS OF ENGINEERS
DREDGING OF SAN FRANCISCO BAR

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

- A. The U. S. Army Corps of Engineers, called the discharger below, submitted an environmental statement "San Francisco Harbor Project - Main Ship Channel (San Francisco Bar)" and has through the Environmental Protection Agency requested review and comment on the project with respect to this Board's Resolution No. 70-100 and Federal-State water quality standards.
- B. The discharger proposes to:
1. Deepen the San Francisco Bay channel to a depth of -55 feet mean-lower low water for a length of 4-1/2 miles by removing 4.1 million cubic yards of material with annual maintenance dredging of 0.96 million cubic yards.
 2. Dredged material would be spread on the Bar adjacent to and south of the channel.
 3. Accomplish this project over a period of four years with initial dredging to commence in June, 1971 for a period of approximately one month.
 4. Study the effects of the dredging and spoil disposal operation on the fishery resources and to adjust the spoil disposal site and/or manipulation of spoiling techniques to avoid adverse environmental effects.
- C. This Board adopted a Water Quality Control Policy for the Ocean on May 18, 1967.
- D. This Board in Resolution No. 70-100 recognized that the discharger agreed to make studies satisfactory to this Board on the effects of dredge spoil disposal operations and alternate dredge practices on the fisheries resources and to submit by June 30, 1971 a preliminary report on actions taken or to be taken to eliminate adverse effects.
- E. The U. S. Army Corps of Engineers has prepared a satisfactory study program to determine the effects of dredge spoil disposal on the fisheries resources.

F. The beneficial uses of the waters which may be affected by this discharge are:

Recreation: Whole-Body Water Contact

Swimming and wading, skindiving, surfing

Recreation: Limited-Body Water Contact

Pleasure boating and marinas, fishing and hunting, picnicking, beach-combing and hiking, sun bathing, tidepool and marine life study

Recreation: Shellfishing

Industrial Supply and Resource Extraction

Fish and Wildlife Propagation and Sustenance

Marine habitat fish migration and spawning, shrimp, crab and shellfish habitat, waterfowl and other water-associated birds habitat, mammal rookery and hauling grounds

Commercial Fishing

Navigation

Esthetic Appeal

G. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the proposed discharge.

H. The Board in a public meeting heard and considered all comments pertaining to the discharge.

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

A. Waste Discharge Requirements

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

2. The waste discharge 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 point:

pH	7.0, minimum
	8.5, maximum

Dissolved Oxygen	5.0 mg/l minimum
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. Waters of the State at any point more than five hundred (500) feet from points of discharge:

- (1) Floating or suspended macroscopic particulate matter or foam.
- (2) Alteration of apparent color beyond present natural background levels.
- (3) 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

B. Provisions

1. This Regional Board expects the discharger to initiate studies satisfactory to the Executive Officer on the effects of dredging and spoil disposal on the fisheries resources concurrent with the commencement of dredging.
2. The above requirements apply only to the initial period of dredging (approximately one month) and will be reviewed and reissued before future dredging is done on this project. No further dredging is permitted until satisfactory measures are taken to eliminate any adverse effects on the fisheries resources identified by the studies after the initial one-month period of dredging.
3. This Order includes items 1 and 6 of the attached "Reporting Requirements" dated August 28, 1970.
4. 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 May 27, 1971.

Executive Officer