

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

RESOLUTION NO. 70-107

PRESCRIBING REQUIREMENTS FOR WASTE DISCHARGE BY
F. E. CRITES, INC., FROM HYDRAULIC DREDGING AT
OR NEAR MIDDLE GROUND ISLAND IN SUISUN BAY AND
DEPOSITION OF APPROXIMATELY 80,000 CUBIC YARDS
PER YEAR OF SAND ONTO LAND AT THE CONCORD NAVAL
WEAPONS STATION NEAR NICHOLS, CONTRA COSTA COUNTY

WHEREAS THIS REGIONAL BOARD HAS CONSIDERED

INFORMATION ABOUT THIS DISCHARGE

1. F. E. Crites, Inc., called the discharger below, filed a Report of Waste Discharge dated December 4, 1970 pursuant to Section 13260 of the California Water Code.
2. That report and other information submitted and on file describe the proposed waste discharge as follows:

The dredged sand and water will be pumped through a 16" pipeline to a diked land disposal site approximately 300 feet by 500 feet.

The water will flow into an adjacent diked settling basin and then over a weir into a slough tributary to Suisun Bay.

The sand will be transferred from the disposal site to commercial users.

CORRESPONDENCE

This Regional Board has considered recommendations about this matter from:

1. State Department of Fish and Game in its memorandum dated December 18, 1970.
2. State Department of Public Health in its memorandum dated December 17, 1970.
3. State Department of Water Resources in its memorandum dated December 17, 1970.

STAFF INVESTIGATION

1. These wastes can affect the following existing and proposed beneficial water uses of Suisun Bay:

Seasonal source of domestic water supply at Antioch and at Mallard Slough

Industrial cooling and process water supply year-round

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

Fish, shellfish, and wildlife propagation and sustenance, and water-fowl and migratory birds habitat and resting

Navigation channels and port facilities

Esthetic enjoyment

2. Land within 2000 feet of the disposal area is used for military, industry, recreation and transportation.

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.

WASTE DISCHARGE REQUIREMENTS - RECEIVING WATERS

1. The dredging or disposal shall not create a nuisance as defined in Section 13050(m) of the California Water Code.
2. The dredging or disposal shall not unreasonably affect any of the protected beneficial water uses resulting from:
 - a. Floating, suspended, or deposited macroscopic particulate matter or foam in waters of the State at any place;
 - b. Alteration of apparent color beyond present natural background levels in waters of the State at any place;
 - c. Bottom deposits at any place;
 - d. Aquatic growths at any place.
3. The disposal 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 point:

pH	7.0 minimum 8.5 maximum
Dissolved Oxygen	5.0 mg/l, minimum
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 wild-life unfit or unpalatable for consumption.

c. The turbidity of the waters of the State at any point to increase above background levels by more than the following:

Receiving Water Background Incremental Increase	
<50 Units	5 Units, Maximum
50-100 Units	10 Units, maximum
>100 Units	10% of Background, maximum.

WASTE DISCHARGE REQUIREMENTS - WASTE STREAM

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

Settleable Matter	1.0 ml/l/hr. maximum
-------------------	----------------------

REPORTING REQUIREMENTS

This resolution includes items numbered 1, 6 and 7 of the attached "Reporting Requirements" dated August 28, 1970.

NOTIFICATIONS

This resolution includes items numbered 1 through 6 of the attached "Notifications" dated January 6, 1970.

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. 70-107 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