

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 72-7

WASTE DISCHARGE REQUIREMENTS
FOR
DE LAVAL TURBINE INC.
ALAMEDA COUNTY

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

1. De Laval Turbine Inc., called the discharger below, submitted a report of waste discharge dated June 30, 1971.
2. The discharge is described as approximately 1.41 million gallons per day (mgd) of industrial wastewater from a sand cleaning process and a dust control system.
3. The wastes are discharged to settling ponds on the discharger's property in Oakland and then to Elmhurst Creek which flows into San Francisco Bay.
4. This Board adopted an interim water quality control plan for the San Francisco Bay basin on June 14, 1971.
5. Beneficial uses of San Francisco Bay which may be affected by this discharge are:

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

Fish, shellfish, and wildlife propagation and sustenance, and migratory birds habitat and resting

Navigation channels and port facilities

Esthetic enjoyment
6. This Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the proposed discharge.
7. The Board in a public meeting heard and considered all comments pertaining to this 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 discharge 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;
- 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. Waters of the State to exceed the following limits of quality at any point:

Dissolved oxygen	Annual median minimum	80% of saturation 5.0 mg/l
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Dissolved sulfide	0.1 mg/l maximum
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Toxic or Other Deleterious Substances	None shall be present in concentrations or quantities which will cause deleterious effects on aquatic biota, wildlife or waterfowl or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentration.
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- f. The discharge shall not cause waters of the State to exceed the following limits of quality at any place within one foot of the water surface:

pH	0.1 pH unit, maximum change from natural ambient.
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3. The waste as discharged to waters of the State shall meet these quality limits at all times:

- a. In any grab sample:

pH	7.0, minimum 8.5, maximum
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Settleable matter

The arithmetic average of any six or more samples collected on any day	0.5 ml/l/hr, maximum
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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

B. Prohibition

Pursuant to Section 13243 of the California Water Code, the discharge of industrial waste from DeLaval Turbine, Inc. other than to a community sewer system is prohibited after March 1, 1973.

C. Provisions

1. This Order includes items numbered 1 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.
3. The waste "Discharge Specifications" shall be complied with forthwith.

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 February 24, 1972.
