

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 71-75

WASTE DISCHARGE REQUIREMENTS
FOR
THE CITY OF SOUTH SAN FRANCISCO

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

- A. The City of South San Francisco, called the discharger below, submitted a report of waste discharge dated June 22, 1971.
- B. The discharger proposes to act as the Central Agency for the Cities of South San Francisco and San Bruno, San Francisco International Airport, Merck Chemical Company and possibly the Cities of Burlingame and Millbrae. The discharger proposes to discharge 22.2 MGD (without Burlingame and Millbrae) or 29.0 MGD (with Burlingame and Millbrae) of sewage and industrial wastes at a point one mile offshore from Point San Bruno about 17 feet below Mean Lower Low Water (MLLW).
- C. This Board adopted an interim water quality control plan for the San Francisco Bay basin on June 14, 1971.
- D. 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
- E. This Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the proposed discharge.
- F. 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:

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| Dissolved sulfide | 0.1 mg/l maximum |
| Biostimulants | None in concentrations sufficient to cause deleterious biological growths |
| 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. |

- 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:

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| Dissolved oxygen | Annual median | 80% of saturation |
| | Minimum | 5.0 mg/l |
| | | When natural factors cause lesser concentrations, then this discharge shall not cause further reduction in the concentration of dissolved oxygen |
| pH | | 0.1 pH unit, maximum change from natural ambient |
| Coliform Organisms | | 240 MPN/100 ml, median of five consecutive samples, maximum |

10,000 MPN/100 ml, any single sample when verified by a repeat sample taken within 48 hours, maximum

Whenever either of these bacterial values is exceeded in the receiving water for any reason they shall both be met instead in the waste at some point in the treatment process.

3. The sewage wastes as discharged to waters of the State shall meet these quality limits at all times:

- a. In any representative grab sample:

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| pH | 7.0, minimum |
| | 8.5, maximum |

Settleable matter

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| 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 |
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| Any sample | 1.0 ml/l/hr., maximum |
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4. The waste as discharged to waters of the State shall meet these quality limits at all times:

- a. In any representative grab sample:

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| pH and settleable matter | requirements for these parameters will be established after further evaluation of the effect of Merck and Company's waste on the combined waste discharge. |
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- b. Toxicity
- The Regional Board proposes to adopt toxicity limits at the earliest practicable date.

B. Discharge Prohibitions

The bypassing of untreated sewage from the discharger's sewerage system is prohibited.

C. Provisions

1. This Order includes items numbered 1, 2, 6, and 7 of the attached "Reporting Requirements", dated August 23, 1970.
2. This Order includes items numbered 1, 2, 3, 4, 5 and 6 of the attached "Notifications", dated January 6, 1970.
3. The discharger shall comply with the waste discharge requirements of this order upon commencement of this discharge.

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 October 23, 1971.

Executive Officer

Attachments