

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

ORDER NO. 72-32

WASTE DISCHARGE REQUIREMENTS  
FOR

Stinson Beach County Water District  
Marin County

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

- A. The Stinson Beach County Water District, called the discharger below, submitted a report of waste discharge dated March 17, 1972, and an amendment to that report dated May 2, 1972.
- B. The report and additional data submitted in a letter of March 31, 1972, and project report dated April 1972 describe the discharger's proposal for handling the waste. Present flow is estimated at 0.13 million gallons per day (mgd) of sewage, only, from 1900 people. Facilities with a design capacity of 0.21 mgd to serve 2,750 people will discharge the treated sewage to a 36 million gallon sealed reservoir. Treated effluent from the reservoir will be sprayed on 48 acres of adjacent land for disposal during the period from April through November. All runoff, including rainfall, from the disposal area will be collected in the reservoir during the period of spray disposal.
- C. The Board adopted an Interim Water Quality Control Plan for the San Francisco Bay Basin on June 14, 1971, and amended its Bolinas-Stinson Beach Conceptual Sewage Plan on April 25, 1972.
- D. The beneficial uses of Easkoot (Stinson) Creek, Bolinas Lagoon, Bolinas Bay and contiguous waters are:
  - Swimming, surfing, skin-diving, wading, pleasure boating and marinas
  - Fishing and Shell fishing
  - Fish, shellfish, and wildlife propagation and sustenance, waterfowl and migratory birds habitat and resting
  - Aesthetic enjoyment
  - Recharge of the recreational lagoon in Seadrift Subdivision
- E. The 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 on June 27, 1972, heard and considered all comments pertaining to the 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 outside the reservoir and spray disposal area;
  - 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. Surface waters of the State to exceed the following limits of quality at any place:

Dissolved Oxygen	90% saturation, Minimum
	When natural factors cause lesser concentrations, then this discharge shall not cause further reduction in the concentration of dissolved oxygen.

Dissolved Sulfide	0.1 mg/l Maximum
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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.
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pH	6.5 Minimum
	8.5 Maximum

- f. Surface waters of the reservoir to exceed the following limit of quality at any place:

Dissolved Sulfide	0.1 mg/l Maximum
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3. The waste as discharged to the reservoir or at some point in the treatment process shall meet the following quality limits at all times:
  - a. The waste shall meet quality requirements equivalent to those which would result from conformance with Section 8047 of Title 17, California Administrative Code.
  - b. Coliform Organisms 2.2 MPN/100 ml, moving median of seven consecutive daily samples maximum
4. The waste as discharged to the reservoir shall meet these quality limits at all times:
 

In any representative 24-hour composite sample:

  - a. Turbidity 10 units maximum
  - b. 5-day BOD 5 mg/l median for any thirty day period  
10 mg/l maximum
5. The disposal of waste shall not cause degradation of groundwater suitable for domestic use.
6. Fail-safe treatment shall be provided and include duplicate facilities where needed to assure continuous compliance with requirements.
7. The mean daily discharge of waste to the reservoir for any seven consecutive days shall not exceed 210,000 gallons per day.

B. Discharge Prohibitions

1. Bypassing of sewage is prohibited. If bypassing should occur, the discharger shall notify the Marin County Health Department, California State Department of Public Health and this Board's Executive Officer as soon as possible of said bypass.
2. Discharge from the storage reservoir, other than that sprayed on land for disposal, is prohibited.
3. Land disposal of water from the reservoir is prohibited, except during the period from April through November of each year. Spray disposal period may be extended upon written approval of the Executive Officer.
4. Runoff across or from the spray disposal area other than that to the storage reservoir is prohibited after the first spraying in the spring and before the last spraying in the fall.

5. Runoff from the spray disposal area except to the reservoir is prohibited until the discharger demonstrates that the nitrogen concentration of the spray disposal area runoff is no more than 20% greater than that in the runoff of an adjacent watershed.
6. Soil erosion in or from the spray disposal area is prohibited.

C. Provisions

1. This Order includes items numbered 1, 2, 6 and 7 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. Waters of the State do not include those in the reservoir where the District has maintained control.

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 June 27, 1972.

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Executive Officer