

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

RESOLUTION NO. 70-78

PRESCRIBING REQUIREMENTS FOR WASTE DISCHARGE BY THE
CITY OF MENLO PARK AND SAN MATEO COUNTY SCAVENGER
COMPANY, ONTO LAND NEAR SAN FRANCISCO BAY AND MARSH
ROAD IN MENLO PARK, SAN MATEO COUNTY.

WHEREAS THIS REGIONAL BOARD HAS CONSIDERED

INFORMATION ABOUT THIS DISCHARGE

1. The City of Menlo Park submitted a Report of Waste Discharge dated August 31, 1970 pursuant to Section 13260 of the California Water Code. The San Mateo County Scavenger Company, operator and present owner of the site, in a letter dated October 20, 1970 acknowledged that the above mentioned report is to be considered as their joint report. Both parties are referred to as the discharger, below.
2. That Report and other data submitted and on file in the Regional Board's office includes the following information:

The solid waste disposal site consists of 50 acres within diked salt ponds and has a capacity of 1,900,000 cubic yards. It is the first phase of a proposed 325 acre sanitary landfill which will ultimately be developed as a park.

It is planned to excavate about 3 to 5 feet below ground surface and the height of fill will be approximately 30 feet above ground surface.

Soils investigations have been conducted for the 50 acre site and hydrologic investigations for the entire 325 acre development.

The soils investigations report includes the following recommendations:

Five feet of natural bay mud deposits are to remain below the bottom of excavations.

All lenses of pervious material encountered during excavation shall be sealed with compacted clayey fill.

Prior to excavation, soil borings on 200-foot centers should be made to determine the location of any lenses of pervious material.

Levees should be constructed around all lakes and sloughs. The 50 acre site will have a 12 inch soil cover.

An interceptor ditch will surround the 50 acre site and any leachate collected will be disposed of through the Menlo Park Treatment Plant.

The hydrologic investigations report includes the following recommendations:

Leachate accumulations within all cells should be monitored and excessive accumulations pumped to the treatment plant.

A survey should be made to locate and seal all wells within the area which might provide a downward route for pollutants.

CORRESPONDENCE

This Regional Board has considered comments and recommendations about this matter from:

1. State Department of Public Health in its memorandum dated October 15, 1970;
2. State Department of Water Resources in its memorandum dated October 21, 1970;
3. State Department of Fish and Game in its memorandum dated October 13, 1970;
4. San Mateo County Health Department in its letter dated October 8, 1970;
5. San Mateo County Engineer in his letter dated October 6, 1970;
6. Menlo Park Sanitary District in its letter dated October 13, 1970.

STAFF INVESTIGATION

1. Solid wastes are currently being deposited by the South County Garbage and Refuse Disposal District on two areas located as follows: - (1) a 25 acre parcel bordering the proposed site to the northwest; and (2) a 21 acre parcel to the north, with no common boundaries. Solid wastes have been deposited also on a currently inactive 40 acre parcel bordering the proposed site to the southwest.
2. This waste disposal operation can affect the following present and proposed beneficial water uses in the vicinity of the disposal site:

Domestic water supply

Irrigation

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

Fish and wildlife propagation and sustenance, and waterfowl and migratory birds habitat and resting place

Esthetic enjoyment.

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

1. The disposal of waste shall not create a nuisance as defined in Section 13050(m) of the California Water Code.
2. Waste material shall be confined to the disposal site at all times and shall not be placed in any position where it can be carried from the disposal site and discharged into waters of the State.
3. Decomposable waste material shall not be placed in water or allowed to come in contact with pools of surface water.
4. Surface water runoff from adjacent areas shall not be allowed to contact decomposable waste material. The disposal site shall be adequately protected against runoff and flooding by storm waters. Adequate protection is defined as protection from at least a 100-year flood.
5. All operations and excavations shall be performed in such a manner as to assure a minimum continuous thickness of five feet of impervious soil, or equivalent, on the bottom and sides of the landfill. This shall be demonstrated to the satisfaction of this Board's Executive Officer prior to discharging waste material.
6. Methane gas (CH_4) shall not be allowed to develop in such concentrations within refuse cells as to endanger public health or create a nuisance.
7. Carbon Dioxide gas (CO_2) or leachate from the disposal site shall not lower the quality of usable groundwater.
8. All wells located within the disposal area shall be sealed to the satisfaction of this Board's Executive Officer prior to discharging waste material within the site.
9. The discharge of waste shall not cause surface waters of the State to exceed the following limits of quality at any place:

Dissolved Oxygen	5.0 mg/l minimum
Dissolved Sulfide	0.1 mg/l maximum
pH	7.0 to 8.5
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.

PROHIBITION

Pursuant to Section 13243 of the California Water Code this Regional Board prohibits at any time:

1. The discharge to surface waters of leachate or ponded water containing leachate.
2. The discharge, placement, or storage of materials at this site which are acceptable only at Class I disposal sites as defined in this Board's Resolution No. 69-42.

REPORTING REQUIREMENTS

1. Pursuant to Section 13267 of the California Water Code, this Regional Board requires the discharger to:
 - a. Submit a report describing the nature of actions taken towards compliance with item number 5 under "WASTE DISCHARGE REQUIREMENTS" above by November 30, 1970 and prior to placement of any fill.
 - b. Submit a report by November 30, 1970 describing a proposed program to assure compliance with item number 2 under "PROHIBITION" above.
 - c. Submit a report by November 15, 1970 stating the results of a field search for wells located on the site and the method proposed for sealing any such wells.
2. This Resolution includes items number 1 and 6 of the attached "Reporting Requirements" dated August 28, 1970.

NOTIFICATIONS

1. This Board considers the property owner to have a continuing responsibility for correcting any problems which may arise in the future as a result of this waste discharge.
2. This Resolution includes items numbered 1, 2, 3, 4, 5 and 6 of the attached "Notifications" dated January 6, 1970.

WILLIAM C. WEBER
Chairman

October 22, 1970

I, Fred H. Dierker, hereby certify that the foregoing is a true and correct copy of Resolution No. 70-78 adopted by the California Regional Water Quality Control Board - San Francisco Bay Region at its regular meeting on October 22, 1970.

FRED H. DIERKER
Executive Officer
CALIFORNIA REGIONAL WATER QUALITY CONTROL
BOARD - SAN FRANCISCO BAY REGION