

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

RESOLUTION NO. 70-5

PRESCRIBING REVISED REQUIREMENTS FOR WASTE DISCHARGE BY THE CITY OF SOUTH SAN FRANCISCO AND THE SOUTH SAN FRANCISCO SCAVENGER COMPANY AT AN INACTIVE MUNICIPAL DUMP LOCATED ON TIDELANDS OF SAN FRANCISCO BAY AT OYSTER POINT, SAN MATEO COUNTY AND RESCINDING RESOLUTIONS NOS. 388,587, and 67-38

WHEREAS THIS REGIONAL BOARD HAS CONSIDERED

INFORMATION ABOUT THIS DISCHARGE

1. The City of South San Francisco contracted with the South San Francisco Scavenger Company to operate the Municipal Dump at Oyster Point. Both parties are called the discharger below. The dump was officially closed on December 15, 1968.
2. Information from the discharger, contained in this Regional Board's files, includes the following:

The waste deposited in this dump includes domestic garbage, rubbish and solid and liquid industrial wastes.

The dump is located on tidelands on portions of tide lots 3, 4, 5, 6 and 7, Township 3 South, Range 5 West, Mount Diablo Base Meridian.

CORRESPONDENCE

This Regional Board has considered recommendations about this matter from:

1. State Department of Fish and Game in its memorandum dated January 22, 1970
2. State Department of Public Health in its memorandum dated January 21, 1970
3. State Department of Water Resources in its memorandum dated January 16, 1970

STAFF INVESTIGATION

1. The dump face is exposed to, and subject to erosion from, waters of San Francisco Bay along approximately 3000 feet of its perimeter.
2. The entire landward portion of the southern face of this dump is separated from adjacent land by a drainage ditch which discharges into San Francisco Bay.

3. A culvert passes underneath the site of the liquid industrial waste pit and discharges into the said drainage ditch along the southern face.

4. The site is located on Bay mud, and it appears to be settling due to the weight of the fill.

5. On October 9, 1969, this staff observed:

Seepage of sulfide-bearing water at numerous locations along the perimeter of the site.

Strong hydrogen sulfide odors noticeable outside the dump boundary.

Organic refuse consisting of paper, rags, garbage, and debris in contact with waters of the State along the entire perimeter of the site.

Discoloration of waters of the State.

6. On December 11, 1969, this staff observed that:

Approximately two-thirds of the perimeter had been graded to a slope of about 3 to 1 and covered with fairly clean dirt.

Tidal and/or wave action had eroded away this cover material along the toe of the slope and exposed organic refuse to waters of the State at numerous locations.

7. These wastes can affect the following present beneficial water uses in San Francisco Bay:

Industrial process water supply year-round

Swimming, water-skiing, skin-diving, wading, pleasure boating, marinas, fishing, shellfishing

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

Navigation

Esthetic enjoyment.

8. Land within 1000 feet of the dump site is used for recreation, industry, 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 of the California Water Code.
3. Protect the beneficial water uses listed under "Staff Investigation", above, except shellfishing.

WASTE DISCHARGE REQUIREMENTS

This inactive dump shall be maintained in such a manner as to prevent:

1. Waste material from being in any position where it is, or can be, in contact with surface waters or carried from the site and deposited into waters of the State.
2. Any alteration in turbidity or discoloration beyond natural background levels in waters of the State at any place.
3. A nuisance as defined in Section 13050(m) of the California Water Code.
4. Drainage from the materials in the dump site, or any condition that might cause such drainage.
5. Erosion of the perimeter of the dump site.
6. Surface waters of the State from exceeding 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 wildlife unfit or unpalatable for consumption.

REPORTING REQUIREMENTS

1. Pursuant to Section 13267 of the California Water Code, this Regional Board requires the discharger to file, by March 2, 1970 a report on the actions proposed to comply with the requirements of this Resolution, and the schedule for taking such action. The schedule shall include a completion date for the following step:

Demonstrate compliance with the requirements of this resolution as evidenced by appropriate data collected by the discharger and filed at the office of the Regional Board.

2. This Resolution includes items numbered 1, 6 and 7 of the attached "Reporting Requirements" dated January 1, 1970.

NOTIFICATIONS

1. This Resolution includes items 1, 2, 3, 4, 5, and 6 of the attached "Notifications" dated January 6, 1970.

WILLIAM C. WEBER
Chairman

January 29, 1970

I, Fred H. Dierker, hereby certify that the foregoing is a true and correct copy of Resolution No. 70-5 adopted by the California Regional Water Quality Control Board, San Francisco Bay Region at its regular meeting on January 29, 1970.

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

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION
January 6, 1970

NOTIFICATIONS

1. This Board requests the discharger to take note of the comments and recommendations contained in all the correspondence the Board has received and considered concerning this matter, and the Executive Officer is directed to transmit copies of that correspondence to the discharger.
2. This Board considers "Waters of the State" as defined in Section 13050(e) of the California Water Code to include waste waters over which the discharger has lost control.
3. The requirements prescribed herein do not authorize the commission of any act causing injury to the property of another, nor protect the discharger from his liabilities under Federal, State, or local laws, nor guarantee the discharger a capacity right in the receiving waters.
4. This Board will prescribe more restrictive requirements for this waste discharge if necessary:
 - To achieve or maintain dissolved oxygen concentration of at least 5.0 mg/l in tidal waters of the San Francisco Bay System pursuant to Resolution No. 67-30,
 - To protect shellfishing areas which the Board designates pursuant to Resolution No. 803,
 - To protect the beneficial water uses, and to achieve other objectives adopted in the resolutions cited above.
5. This Board will review these requirements periodically, as required by law, and will notify the responsible persons before doing so. (Reference: Section 13263(e), California Water Code.)
6. The water quality parameters used in this resolution are as defined in the latest edition of "Standard Methods for the Examination of Water and Wastewater" by the American Public Health Association.
7. The discharger is advised that this Board will use the general concepts of Phase I of the plan recommended by the Final San Francisco Bay-Delta Program Report as guidelines in reviewing any application for construction grants for sewerage facilities proposed to comply with these requirements, and if the discharger intends to make such application he must demonstrate the compatibility of the proposed facilities with the general concepts of the Bay-Delta Program.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION
January 1, 1970

REPORTING REQUIREMENTS

1. This Board requires the discharger to file technical reports on self-monitoring work performed according to detailed specifications developed pursuant to the Regional Board's Resolution No. 398. (Reference: Sections 13267(b) and 13268, California Water Code.)
2. This Board requires the discharger to file a written report within 90 days after the average dry-weather waste flow for any month equals or exceeds 80% of the design capacity of his waste treatment and/or disposal facilities. The discharger's senior administrative officer shall sign a letter which transmits that report and certifies that the policy-making body is adequately informed about it. The report shall include:

Average daily flow for the month, the date on which the instantaneous peak flow occurred, the rate of that peak flow, and the total flow for that day.

The discharger's best estimate of when the average daily dry-weather flow rate will equal or exceed the design capacity of his facilities.

The discharger's intended schedule for studies, design, and other steps needed to provide additional capacity for his waste treatment and/or disposal facilities before the waste flow rate equals the capacity of present units. (Reference: Sections 13260, 13267(b) and 13268, California Water Code.)

3. This Board requires the discharger to file a time schedule for engineering studies on facilities needed to comply with the Board's receiving water objective of 5.0 mg/l of dissolved oxygen and/or to file a time schedule for deciding upon the feasibility of participating in regional water quality control systems if he does not meet that dissolved oxygen objective after providing waste treatment facilities which comply with the effluent BOD requirement prescribed elsewhere in this Resolution. (Reference: Sections 13267(b) and 13268, California Water Code.)
4. This Board requires the discharger to file technical reports on studies into correcting violations of the Board's water quality objectives caused by discharging combined storm water and sewage. Specifications for these studies shall be developed pursuant to the Board's Resolution No. 398. (Reference: Sections 13267(b) and 13268, California Water Code.)

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM
FOR

South San Francisco Municipal Dump

South San Francisco, California

San Mateo County

NPDES NO. CA _____

RESOLUTION NO. 70-5

STATE OF CALIFORNIA
SAN FRANCISCO BAY REGIONAL WATER QUALITY CONTROL BOARD

REVISED SELF-MONITORING PROGRAM
FOR
SOUTH SAN FRANCISCO MUNICIPAL DUMP
SOUTH SAN FRANCISCO, CALIFORNIA
SAN MATEO COUNTY

I. GENERAL

Reporting responsibilities of waste dischargers are specified in Sections 13225(a), 13267(b), 13268, 13383, and 13387(b) of the California Water Code and this Regional Board's Resolution No. 73-16.

The principal purposes of a monitoring program by a waste discharger, also referred to as self-monitoring program, are: (1) to document compliance with waste discharge requirements and prohibitions established by this Regional Board, (2) to facilitate self-policing by the waste discharger in the prevention and abatement of pollution arising from waste discharge, (3) to develop or assist in the development of effluent or other limitations, discharge prohibitions, national standards of performance, pretreatment and toxicity standards, and other standards, and (4) to prepare water and wastewater quality inventories.

II. SAMPLING AND ANALYTICAL METHODS

Sample collection, storage, and analyses shall be performed according to the latest edition of Standard Methods for the Examination of Water and Wastewater prepared and published jointly by the American Public Health Association, American Water Works Association, and Water Pollution Control Federation, or other methods approved and specified by the Executive Officer of this Regional Board, including the methods specified in attached APPENDIX I. However, sulfide analyses may be performed using a Pomeroy or Hach sulfide test kit.

Water and waste analyses shall be performed by a laboratory approved for these analyses by the State Department of Health or a laboratory approved by the Executive Officer. The director of the laboratory whose name appears on the certification shall supervise all analytical work in his laboratory and shall sign all reports of such work submitted to the Regional Board.

All monitoring instruments and equipment shall be properly calibrated and maintained to ensure accuracy of measurements.

III. DEFINITION OF TERMS

A. STANDARD OBSERVATIONS

Standard Observations shall include determinations of the following:

1. Perimeter of Dump Face and Adjacent Receiving Waters:

- a. Evidence of leaching liquid from dump face and estimated quantity of flow at each location where leaching occurs.

- b. Odor: Presence, or absence, characterization, source and distance of travel
- c. Evidence of erosion, exposed dump material, floating material, and material deposited where it can be in contact with Bay waters.
- d. Beneficial Use: Estimated number of people engaged in:
 - (1) Sunbathing
 - (2) Swimming
 - (3) Water Skiing
 - (4) Fishing
 - (5) Boating
- e. Tide stage, including time and height of low tide corrected to nearest location for the date of the inspection
- f. Wind direction and estimated velocity
- g. Precipitation - Total precipitation during the previous five (5) days and on the day of observation.

IV. OBSERVATION STATIONS

A. PERIMETER STATIONS

Eleven stations located along the entire face of the dump with each station located as shown on the map entitled "South San Francisco Dump, Order 70-5, Self Monitoring Stations" and dated February 3, 1977. These stations will bear designation "S" (i.e., S-1, S-2, through S-11) see attached map.

B. DISPOSAL AREA STATIONS

Five areas as shown on attached map will be observed and are designated as A-1, A-2, A-3, A-4, and A-5.

C. LEACHATE STATIONS

Any and all leaching liquid emanating from the perimeter face shall be identified with samples taken and analyzed for Dissolved Sulfides. Each leachate stream shall be shown on a sketch to accompany each report.

V. SCHEDULE OF OBSERVATIONS

- A. ALL STANDARD OBSERVATIONS will be made at each station on one day each month, during daylight hours, and during a period when the predicted tidal elevation is less than +1.0 feet above mean lower low water datum.

- B. Each time an erosion deficiency is noted, and corrected, follow-up inspections will be made daily for at least five (5) days to determine and document the effectiveness of the corrective action.

Each time a leachate or discharge deficiency is noted, the corrective actions to be taken and the time schedule for completing those actions shall be defined and submitted in a written report to the Regional Board. A follow-up inspection of the location of a leachate or discharge deficiency shall be made at the time of the next minus tide during daylight hours on any day, except Sunday or legal holidays, and a written report of the observations will be submitted to the Regional Board.

- C. The City will maintain a surveillance of the operation to achieve compliance with the court order with observations made on a minimum of once every two weeks to determine the effectiveness of the corrective actions. Specific notations will be made relative to the following:

1. Extent of cover material in place
 - a. Location of cover operation (refer to stations per Article IV this document)
 - b. Type of material being used for cover
2. Sealing of leaching areas
3. Removal of deposited material from face of the fill
4. Odors: Extent, characteristics and source
5. Erosion along northerly and easterly faces of the fill
6. Ponding on the top of the fill

VI. RECORDS TO BE MAINTAINED

- A. Written records shall be maintained, showing the following for each station:
1. Identity of observation stations by number
 2. Date and time of observation
 3. Name of personnel making the observations
 4. Results of all observations
 5. Details of actions taken to correct any deficiencies, to include:
 - a. Date and time deficiency noted and reported
 - b. Describe corrective measures taken
 - c. Date and time deficiency was corrected

VII. REPORTS TO BE FILED WITH THE REGIONAL BOARD

- A. Written reports, accompanied by a letter of transmittal signed by the Director of Public Works, shall be filed with the Regional Board for each month by the fifteenth (15) day of the following month. This report shall contain a tabulation of the data recorded in Article VI, of this document.

I, Fred H. Dierker, hereby certify that the foregoing Revised Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 70-5.
2. Was agreed to by the City, in writing, on May 5, 1969, became effective immediately, and was revised effectively on the date ordered as shown below.
3. May be reviewed at any time subsequent to the effective date, upon written notice from either the Executive Officer, or the discharger, and will be revised upon written agreement of the Executive Officer and the discharger.

FRED H. DIERKER
Executive Officer

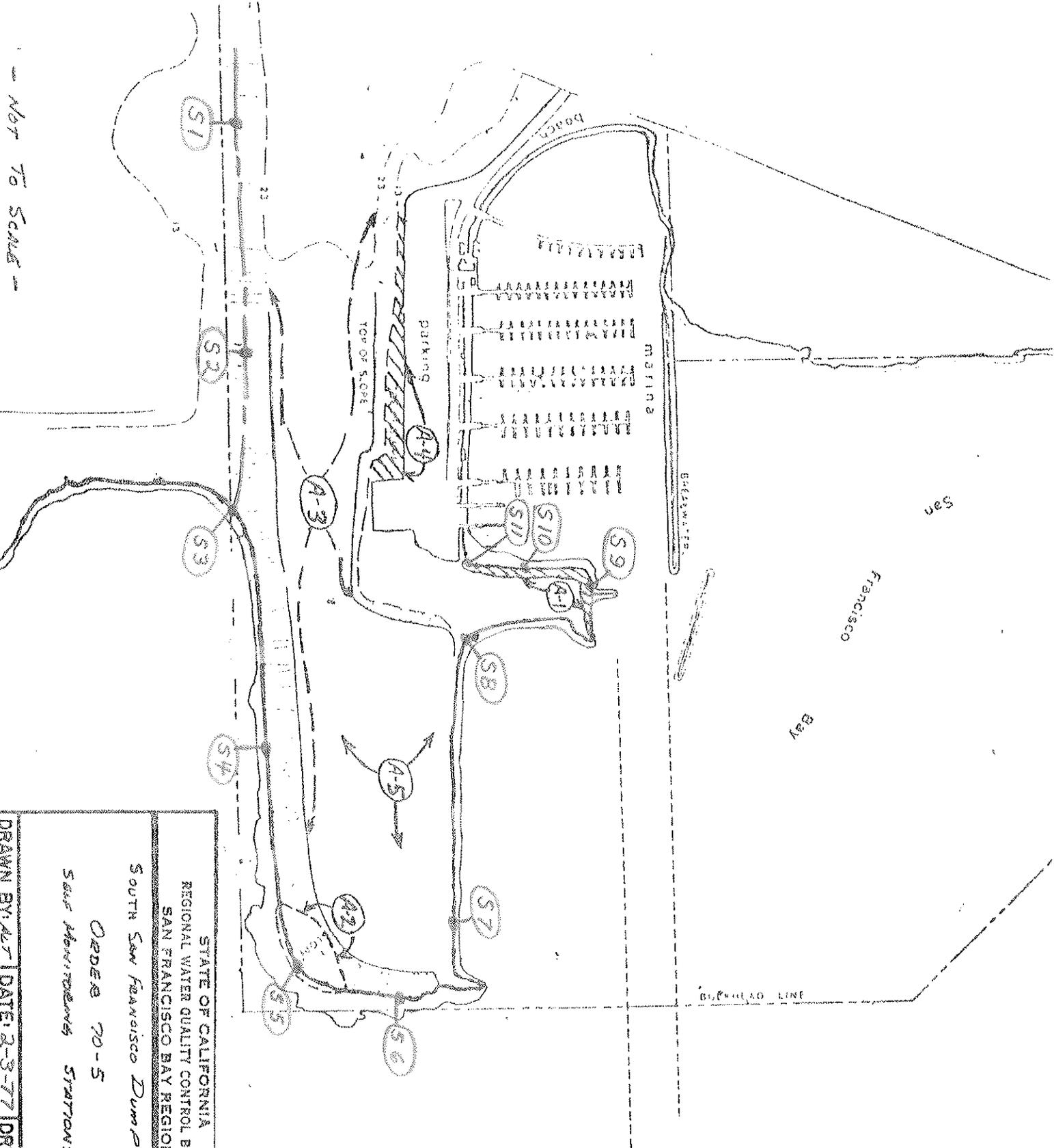
by ROGER B. JAMES
Acting Executive Officer

date ordered AUG 25 1977

Attachment:

Map
Appendix "I" (for dumpsites)

- Not To Scale -



San Francisco Bay

ATTACHMENT A

STATE OF CALIFORNIA
 REGIONAL WATER QUALITY CONTROL BOARD
 SAN FRANCISCO BAY REGION
 SOUTH SAN FRANCISCO DUMP

ORDER 70-5
 SANS MEMORANDUM STATION 5

DRAWN BY: ALT DATE: 2-3-77 DRWG. NO.