CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

REVISED

SELF-MONITORING PROGRAM
FOR

SAN FRANCISCO PORT COMMISSION

INDIA BASIN PIER 98

RESOLUTION NO. 70-69

Initial effective date August 22, 1971,

revised effective September 23, 1976 .

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM

FOR

Pier 98
SAN FRANCISCO PORT COMMISSION
SAN FRANCISCO, CALIFORNIA
SAN FRANCISCO COUNTY

JULY 1971
SEPTEMBER 1976

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 qualilty 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 by the Executive Officer of this Regional Board.

Chemical, bacteriological, and bioassay analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health. In the event a certified laboratory is not available to the discharger, the executive officer may accept analyses performed by a noncertified laboratory until June 22, 1977, provided that the laboratory has applied for certification.

III. DEFINITION OF TERMS

A. Grab Sample

Grab sample means a receiving water sample collected at any time from any point in the receiving waters, and within one (1) foot of the surface of the receiving waters.

B. General Requirements

Reporting of accidental spill of waste or other pollutants--accidental spill shall be reported to this Regional Board by telephone immediately after it occurs. The subsequent written report shall be filed within fifteen (15) days and shall contain information relative to:

1. Nature of waste or pollutant,

2. Quantity involved,

3. Cause of spilling,

4. Estimated size of affected area,

5. Nature of effects (i.e., fish kill, discoloration of receiving water, etc.), and

6. Corrective measures that have been taken, or planned, and a schedule of these activities.

C. Standard Observations

Standard observations shall include determinations of the following:

1. Perimeter of fill face and adjacent receiving waters:

a. Evidence of leachate (as defined in California Administrative Code, Title 23, Section 2500), seepage, drainage, effluent or surface water of the State, emanating from the fill project, which contains substances that violate any of the following parameters, at any place:

(1) Dissolved oxygen: 5.0 mg/l minimum;

(2) Dissolved surfide: 0.1 mg/l maximum;

(3) pH: 7.0 to 8.5;

(4) Any other substance which may impair any protected beneficial uses, may be harmful to aquatic life or wildlife, or may render aquatic life or wildlife unfit or unpalatable for consumption;

b. Odor: Presence, or absence, characterization, source, and distance of travel.

c. Evidence of ponded water on the top of the fill.

d. Evidence of any expansion of the mud wave beyond the 48 acre project site.

e. A sketch shall be submitted with each report showing the locations and estimated sizes of a, b, c, and d.

2. Receiving Water:

Evidence of:

a. any floatable material from being in any position where it is, or can be, in contact with surface waters of the State or can be carried from the site and deposited in the waters of the State;

b. the erosion of the perimeter of the fill project;

c. the creation of any condition of pollution or nuisance as defined in section 13050 of the California Water Code;

d. the presence of foam, grease, or oil in waters of the State, at any place.

e. the fill project causing any alteration in turbidity or discoloration beyond natural background levels in waters of the State. Temporary turbidity or discoloration which occurs during actual placement of fill material will not be regarded as a violation of this provision.

f. Odor: Presence or absence, characterization, source, distance of travel.

g. Evidence of beneficial water use.

(1) Fishing - estimated number of fishermen in the vicinity of the sampling stations.

(2) Waterfowl and other water-associated wildlife - estimated number in water and adjacent land area.

(3) Recreational boating - estimated number.

h. Hydrographic condition.

(1) Time and height of high and low tides corrected to nearest location, for the sampling date, and time of sample collection.

(2) Water sampling depths.

i. Weather condition.

(1) Air and water temperatures.

(2) Wind - direction and estimated velocity.

(3) Precipitation - total precipitation during the previous five days and on the day of observation.

3. Periphery of Fill Area

Item III-C-2f, relative to receiving water odor observation, and Item III-C-2i(2), relative to wind observations, will apply.

4. Fill Materials

a. Inspect and report on all wastes other than: earth, rock, concrete, reinforced concrete, asphalt paving fragments, brick, clay products, and glass.

b. Report number of loads dumped on site per day.

c. Report number of loads rejected or removed from site because of illegal materials (including wood particles).

IV. SAMPLING STATIONS

A. Leachate

L-1 through L-n	Located along the edge of the fill at each point from which liquid is observed to be leaching. The discharger shall designate these in numerical order counter-clockwise from the southwestern corner of the fill.

B. Receiving Waters

Stations to be sampled routinely

C-1 through C-10	Located in the receiving water at equal intervals along the south face of the fill (9 stations) and at its eastern tip, all as close to the shoreline as can be reached safely from a shallow-draft boat. Locations are indicated on the attached map.

Stations to be sampled when leachate enters the receiving waters

CL-1 through CL-n	Located in the receiving water immediately offshore from each "L" station and as close to the waterline as can be reached safely from either a shallow-draft boat or from shore, whichever provides access closer to the waterline. The discharger shall designate these as "CL-1" through "CL-n", using numbers identical with those for the related "L" stations.

C. Land Observation

P-1 through P-n	Located along the periphery of the fill site at approximately equal intervals not exceeding 200 feet. The discharger shall designate these in numerical order counter-clockwise from the southwestern corner of the fill.

V. SCHEDULE OF SAMPLING, ANALYSIS, AND OBSERVATIONS

Sampling, analysis, and observations shall be performed as specified in Table I.

VI. RECORDS TO BE MAINTAINED

A. Written records shall be maintained showing the following for each sample:

1. Identity of sampling and/or observation stations by number.

2. Date and time of sampling and/or observations.

3. Date and time that analyses are started and completed and name of personnel performing the analyses.

4. Complete procedure used, including method of preserving sample, and identity and volumes of reagents used. A reference to specific section of "Standard Methods" is satisfactory.

5. Calculations of results.

6. Results of analyses and/or observations.

VII. REPORTS TO BE FILED WITH THE REGIONAL BOARD

A. Accidental Spills

Written reports on each accidental spill shall be filed no later than 15 days after the event. Refer to Section III B above for instructions about telephone reporting at the time of each spill, and for details of the report.

B. Regular Monitoring Reports

Reports pursuant to the routine Self-Monitoring as specified in Sections V and VI above shall be filed for each calendar month by the fifteenth (15) day of the following month. Each such report shall include the data specified below, presented in orderly tabulations, or summary statements for information more readily expressed verbally:

1. Analytical data for each constituent of each sample collected at each receiving water and leachate station, including:

a. Number of days on which analyses were performed.

b. Results of analyses, observations, and measurements obtained in mg/l or other units.

c. Number and percent of days on which determinations were made which were in excess of the requirements.

2. Results of all observations made.

3. Map showing the location of each "C", "CL", "L", and "P" Station, the fill area, and adjoining features adequate to relate the data thereto.

VIII. LETTER OF TRANSMITTAL

A letter transmitting self-monitoring reports should accompany each report. Such a letter should be signed by the official of the discharger who has the overall responsibility for the self-monitoring program, and said letter shall contain a statement by said official under penalty of perjury that to the best of the signer's knowledge the report is true and correct.

IX. CONDITIONS

A. All remnants of the debris-retaining fence shall be removed from the waters of the State by January 1, 1977. A report documenting that the remnants of the fence has been removed shall be sent to this office on or before January 1, 1977.

B. The Regional Board's staff or representatives shall be allowed to inspect the site without advance notice to the defendant, provided that any such inspections occur during daylight hours, Monday through Friday, and that the Regional Board's staff notify the Port's Engineering Office immediately by telephone if any violations are noted.

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

1. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger. Revisions will be ordered by the Executive Officer.

FRED H. DIERKER
Executive Officer

Attachment:
Table I

date ordered: September 23, 1976

TABLE I

SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSES

Footnotes	Sampling Station	Type of Sample	pH (units)	Dissolved Oxygen (mg/l)	Temperature (°C)	Sulfides, Total & Dissolved (mg/l)	All Applicable Standard Observations	
(1) (2) (3)	C Station	Grab	M	M	M	M	W	
(1) (2) (3)	L Station	Grab	E	E	E	E	D	
(1) (2) (3)	CL Station	Grab	E	E	E	E	W	
(1)	P Stations	Observation					W	
	Fill Material	Observation					D	

LEGEND FOR TABLE

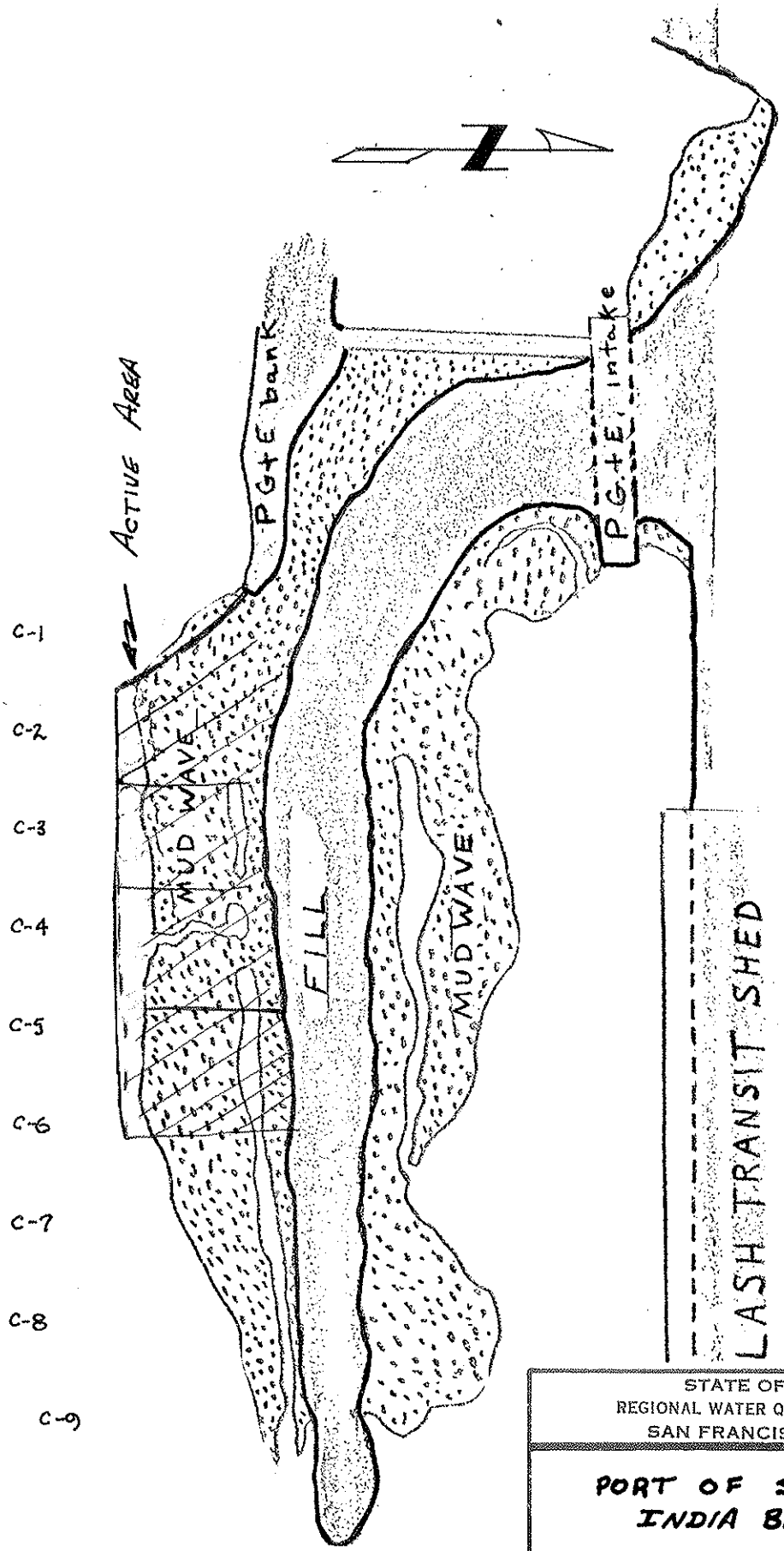
D = daily
W = weekly
M = monthly
E = each occasion, but only once per month at each "L" & "CL" Station.

FOOTNOTES:

(1) All observations (e.g., floating debris, odors, etc.) and station locations and designations are to be shown on a sketch, drawn to a convenient scale, and these sketches shall accompany each report.

(2) All standard observations and water sampling shall be made during a period when the predicted tidal elevation is less than +1.0 feet above MLLW and during an ebbing tide during regular working hours. The only exception shall be when the above is not possible, and then sampling and observations shall be at the lowest tide during regular working hours.

(3) Each time a violation 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.



STATE OF CALIFORNIA
REGIONAL WATER QUALITY CONTROL BOARD
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PORT OF SAN FRANCISCO
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