CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 86-12
NPDES NO. CA0038563

REISSUING WASTE DISCHARGE REQUIREMENTS FOR:

City of Mountain View
Small Boat Lake
Mountain View, Santa Clara County

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter called the board), finds that:

1. The City of Mountain View, hereinafter called the discharger, by application dated August 9, 1985, has applied for reissuance of waste discharge requirements under the National Pollutant Discharge Elimination System.

2. The discharger presently discharges dry weather flow of 6.6 million gallons per day (mgd) from its 50 acre lake. The discharger proposes to discharge waste containing pollutants into San Francisco Bay, a water of the United States, at two points:

   Waste 001 consists of approximately 6.6 mgd of saline lake water and surface drainage to the lake. The waste would be discharged to Mountain View Slough at Longitude N 37° 25′ 53″ and Latitude W 122° 05′ 12″. During dry weather the waste would consist primarily of water pumped into the lake from Charleston Slough. During wet weather the discharge would also contain runoff from nearby landscaped areas.

   Waste 002 consists of a discharge occurring no more than twice each year of approximately 3250 gallons of lake water to the nearby Coast Casey stormwater forebay to control weed growth and maintain stormwater retention capacity. The discharge would mix with urban storm runoff which would be pumped into the Palo Alto Flood Control Basin which empties into South San Francisco Bay.

3. Discharge of Waste 001 is presently governed by Waste Discharge Requirements contained in Order No. 78-70 which allows discharge to San Francisco Bay. The discharge of Waste 002 is a new discharge.

4. The Regional Board adopted a revised Water Quality Control Plan for Mountain View Slough and San Francisco Bay Region (Basin Plan) on July 21, 1982. The Basin Plan contains water quality objectives for San Francisco Bay and contiguous waters.

5. The beneficial uses of san Francisco Bay and contiguous water bodies are:

Water contact recreation
Non-contact water recreation
Wildlife Habitat
Preservation of Rare and Endangered Species
Estuarine Habitat
Fish migration and spawning
Industrial service and process supply
Shellfish harvesting
Navigation
Commercial and Sport Fishing

6. The beneficial uses of the Small Boat Lake are:

Water contact Recreation
Non-contact Water Recreation
Wildlife Habitat
Preservation of Rare and Endangered Species
Estuarine Habitat
Commercial and Sport Fishing

7. The lake water has limited and controlled exchange with San Francisco Bay, and is, therefore, susceptible to unusually dense biological growth and resulting nuisance conditions. Its release into the Bay is a discharge of pollutants as defined in Section 502 of the Clean Water Act.

8. An acceptable Interim Lake Management Plan has been submitted for the purpose of providing Lagoon and regulatory personnel with a source of information describing all equipment, facilities, and recommended operating strategies, process control monitoring, and maintenance activities necessary to assure consistent compliance and/or minimize non-compliance. Review of and improvement upon the operating strategies given in the Plan is necessary.

9. Applications of biocides, specifically herbicides, has not been proposed by the discharger in the Interim Lagoon Management Plan or elsewhere.

10. The Small Boat Lake is surrounded by a closed landfill that potentially threatens lake water quality. The landfill has been closed in accordance with a plan approved by the Regional Board. Monitoring is needed to detect any leachate entering the lake.

11. This Order serves as an NPDES Permit, issuance of which is exempt from the provisions of Chapter 3 (commencing with Section 21100) of Division 13 of the Public Resources Code (CEQA) pursuant to Section 13389 of the California Water Code.

12. The discharger and interested agencies and persons have been notified of the Board's intent to reissue requirements for the existing and proposed discharges and have been provided with the opportunity for a public hearing and the opportunity to submit their written views and recommendations.

13. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that the City of Mountain View in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder and the provisions of the Clean Water Act as amended and regulations and guidelines adopted thereunder shall comply with the following:

A. Discharge Prohibitions

1. The discharge of any sewage or industrial waste to the Small Boat Lake is prohibited. The prohibition does not apply to normal stormwater runoff from adjacent land areas.

2. The application of biocides is prohibited unless it has been demonstrated to the satisfaction of the Regional Board that a net environmental benefit results from their application. Should the use of biocides become necessary during development of the Final Lagoon Management Plan, written approval must be first obtained from the Executive Officer of the Regional Board.

B. Lake Water Limitations

1. The discharger shall maintain the following limits of quality:

a. Chlorophyll 'a' - less than 50 ug/l increase above the Mountain View Slough concentration;

b. Dissolved oxygen - 5.0 mg/l, minimum;

c. The moving median value for the MPN of total coliform in any five (5) consecutive effluent samples shall not exceed 240 coliform organisms per 100 milliliters. Any single sample shall not exceed 1000 MPN/100 ml.

2. The discharger shall not cause the following conditions at any point in the lake:

a. Floating, suspended, or deposited macroscopic particulate matter, or foam above natural background levels in San Francisco Bay and Mountain View Slough;

b. Significant increase in apparent color or turbidity beyond natural background levels in San Francisco Bay and Mountain View Slough;

c. Aquatic growths in quantities sufficient to create a nuisance condition as defined in the California Water Code;

d. Visible, floating, suspended, or deposited oil or other products of petroleum origin;

e. Toxic or other deleterious substances to 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.

C. Receiving Water Limitations (San Francisco Bay and Mountain View Slough)

1. The discharge of waste shall not cause the following conditions to exist in waters of the state at any place:

a. Floating, suspended, or deposited macroscopic particulate matter, or foam above natural background levels in San Francisco Bay and Mountain View Slough;

b. Significant increase in apparent color or turbidity beyond natural background levels in San Francisco Bay and Mountain View Slough;

c. Aquatic growths in quantities sufficient to create a nuisance condition as defined in the California Water Code;

d. Visible, floating, suspended, or deposited oil or other products of petroleum origin;

e. Toxic or other deleterious substances to 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.

2. The discharge shall not cause a violation of any applicable wate quality standard for receiving waters adopted by the Board or the State Water Resources Control Board as required by the Clean Water Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Clean Water Act, or amendments thereto, the Board will revise and modify this Order in accordance with such more stringent standards.

D. Provisions

1. The discharger shall comply with all sections of this Order immediately upon adoption.

2. Order No. 79-70 is hereby rescinded by this Order.

3. Pursuant to Finding 8 above, the discharger shall, according to the following schedule:

Task	Date
a. Submit a draft Final Lagoon Management Plan to the Executive Officer by	April 1, 1987
b. Submit a Final Lagoon Management Plan, which is responsive to the Executive Officer's comments on the draft report by	August 1, 1987

The discharger shall submit to the Board on or before each compliance report due date, a report detailing its compliance or noncompliance with the specific schedule date and task. If noncompliance is being reported, the reasons for such noncompliance shall be stated, the efforts taken to meet compliance, plus an estimate of the date when the discharger will be in compliance. The discharger shall notify the Board by letter when it has returned to compliance with the time schedule.

4. The Intermim Lake Management Plan and, following approval by the Executive Officer, the Final Lake Management Plan, shall serve as the basis for lake operation and procedures set forth therein shall be followed provided that they are consistent with this Order.

5. The discharger shall review and update its Lake Management Plan annually, or in the event of significant facility or process changes, shortly after such changes have occurred. Annual revisions, or letters stating that no changes are needed, shall be submitted to the Regional Board by April 15 of each year beginning in 1988.

6. The discharger shall comply with the attached self-monitoring program as adopted by the Board and as may be amended by the Executive Officer.

7. The discharger shall notify the Board immediately of any detection of leachate from the landfill entering the small boat lake. A written report shall be submitted within ten (10) working days of notification describing the conditions, the actions the discharger will take to correct the problem, and a time schedule for compliance.

8. The discharger shall comply with all items of the attached "Standard Provisions, Reporting Requirements and Definitions" dated April 1977 with the exception of Provisions A.5 and B.3.

9. This Order expires on March 19, 1991. The discharger must file a Report of Waste Discharge in accordance with Title 23, Chapter 3, Subchapter 9 of the California Administrative Code not later than 180 days in advance of such expiration date as application for issuance of new waste discharge requirements.

10. This Order shall serve as a National Pollutant Discharge Elimination System Permit pursuant to Section 402 of the Clear Water Act or amendments thereto, and shall become effective ten (10) days after the date of its adoption provided the Regional Administrator, Environmental Protection Agency, has no objection. If the Regional Administrator objects to its issuance, the permit shall not become effective until such objection is withdrawn.

I, Roger B. James, 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 March 19, 1986.

ROGER B. JAMES
Executive Officer

Attachments:
Standard Provisions & Reporting
Requirements, April 1977
Self-Monitoring Program

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM
FOR

CITY OF MOUNTAIN VIEW

SMALL BOAT LAKE

MOUNTAIN VIEW, SANTA CLARA COUNTY

NPDES NO. CA0038563

ORDER NO. 86-12

CONSISTS OF

PART A (Dated January 1, 1978)

AND

PART B Adopted August 15, 1978
Revised March 19, 1986

PART B

1. DESCRIPTION OF SAMPLING STATIONS

A. INTAKE

Station	Description
I-1	At a point in Charleston Slough immediately adjacent to the Small Boat Lake intake structure, as indicated on the attached map.

B. EFFLUENT

Station	Description
E-1	At a point in the Small Boat Lake immediately adjacent to the overflow structure, as indicated on the attached map.

C. SMALL BOAT LAKE WATER

Station	Description
SML-1	At a point in the Small Boat Lake, near the boat launching area located along the east shore, in the vicinity of the "SML-1" shown on the attached map.
SML-2	At the end of the boardwalk located at the west end of the Small Boat Lake, shown as "SML-2" on the attached map.

D. RECEIVING WATERS

Station	Description
R-1	At a point in Mountain View Slough located near the end of the fire road on the dike lying southerly of the Leslie Salt Company salt evaporators in the vicinity of "R-1" shown on the attached map.
R-2	At a point in Mountain View Tidal Marsh in the vicinity of "R-2" shown on the attached map.

II. SCHEDULE OF SAMPLING, MEASUREMENT, AND ANALYSIS

A. The schedule of sampling and analysis shall be that given as Table I.

III. MODIFICATION OF PART "A" DATED JANUARY 1978

A. Modified to exclude the following paragraphs: C.1, C.3, C.4, C.5.d, C.5.e, D.1, D.2.a, D.3.a, D.4, E, F.3.g.

B. 1. Paragraph F.3.c is modified to include the following: Effluent data summary shall be sent only to the Regional Board and does not need to be sent to the Environmental Protection Agency, Region IX.

2. Self-monitoring reports shall be submitted quarterly.

I, Roger B. James, Executive Officer, hereby certify that the foregoing 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 in Regional Board Order No. 86-12.

2. Is effective March 19, 1986.

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

Roger B. James

ROGER B. JAMES
Executive Officer

Attachments:
Table I
Map of Sampling Station Locations

TABLE I

SCHEDULE FOR SAMPLING, MEASUREMENT, AND ANALYSIS

NPDES NO. CA0038563 ORDER NO. 86-

SAMPLING STATIONS	(3) I-1	E-1	SML-1	SML-2	(7) R-1	(7) R-2
TYPE OF SAMPLE	G	G	G	G	G	S
Flow Rate, mgd		(1) D				
Turbidity (Jackson Turbidity Units)	M		M	M	(2) 2M	(2) 2M
pH	M	M	M	M	2M	2M
Chlorophyll a (ug/l)			M	M		
Shellfish Chemistry	(6) Y		(6) Y			
Dissolved Oxygen (mg/l)		(2) M	(5) M	(5) M		
Oil & Grease (mg/l)		M				
Total Coliform (MPN/100ml)		(5) M	(5) M	(5) M		
Temperature (°C)	(5) M	(5) M	(5) M	(5) M	(5) 2M	(5) 2M
All Applicable Standard Observations		(4,5) M	(4,5) M	(4,5) M	(4,5) 2M	(4,5) 2M

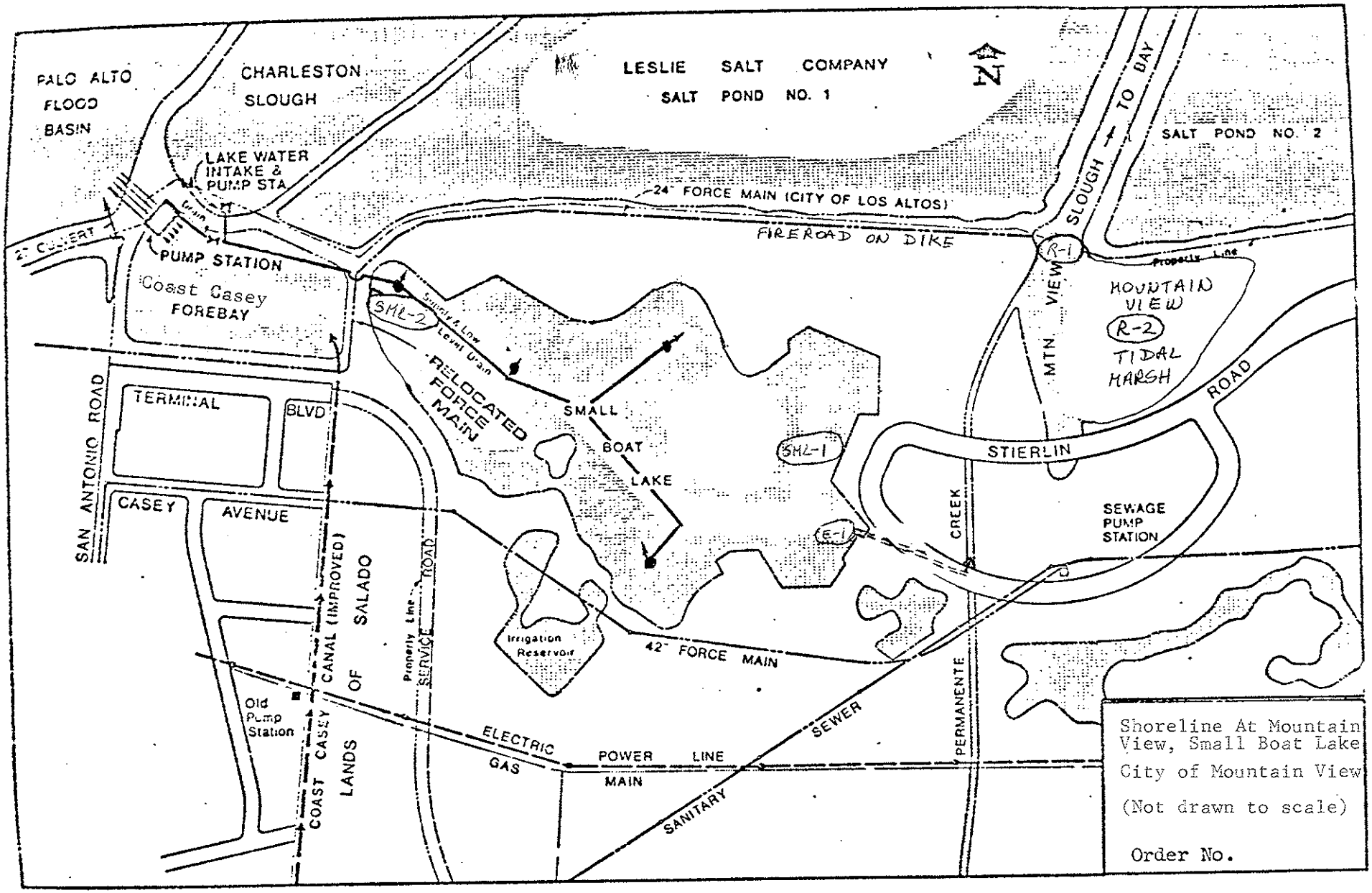
LEGEND FOR TABLE

TYPE OF SAMPLE
G = grab sample

FREQUENCY OF SAMPLING
M = once each month
2M = once every two months
Y = once each year

FOOTNOTES:

1. To be estimated based on the daily influent pump rate.
2. To be sampled while discharge from the Small Boat Lake is occurring.
3. Samples of intake water shall be collected on days coincident with sampling of Small Boat Lake water.
4. Small Boat Lake water standard observations shall be the same as those described for receiving waters in Part A, Paragraph C.5.a.
5. Sampling frequency shall be increased to twice per month during May through September.
6. Indentical samples (i.e. number, species composition, etc.) of shellfish shall be collected in the lake and a reference site (Charleston Slough) and the tissue analyzed for concentration of metals and synthetic organic chemicals according to the methodology given in California State Mussel Watch (1983-84), State Water Resources Control Board, Water Quality Monitoring Report No. 85-2WQ.
7. Station R-1 to be sampled every two months beginning in January of each year; Station R-2 to be sampled every two months beginning in February of each year (i.e. on alternate months from R-1).



Shoreline At Mountain View, Small Boat Lake

City of Mountain View

(Not drawn to scale)

Order No.