

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 85-16
NPDES NO. CA0037842

REISSUING WASTE DISCHARGE REQUIREMENTS FOR:

CITIES OF SAN JOSE AND SANTA CLARA
SAN JOSE/SANTA CLARA WATER POLLUTION CONTROL PLANT
SAN JOSE
SANTA CLARA COUNTY

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

1. The Cities of San Jose and Santa Clara (hereinafter discharger) by application dated August 27, 1984 has applied for reissuance and amendment of waste discharge requirements under the National Pollutant Discharge Elimination System, NPDES Permit No. CA0037702.
2. The discharger presently discharges dry weather flow of 123 million gallons per day (mgd) from its advanced secondary treatment facility at 700 Los Esteros Road, San Jose. Treatment facilities consist of primary sedimentation, secondary (activated sludge), nitrification, filtration, chlorination and dechlorination. The facility has a current dry weather design capacity of 138 mgd. This facility treats domestic and approximately 12 mgd of industrial wastewater from the Cities of San Jose, Santa Clara, and Milpitas; County Sanitation Districts' #2, #3, and #4; and the Cupertino, Burbank, and Sunol Sanitary Districts. The treated wastewater is discharged from the treatment plant (37deg 26min 06sec N latitude and 121deg 57min 08sec W longitude) into Artesian Slough via Coyote Creek to waters of San Francisco Bay and its tributaries south of Dumbarton Bridge, all waters of the United States. Sludge from the wastewater treatment processes is disposed of on-site in lagoons.

The discharger is expanding the wastewater treatment facilities and rehabilitating the sludge disposal facilities. Upon completion of the Intermediate Improvements Phase IIA and Phase IIB construction projects dry weather certified capacity is expected to be 143 mgd. Intermediate-term Improvements Phase IIA and IIB are almost complete. Completion of the Intermediate-term Improvement facilities Phase IIC in June 1986 will provide additional process reliability that is critical to the discharge location. Upon completion of the First Stage Expansion projects the treatment facilities will have a dry weather capacity of 167 mgd. First Stage Expansion project are currently being advertised for construction contract award with completion and certification also expected in mid-1986.

3. This discharge is presently governed by Waste Discharge Requirements Nos. (NPDES Permit) 82-35, Time Schedule Order Nos. 81-11 and 82-36, and Cease

and Desist Order Nos. 79-147, 80-20, and 82-23. This Order amends and reissues Waste Discharge Requirements; Time Schedule Order amendments are found in Order No. 85-17 and Cease and Desist Order rescission is found in Order No. 85-18.

4. The Regional Board adopted a revised Water Quality Control Plan for San Francisco Bay Region (Basin Plan) on July 21, 1982. The Basin Plan contains water quality objectives for Artesian Slough, South San Francisco Bay and contiguous waters.
5. The beneficial uses of Artesian Slough, South San Francisco Bay and contiguous water bodies are:
 - o Water contact recreation
 - o Non-contact water recreation
 - o Wildlife Habitat
 - o Preservation of Rare and Endangered Species
 - o Estuarine and Cold Fresh Water Habitat
 - o Fish migration and spawning
 - o Industrial service and process supply
 - o Shellfish harvesting
 - o Navigation
 - o Commercial and Sport Fishing
6. The current discharge location is prohibited under the Basin Plan due its location south of the Dumbarton Bridge, lack of 10 to 1 initial dilution and discharge to a dead-end slough. Public access to the actual discharge location is limited. The discharger is a member of the South Bay Dischargers Authority which is currently undergoing a Board ordered study to establish supporting data to request Board consideration to allow continuous discharge in the existing location under Basin Plan exception criteria. Time Schedule Order No. 85-17 adopted by the Board allows for the study and delay in implementing the Basin Plan Prohibitions. Additionally, the discharger must comply with Board Resolution No. 84-11 requiring compliance with this Permit's prohibitions by July 1, 1988 under the EPA's Municipal Compliance Policy and the States' NPDES Compliance Policy. Time Schedule Order No. 85-17 also includes the Municipal Compliance Plan time schedule.
7. An Operations and Maintenance Manual is maintained by the discharger for purposes of providing plant 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 and upsets. In order to remain a useful and relevant document, this manual should be kept updated to reflect significant changes in plant facilities or activities.
8. The discharger has an EPA approved Local Pretreatment Program for source control and application of pretreatment standards.
9. This Order serves as an NPDES Permit, reissuance 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.

10. 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.
11. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that the discharger 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. Discharge of waste to waters of San Francisco Bay south of Dumbarton Bridge or tributaries thereto is prohibited.
2. Discharge of waste not receiving initial dilution of at least 10 to 1 is prohibited.
3. Discharge of waste to dead-end sloughs or confined waterways is prohibited.
4. There shall be no bypass or overflow of untreated wastewater to waters of the state at the treatment plant or from the collection system under the control of the discharger.
5. The average dry weather flow shall not exceed 138 mgd. Average shall be determined over any five-day period during the months of June through October. This capacity may be increased to 143 mgd with the completion of the Intermediate Facilities (Phase IIA and IIB) and to 167 mgd upon completion of Intermediate-term Improvement facilities Phase IIC and the First Stage Expansion Project Facilities. These capacity increases shall become effective only upon submission of documentation satisfactory to the Executive Officer certifying reliable, and satisfactory operations and capacity.

B. Effluent Limitations:

1. The discharge of an effluent containing constituents in excess of the following limits is prohibited:

<u>Constituent</u>	<u>Units</u>	<u>Monthly Average</u>	<u>7-Day Average</u>	<u>Maximum Daily</u>	<u>Instantaneous Maximum</u>
a. BOD	mg/l	10	-	20	-
b. Suspended Solids	mg/l	10	-	20	-
c. Oil & Grease	mg/l	5	-	10	-
d. Settleable Matter	ml/l-hr	0.1	-	-	0.2
e. Turbidity	NTU	-	-	-	10

1. Chlorine Residual mg/l - - - 0.0
2. The discharge shall not have pH of less than 6.5 nor greater than 8.5.
3. The survival of test organisms acceptable to the Executive Officer in 96-hour bioassays of the effluent shall achieve a median of 90% survival for three consecutive samples and a 90% percentile value of not less than 70% survival based on the ten most recent consecutive samples.
4. Representative samples of the effluent shall not exceed the following limits for the measurement period indicated [a]:

<u>Constituent</u>	<u>Unit of Measurement</u>	<u>6 month median</u>	<u>Daily maximum</u>
Arsenic	mg/l	0.01	0.02
Cadmium	mg/l	0.02	0.03
Total Chromium	mg/l	0.01	0.02
Copper	mg/l	0.2	0.3
Lead	mg/l	0.1	0.2
Mercury	mg/l	0.001	0.002
Nickel	mg/l	0.1	0.2
Silver	mg/l	0.02	0.04
Zinc	mg/l	0.3	0.5
Cyanide	mg/l	0.1	0.2
Phenolic Compounds	mg/l	0.5	1.0
Total Identifiable	mg/l	0.002	0.004
Chlorinated Hydrocarbons [b]			

Notes for Effluent Limitation B.5.:

- [a.] These limits are intended to be achieved through secondary treatment, source control and application of pretreatment standards.
- [b.] Total Identifiable Chlorinated Hydrocarbons shall be measured by summing the individual concentrations of DDT, DDD, DDE, aldrin, BHC, chlordane, endrin, heptachlor, lindane, dieldrin, polychlorinated biphenyls, and other identifiable chlorinated hydrocarbons.

5. The arithmetic mean of values for BOD and Suspended Solids in effluent samples collected in a period of 30 consecutive days shall not exceed 15 percent of the arithmetic mean of respective values for influent samples collected at approximately the same times during the same period (i.e. 85 percent removal).
6. At some point in the treatment process, the waste shall not exceed a median MPN for Total Coliform Organisms of 23/100ml nor a maximum of 240/100ml, as determined from the results of the previous consecutive five (5) days for which analysis have been completed.

C. Receiving Water Limitations:

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;
 - b. Bottom deposits or aquatic growths;
 - c. Alteration of temperature, turbidity, or apparent color beyond present natural background levels;
 - 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 of waste shall not cause the following limits to be exceeded in waters of the state in any place within one foot of the water surface:

- a. Dissolved oxygen 5.0 mg/l minimum.
Median of any three consecutive months shall not be less than 80% saturation. When natural factors cause lesser concentrations than those above, then this discharge shall not cause further reduction in the concentration of dissolved oxygen.
- b. Dissolved sulfide 0.1 mg/l maximum
- c. pH Variation from natural ambient pH by more than 0.5 pH units.
- d. Un-ionized ammonia 0.025 mg/l as N Annual Median
0.4 mg/l as N Maximum

3. The discharge shall not cause a violation of any applicable water 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. Land Disposal Requirements:

- 1. The discharge of sewage sludge shall not cause waste material to be in any position where it is, or can be, carried from the Land Disposal Site and deposited in waters of the State.

2. The Land Disposal Site shall have facilities adequate to divert surface runoff from adjacent areas, to protect boundaries of the site from erosion, and to prevent any conditions that would cause drainage from the materials in the disposal site. Adequate protection is defined as protected from at least a 100-year storm and from the highest tidal stage that may occur.
3. The disposal to the Land Disposal Site of other than sewage sludge produced as a result of the operation of the dischargers' wastewater treatment facilities is prohibited.
4. The Board intends at a later date to amend and/or revoke and reissue this part of these requirements to comply with the current California Administrative Code requirements. (Title 23, Chapter 3, Subchapter 15)

E. Provisions:

1. The requirements prescribed by this Order supersede the requirements prescribed by Order No. 82-35. Order No. 82-35 is hereby rescinded. Rescission of Cease and Desist Order eliminates the need for Orders 79-147 and 78-92; Orders No. 79-147 and 78-92 are also hereby rescinded.
2. Where effluent concentration limits in mg/l are contained in this permit, the following mass emission limitations shall also apply as follows:

$$\text{Mass Emission Limit in (lbs/day), (kg/day)} = \text{Concentration limit in mg/l} \times (8.34), (3.79) \times \text{Actual Flow in mgd averaged over the time interval to which the limit applies.}$$
3. The discharger shall comply with all sections of this Order immediately upon adoption except as stipulated in Time Schedule Order No. 85-17.
4. The discharger shall review and update his Operations and Maintenance Manual 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 1986. A time schedule for completion of the initial revision shall be submitted by July 1, 1985. Documentation of operator input and review shall accompany each annual update.
5. The discharger shall review and update by July 1, 1985 and annually thereafter its contingency plan as required by Board Resolution No. 74-10. The discharge of pollutants in violation of this Order where the discharger has failed to develop and/or implement a contingency plan will be basis for considering such discharge a willful and negligent violation of this Order pursuant to Section 13387 of the California Water Code.
6. The discharger shall implement its approved industrial Pretreatment Program in accordance with legal authorities, policies, and

procedures described in its pretreatment document and in accordance with the federal Clean Water Act, Section 402(b)(8) and (9) and federal pretreatment regulations in 40 CFR 403.

- a. The permittee shall maintain an adequate revenue program and enforce prohibitions of any applicable National Pretreatment Standards established by the U.S. Environmental Protection Agency (EPA).
 - b. The discharger shall comply with the requirements titled "Pretreatment of Industrial Wastewater" (Attached) and "Requirements for Pretreatment Annual Report" (Attached) and shall be subject to enforcement actions, penalties, fines and other remedies as provided for therein and by California law. The sampling and monitoring requirements may be modified upon request of the discharger and written approval of the Executive Officer.
7. The discharger shall comply with the attached self-monitoring program as adopted by the Board and as may be amended by the Executive Officer.

The Regional Board through the Aquatic Habitat Program, is currently evaluating appropriate bioassay methods for wastewater dischargers within San Francisco Bay. Once methods have been recommended for use in a regulatory monitoring program and approved by the Board, the self-monitoring program may be modified to implement appropriate bioassay methods.

The U.S. Environmental Protection Agency has developed a policy for the Development of Water Quality Based Permit Limitations for Toxic Pollutants. This permit may be modified or reissued to implement this policy.

- B. The discharger shall comply with all items of the attached "Standard Provisions, Reporting Requirements and Definitions" dated April 1977 with the exception of Provision A.12. and Reporting Requirements B.2. and B.3.

Item C.2. of the Standard Provisions shall be amended to read as follows:

"The 30 day (monthly) average discharge is the total discharge by weight during a 30 consecutive day (month) period, respectively, divided by the number of days in the period that the facility was discharging. Where less than daily sampling is required by this permit, the 30-day (month) average discharge shall be determined by the summation of all the measured discharges by weight divided by the number of days during the 30 consecutive calendar day period (month) when the measurements were made. For other than 30-day (month) periods, compliance shall be based upon the average of all measurements made during the specified period."

9. This Order expires February 19, 1990. 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 100 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 Clean Water Act or amendments thereto, and shall become effective 10 days after 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 February 20, 1985.

ROGER B. JAMES
Executive Officer

Attachments:

Standard Provisions & Reporting Requirements, April 1977
Self-Monitoring Program
Resolution No. 74-10
Pretreatment of Industrial Wastewater
Requirements for Pretreatment Annual Report

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

AMENDED
AND
REISSUED

SELF-MONITORING PROGRAM

FOR

CITIES OF SAN JOSE/SANTA CLARA
SAN JOSE/SANTA CLARA WATER POLLUTION CONTROL PLANT
SANTA CLARA COUNTY

NPDES NO. CA 0037842

ORDER NO. 85-16

CONSISTS OF

PART A
(dated January 1978)

AND

PART B
(Amended and Ordered February 20, 1985)

PART B

I. DESCRIPTION OF SAMPLING STATIONS

A. INFLUENT AND INTAKE

<u>Station</u>	<u>Description</u>
A-001	At any point in the treatment facilities headworks at which all waste tributary to the system is present.

B. EFFLUENT

<u>Station</u>	<u>Description</u>
E-001	At any point in the outfall from the treatment facilities between the point of discharge and the point at which all waste tributary to that outfall is present. (May be the same as E-001-D).
E-001-D	At any point in the disinfection facilities for Waste E-001 at which point adequate contact with the disinfectant is assured.

C. RECEIVING WATERS

<u>Station</u>	<u>Description</u>
C-1	At a point, in the dredged channel, located within 100 feet from the point of discharge.
C-2	At a point in Artesian Slough located about 6000 feet north of the point of discharge (formerly known as C-2-3).
C-3	At a point in Artesian Slough located 8000 feet northerly from point of discharge (formerly known as C-2-5).
C-4	At a point in Coyote Creek at the S.P.R.R. crossing over Coyote Creek (formerly known as C-3-0).
C-5	At a point in Coyote Creek 5000 feet westerly from the S.P.R.R. crossing over Coyote Creek and opposite the location of the old outfall from the City of San Jose sewage treatment plant (formerly known as C-4-0).
C-6	At a point in Coyote Creek located approximately 200 feet south of the northerly shoreline and approximately 2500 feet easterly from the point where the Pacific Gas and Electric Company power lines cross the northerly shore of Coyote Creek (formerly known as C-6-0).

- C-7 At a point, in Alviso Slough, located 1000 feet southerly of the mouth of Alviso Slough (formerly known as C-5-4).
- C-8 At a point in Coyote Creek located within 50 feet of the first tower of Pacific Gas and Electric Company power line northerly of the southerly shoreline in the main channel of Coyote Creek (formerly known as C-7-0).
- C-9 At a point in San Francisco Bay located within 200 feet of the channel marker No. 5 at the mouth of Coyote Creek in the main channel.
- C-10 At a point in San Francisco Bay located midpoint at the mouth of Mowry Slough.

D. LAND OBSERVATIONS

<u>Station</u>	<u>Description</u>
P-1 thru P-'n'	Located at the corners and midpoints of the perimeter fence line surrounding the treatment facilities. (A sketch showing the locations of these stations will accompany each report).
L-1 thru L-'n'	Located along the perimeter levee at equidistant intervals not to exceed 500 feet. (A sketch showing the locations of these stations will accompany each report.)
G-1 thru G-'n'	Future groundwater monitoring wells to be specified by the Executive Officer to monitor Land Disposal Site for sewage sludge.

E. OVERFLOWS AND BYPASSES

<u>Station</u>	<u>Description</u>
DV-1 thru DV-'n'	Bypass or overflows from manholes, pump stations or collection system.

II. SCHEDULE OF SAMPLING AND ANALYSIS

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

III. MODIFICATION OF PART A, DATED JANUARY 1978:

NONE

I, Roger B. James, Executive Officer, hereby certify that the following Self-Monitoring Program:

1. Has been developed in accordance with the procedures set forth in this Regional Board's Resolution No. 7316 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 85-16.
2. Has been amended and ordered by the Regional Board on February 20, 1985.
3. May be reviewed at any time subsequent to the adoption date above upon written notice from the Executive Officer or upon consideration of a request by the discharger; revisions may be ordered by the Executive Officer.

ROGER B. JAMES
Executive Officer

Attachments:

- Table I with notes
- Receiving Water Sampling Location Map

TABLE I
SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSIS (1,7,10)

Cities of San Jose/Santa Clara WPCP

Sampling Station	A-001	E-001 ⁽¹⁾		E-001 ⁽¹⁾	D ^(1,4)	C ⁽¹¹⁾	P&L	OV
TYPE OF SAMPLE	C-24	G ⁽⁴⁾	Cont	C-24	G ⁽⁴⁾	G	O	O
Flow Rate (cont. only) (mgd)	D							
BOD, 5-day, 20° C, or COD (mg/l & kg/day) (1,3)	5/W			5/W				
Chlorine Residual & Dosage (mg/l & kg/day) (1,8)		H	or cont.					
Settleable Matter (1) (ml/1-hr. & cu. ft./day)		D						
Total Suspended Matter (1,3) (mg/l & kg/day)	5/W			5/W				
Oil & Grease (1,2) (mg/l & kg/day)		W						
Coliform (Total or Fecal) (MPN/100 ml) per week (1)					5/W	2/M		
Fish Toxicity, 96-hr. Block % Survival in undiluted waste (5,6)				2W				
Ammonia Nitrogen (mg/l & kg/day)				⁽⁹⁾ 3/W		2/M		
Nitrate Nitrogen (mg/l & kg/day)				⁽⁹⁾ 2W		3M		
Nitrite Nitrogen (mg/l & kg/day)				⁽⁹⁾ 2W		3M		
Total Organic Nitrogen (mg/l & kg/day)				⁽⁹⁾ 2W		3M		
Total Phosphate (mg/l & kg/day)				⁽⁹⁾ 2W		3M		
Turbidity (Nephelometric Jackson Turbidity Units)				W		2/M		
pH (units)		D				2/M		
Dissolved Oxygen (mg/l and % Saturation)		D				2/M		
Temperature (°C)		D				2/M		
Apparent Color (color units)				W		2/M		
Secchi Disc (inches)						2/M		
Sulfides (if DO < 5.0 mg/l) Total & Dissolved (mg/l)		D				2/M		
Arsenic (mg/l & kg/day)				⁽⁷⁾ Q				
Cadmium (mg/l & kg/day)				⁽⁷⁾ Q				
Chromium, Total (mg/l & kg/day)				⁽⁷⁾ Q				
Copper (mg/l & kg/day)				⁽⁷⁾ Q				
Cyanide (mg/l & kg/day)				⁽⁷⁾ Q				
Silver (mg/l & kg/day)				⁽⁷⁾ Q				
Lead (mg/l & kg/day)				⁽⁷⁾ Q				

TABLE I (continued)
SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSIS (1,7,10)
CITIES OF SAN JOSE/SANTA CLARA WPCP (CONT.)

Sampling Station	A-001	E-001 (1)	E-001 D (1,4)	G (1)	P&L	OV	
TYPE OF SAMPLE	C-24	G (1) Cont	C-24	G (4)	G	O	O
Mercury (mg/l & kg/day)			(7) Q				
Nickel (mg/l & kg/day)			(7) Q				
Zinc (mg/l & kg/day)			(7) Q				
PHENOLIC COMPOUNDS (mg/l & kg/day)			(7) Q				
All Applicable Standard Observations		D			2/M	2/W	E
Bottom Sediment Analyses and Observations							
Total Identifiable Chlorinated Hydrocarbons (mg/l & kg/day)			(7) Q				
Non-dissociated Ammonium Hydroxide as N (mg/l)					2/M		
Organic & Metallic Pollutant (see letter 5/9/84)	Y		Q				

LEGEND FOR TABLE

TYPES OF SAMPLES

- G = grab sample
- C-24 = composite sample - 24-hour
- C-X = composite sample - X hours
(used when discharge does not continue for 24-hour period)
- Cont = continuous sampling
- DI = depth-integrated sample
- BS = bottom sediment sample
- O = observation

TYPES OF STATIONS

- I = intake and/or water supply stations
- A = treatment facility influent stations
- E = waste effluent stations
- C = receiving water stations
- P = treatment facilities perimeter stations
- L = basin and/or pond levee stations
- B = bottom sediment stations
- G = groundwater stations

FREQUENCY OF SAMPLING

- E = each occurrence
- H = once each hour
- D = once each day
- W = once each week
- M = once each month
- Y = once each year

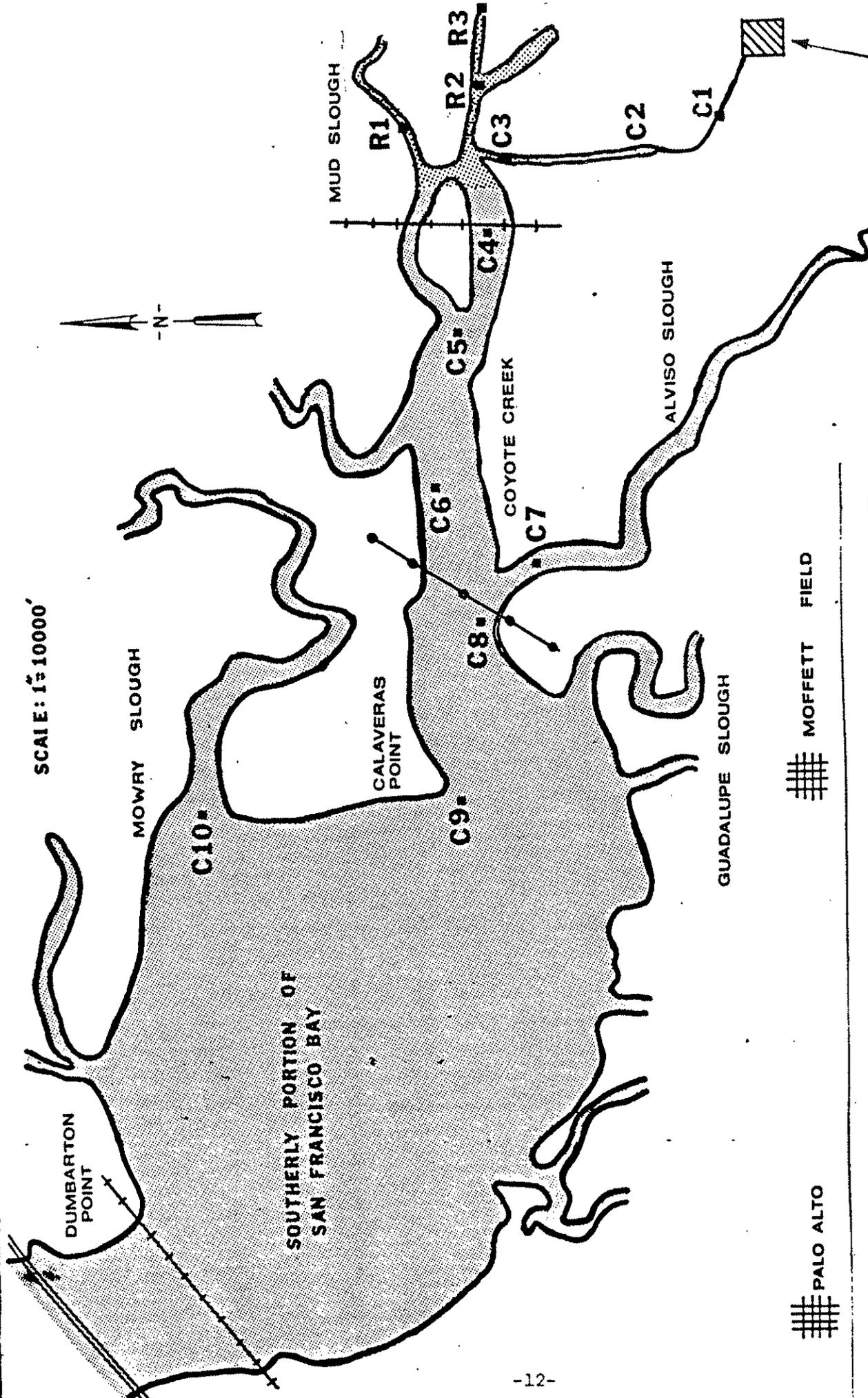
- 2/H = twice per hour
- 2/W = 2 days per week
- 5/W = 5 days per week
- 2/M = 2 days per month
- 2/Y = once in March and once in September
- Q = quarterly, once in March, June, Sept. and December

- 2H = every 2 hours
- 2D = every 2 days
- 2W = every 2 weeks
- 3M = every 3 months
- Cont = continuous

NOTES FOR TABLE I:

- 1/ During any day when bypassing occurs from any treatment unit(s) in the WPCP, the monitoring program for the effluent shall include the following in addition to the above schedule for sampling, measurement and analyses.
 - a. Composite sample for BOD and Total Suspended Solids.
 - b. Grab samples for Total Coliform, Settleable Matter and Oil and Grease.
 - c. Continuous monitoring of flow.
 - d. Continuous or every hour monitoring of chlorine residual.
- 2/ Oil and Grease sampling shall consist of a grab sample. In the event that sampling for oil and grease every two weeks or less frequency shows an apparent violation of the waste discharge permit, 30-day average limitation (considering the results of on or two day's sampling as a 30-day average), then the sampling frequency shall be increased to weekly so that a true 30-day average can be computed and compliance can be determined.
- 3/ Percent removal (effluent vs. influent) shall also be reported.
- 4/ Grab samples shall be taken on day(s) of composite sampling.
- 5/ Sample date for bioassay and for one of all other specified parameters shall coincide with composite sample(s).
- 6/ If a continuous bioassay is to be run, sample may be from E-001 prior to disinfection instead of dechlorinating E-001-D effluent.
- 7/ If any effluent sample is in violation of limits, sampling shall be increased for that parameter to at least daily or greater until compliance is demonstrated in two successive samples. Receiving water violations shall be reported in the monthly report; increased receiving water monitoring may be required.
- 8/ Data shall be reported using forms provided by the Board or an approved equivalent; chlorine residual analyzers shall be calibrated against grab samples as frequently as necessary to maintain accurate control and reliable operation. If an effluent violation is detected, grab samples shall be taken every 30 minutes until compliance is achieved.
- 9/ These parameters shall be tested for on the same composite sample used for the bioassay.
- 10/ All flow other than to the outfall (e.g. sludge, etc.) shall also be reported monthly. Daily records shall be kept of the quantity (cu. yds. or cu. ft.) and solids content (%) of dewatered sludge disposed of and the location of disposal. Modifications of this requirement may be considered with the prior approval of the Executive Officer.
- 11/ Low water slack sampling.

SCALE: 1" = 10000'



 PALO ALTO
 MOFFETT FIELD

LOCATION OF SAMPLING STATIONS FOR RECEIVING WATER QUALITY TESTING PROGRAM

SAN JOSE SANTA CLARA
WATER POLLUTION
CONTROL PLANT