

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

RESOLUTION NO. 70-89

PRESCRIBING REVISED REQUIREMENTS FOR WASTE DISCHARGE BY VALLEY COMMUNITY SERVICES DISTRICT INTO ALAMO CANAL, ALAMEDA COUNTY AND AMENDING RESOLUTIONS NOS. 330, 68-22, AND THOSE PORTIONS OF RESOLUTION NO. 446 WHICH ARE DIRECTLY APPLICABLE ONLY TO VALLEY COMMUNITY SERVICES DISTRICT

WHEREAS THIS REGIONAL BOARD HAS CONSIDERED

INFORMATION ABOUT THIS DISCHARGE

1. The Regional Water Quality Control Board prescribed requirements for this discharge in Resolution No. 330 which was amended by Resolutions Nos. 446 and 68-22.
2. Valley Community Services District filed a Report on Waste Discharge dated June 12, 1970 with this Regional Water Quality Control Board pursuant to Section 13260(b) of the California Water Code.
3. That Report describes the existing waste discharge as about 2.1 mgd from a population of 28,500 persons. Existing facilities are designed to treat an average daily flow of 2.5 mgd; the discharger plans to expand these to serve 48,000 persons at a design flow of 4.0 mgd. Discharge will be to the Alamo Canal, 6000 feet south of Interstate 580.

CORRESPONDENCE

This Regional Board has considered recommendations about this matter from:

1. State Department of Public Health in its memoranda dated October 16, 1970 and October 30, 1970.
2. State Department of Fish and Game in its memoranda dated October 20, 1970 and November 5, 1970.
3. Alameda County Water District in its letters dated October 19, 1970 and November 3, 1970.

### STAFF INVESTIGATION

1. These wastes may affect the following beneficial water uses in Arroyo de la Laguna and Alameda Creek:
  - Recharge of ground waters that are sources of supply for domestic, agricultural and industrial use;
  - Bathing in Alameda Creek;
  - Wading;
  - Fish propagation;
  - Fishing.
2. Land near the waste discharge point is used for agricultural and residential purposes.
3. The San Francisco Water Department has rights for the surface diversion of water at the confluence of Arroyo de la Laguna and Alameda Creek near Sunol and the Department also owns and uses the subsurface water rights to part of the Amador Valley south of Highway 50. The Alameda County Water District has rights for surface water diversion to the Niles Cone ground water basin from Alameda Creek between Mission Boulevard and Decoto Road for municipal, industrial and irrigation uses.
4. The City of Pleasanton owns and the Pleasanton Township County Water District uses the subsurface water rights to part of the Amador Valley south of Highway 50.
5. The waters of Arroyo de la Laguna are readily accessible to persons using the golf course at Hacienda Road.
6. The channel of Alameda Creek and Arroyo de la Laguna may be used for the conveyance of water, imported from the Sacramento-San Joaquin Delta, to the Niles Cone for recharge of the ground water basin.

### 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 - RECEIVING WATERS

1. The treatment or disposal of waste shall not create a nuisance as defined in Section 13050(m) of the California Water Code.

2. The discharge shall not:

a. Unreasonably affect any of the protected beneficial water uses resulting from:

Floating, suspended, or deposited macroscopic particulate matter or foam, in waters of the State at any place;

Bottom deposits at any place;

Aquatic growths at any place;

Alteration of temperature, turbidity, or apparent color beyond present natural background levels in waters of the State at any place.

b. Cause visible, floating, suspended or deposited oil or other products of petroleum origin in waters of the State at any place.

c. Cause waters of the State to exceed the following limits of quality at any point:

Dissolved oxygen in Arroyo de la Laguna 5.0 mg/l, minimum

Dissolved oxygen in Alameda Creek 7.0 mg/l, minimum

When natural factors cause lesser concentrations than those specified above, then this discharge shall not cause further reduction in the concentration of dissolved oxygen.

Dissolved sulfide 0.1 mg/l, maximum

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.

d. Cause ground water at any point to contain tastes or odors of waste origin.

- e. Cause ground waters to exceed the following limits of quality at any point:

Arsenic (As)	0.05 mg/l, maximum
Barium (Ba)	1.0 mg/l, maximum
Cadmium (Cd)	0.01 mg/l, maximum
Chromium (hexavalent)	0.05 mg/l, maximum
Cyanide (CN)	0.2 mg/l, maximum
Fluoride (F)	1.0 mg/l, maximum
Lead (Pb)	0.05 mg/l, maximum
Selenium (Se)	0.01 mg/l, maximum
Silver (Ag)	0.05 mg/l, maximum

WASTE DISCHARGE REQUIREMENTS - WASTE STREAM

The waste as discharged to waters of the State shall meet these quality limits at all times:

1. In any grab sample:

pH	7.0, minimum 8.5, maximum
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Settleable matter

The arithmetic average of any six or more samples collected on any day	0.5 ml/l/hr, maximum
80% of all individual samples collected during maximum daily flow over any 30-day period	0.4 ml/l/hr, maximum
Any sample	1.0 ml/l/hr, maximum
Dissolved sulfide	0.1 mg/l, maximum.

2. For 24-hour composite samples collected one day each week throughout the year and made up of portions collected at hourly intervals in proportion to rate of flow at time of collection:

a. Turbidity	10 units, maximum
b. 5-day BOD, and Suspended Solids	The waste as discharged, or at some point in the treatment process, shall meet quality requirements equivalent to those which would result from conformance with Section 8047 of Title 17, California Administrative Code.

- c. The monthly average concentration of constituents, as listed below, shall not exceed the sum of the increment listed for each, plus its weighted average concentration in the water supply tributary to the discharge (as determined by monthly analyses of each water source):

Constituent	Increment as measured in	
	The influent to the treatment facilities	The effluent from the treatment facilities
Total dissolved solids	325 mg/l*	**
Chloride	75 mg/l*	**
Others	**	**

\* To be reviewed by the Board whenever data becomes available which indicates to the staff of the Board and/or the discharger that review is necessary.

\*\* To be established by the Board when sufficient data are available. This Board will establish specific limits for increments of Total Dissolved Solids and Chloride no later than its June 1971 regular meeting.

- d. Methylene Blue Active  
Substances or MBAS

1.0 mg/l, maximum.

3. The waste as discharged, or at some point in the treatment process, shall be adequately disinfected, and for the purpose of this Resolution, adequate disinfection shall mean any disinfection which produces a moving median coliform MPN value not exceeding 2.2 per 100 milliliters at some point in the treatment process, providing that moving median values shall be determined from:

1. Consecutive results obtained from samples collected on the previous seven sampling days, and
2. Samples shall be collected at a frequency of at least seven days each week, and
3. Samples shall be collected during those periods when the coliform MPN has been demonstrated to be at its daily maximum.

TIME SCHEDULE FOR COMPLIANCE WITH REQUIREMENTS

Pursuant to Section 13263(c) of the California Water Code, this Regional Board adopts the following time schedule for compliance with the above requirements:

- Demonstrate compliance with disinfection requirements and assure continuing compliance therewith for dry weather flow conditions by December 1, 1970
- Demonstrate compliance with disinfection requirements and assure continuing compliance therewith at all times by May 1, 1971
- Complete financing arrangements by April 1, 1971
- Authorize preparation of plans and specifications for necessary facilities by November 17, 1970
- Complete final plans and specifications and submit schedule for construction to this Board by April 15, 1971
- Advertise for bids by June 1, 1971
- Review bids and award contract(s) by July 20, 1971
- Complete construction: The Regional Board will prescribe a schedule for construction and demonstration of compliance with requirements by May 30, 1971.

REPORTING REQUIREMENTS

1. The discharger is required to file written progress reports with this Regional Board pursuant to Section 13267 of the California Water Code within 15 days after each of the dates specified above.
2. This Resolution includes items numbered 1 through 7 of the attached "Reporting Requirements", dated January 1, 1970.

NOTIFICATIONS

1. This Board's Resolutions Nos. 330 and 68-22 and those portions of Resolution No. 446 which are directly applicable only to Valley Community Services District are hereby amended.
2. The above compliance time schedule is subject to revision in the discretion of this Regional Board.
3. If the discharger fails to comply with the above time schedule, the Executive Officer is instructed to bring a recommendation on the initiation of formal enforcement proceedings to the Regional Board for its consideration.

4. It is the intention of this Board, at the earliest practicable date to:
  - A. Adopt quality objectives for ground waters in the Livermore groundwater basins.
  - B. Review the quality limits contained herein to ensure their adequacy in achieving the objectives previously established by this Board in its Resolution No. 226, as amended by Paragraph XVI of Resolution No. 446, for groundwater in the Niles Cone.
5. The Regional Board requires, as a condition for its approval of any construction grant application, that the District participate in a subregional program for consolidation, treatment and disposal of its waste water which is consistent with the general concepts of Phase I of the Bay-Delta Report and which meets the approval of the Regional Board.
6. This Resolution includes items numbered 1 through 6 of the attached "Notifications", dated January 6, 1970.

WILLIAM C. WEBER  
Chairman

November 4, 1970

I, Fred H. Dierker, hereby certify that the foregoing is a true and correct copy of Resolution No. 70-89 adopted by the California Regional Water Quality Control Board, San Francisco Bay Region at its special meeting on November 4, 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  
August 28, 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. 70-43. (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 13263, 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. 70-43. (Reference: Sections 13267(b) and 13268, California Water Code.)

5. This Board requires the discharger to file written reports within 15 days after each calendar quarter to include:

- Name of and number of lots in each subdivision for which an application has been received for connection to the sewerage system.  
Anticipated date of connection of each subdivision to the sewerage system.

Finding and supporting data by governing body on effect of addition of each subdivision on violation of waste discharge requirements.

(Reference: Section 11551.6 Business and Professions Code and Sections 13267(b) and 13268, California Water Code.)

6. This Board requires the discharger to file a report on waste discharge at least 120 days before making any material change or proposed change in the character, location or volume of the discharge. (Reference: Sections 13260(b) and 13264, California Water Code.)
7. This Board requires the discharger to file a written technical report at least 15 days prior to advertising for bids on any construction project which would cause or aggravate the discharge of waste in violation of these requirements; said report to describe the nature, costs, and scheduling of all actions necessary to preclude such discharge. In no case should any discharge of sewage bearing wastes be permitted without at least primary treatment and chlorination. (Reference: Sections 13267(b) and 13268, California Water Code.)

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.