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STATE OF CALIFORNIA  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD,  
LOS ANGELES REGION

ORDER NO. 97-037  
WASTE DISCHARGE REQUIREMENTS  
FOR  
MONTALVO MUNICIPAL IMPROVEMENT DISTRICT  
(MONTALVO WATER POLLUTION CONTROL PLANT)  
(File No. 54-052)

The California Regional Water Quality Control Board, Los Angeles Regional Board (Regional Board), finds:

1. Montalvo Municipal Improvement District (hereinafter Discharger) owns the Montalvo Water Pollution Control Plant (Plant), located at 3555 Ventura Road, Montalvo, California (Figure No. 1). Treated municipal wastewaters are discharged under Waste Discharge Requirements contained in Order No. 87-092, adopted by this Regional Board on June 22, 1987.
2. The California Water Code Section 13263(e) provides that all requirements shall be reviewed periodically and, upon such review, may be revised by the Regional Board. A site inspection was conducted by Regional Board staff, and no violations were observed during the inspection.

These Waste Discharge Requirements have been revised to include additional findings, effluent limitations, requirements, updated standard provisions, and a revised monitoring and reporting program.

3. The wastewater treatment system consists of bar screening, comminution, influent holding tank, two independent sequence batch reactors with polymer application, and discharge into a final lined polishing pond. Treated wastewater is then discharged to the subsurface through three evaporation/percolation ponds (a combined capacity of 4.4 million gallons). In case of emergency, the Plant has an emergency power station and a one-million gallon concrete-lined pond to store untreated and/or treated wastewater which can then be returned to the headworks of the Plant for treatment as needed.
4. The Plant has a design capacity of 360,000 gallons per day (gpd). An average daily dry weather flow of up to 267,000 gpd was discharged during 1995. Waste sludge is treated onsite by aerobic digestion, then discharged into concrete lined sludge drying beds. Treated sludge is hauled offsite and disposed of at a legal disposal facility.
5. The Plant and evaporation/percolation ponds are located in Section 20, Township 2N, Range 22W, San Bernardino Base & Meridian. The Plant's latitude is 34°14'17"; its longitude 119°11'34".

Revised December 13, 1997

6. The City of San Buenaventura Public Works Department supplies domestic water to this area from groundwater production wells in the Montalvo area.
7. The Plant and evaporation/percolation ponds overlie the Unconfined and Perched Aquifers of the Oxnard Plain Groundwater Basin.
8. The Regional Board adopted a revised Water Quality Control Plan for the Los Angeles Region on June 13, 1994. The Water Quality Control Plan contains beneficial uses and water quality objectives for groundwater in the Unconfined and Perched Aquifers of the Oxnard Plain Groundwater Basin. The requirements contained in this Order, as they are met, will be in conformance with the goals and objectives of the Water Quality Control Plan.
9. The beneficial uses of the Unconfined and Perched Aquifers are municipal and domestic supply, agricultural supply, and potentially industrial service supply. There are no known water supply wells within one mile radius from this Plant.
10. This project involves an existing facility, and, as such, is exempt from the provisions of the California Environmental Quality Act (Public Resources Code, Section 2100 et seq.) in accordance with California Code of Regulations, Title 14, Chapter 3, Section 15301.

The Regional Board has notified the Discharger and interested agencies and persons of its intent to revise Waste Discharge Requirements for this discharge and has provided them with an opportunity to submit their written views and recommendations.

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

IT IS HEREBY ORDERED that the Montalvo Municipal Improvement District shall comply with the following:

**A. EFFLUENT LIMITATIONS**

1. Waste discharged shall be limited to treated municipal wastewaters only.
2. Wastes discharged shall not contain constituents in excess of the following limits:

Effluent Limitations

<u>Constituent</u>	<u>Units</u>	<u>Maximum Effluent Limitation</u>
Total dissolved solids	mg/L	3,000
Sulfate	mg/L	1,000
Chloride	mg/L	500
Nitrate plus nitrite as nitrogen	mg/L	10

3. The pH of wastes discharged shall at all times be within the range 6.5 to 8.5 pH units.
4. Any wastes that do not meet the foregoing requirements shall be held in impervious containers and discharged at a legal point of disposal.
5. Wastes discharged shall not contain heavy metals, arsenic, or cyanide in concentrations exceeding the limits contained in the current State of California Department of Health Services Drinking Water Standards.
6. Radioactivity shall not exceed the limits specified in the current version of Title 22, California Code of Regulations, Chapter 15, Article 5, Sections 64441 and 64443, or subsequent revisions.

B. WASTE DISCHARGE REQUIREMENTS

1. Adequate freeboard shall be maintained in the existing evaporation/percolation ponds to ensure that direct rainfall will not cause overtopping.
2. Adequate facilities shall be provided to divert surface and storm water away from the wastewater treatment plant, and from areas where any potential pollutants are stored.
3. The discharge of raw or inadequately treated sewage at any time is prohibited.
4. Neither the treatment nor the discharge of waste shall cause pollution or nuisance.
5. Wastewater treatment or disposal shall not result in problems due to breeding of mosquitos, gnats, midges, or other pests.
6. Wastes shall not be disposed of in geologically unstable areas or so as to cause earth movement.

7. Wastes discharged shall not impart tastes, odors, color, foaming or other objectionable characteristics to receiving groundwater.
8. Wastes discharged shall at no time contain any substance in concentrations toxic to human, plant, or aquatic life.
9. Odors of sewage origin shall not be perceivable beyond the limits of the property owned or controlled by the Discharger.
10. In no case may the evaporation/percolation pond disposal system extend to within 10 feet of the zone of historic or anticipated high groundwater level. The Discharger must submit certification that the evaporation/percolation pond disposal system meet this requirement within 60 days from the adoption of this Order.
11. No part of the Plant or evaporation/percolation pond disposal system shall be closer than 150 feet to any water well, or closer than 100 feet to any stream, channel, or other watercourse.
12. There shall be no discharge of wastes to surface water or watercourses at any time, except as may be authorized by a National Pollution Discharge Elimination System Permit adopted by this Board.
13. The evaporation/percolation ponds shall not contain floating materials, including foams, debris, or scum in concentrations that cause nuisance, adversely affect beneficial uses, or serve as a substrate for undesirable bacterial and insect vectors. The evaporation/percolation ponds shall be maintained so as to be free of weeds and excessive vegetation growth.
14. All permanent structures shall be adequately protected from inundation by floods having a predicted frequency of occurrence of once in 100 years. All sludge drying beds shall be adequately protected from inundation by floods having a predicted frequency of occurrence of once in 50 years. All evaporation/percolation ponds shall be adequately protected from inundation by floods having a predicted frequency of occurrence of once in 25 years.
15. There shall be no onsite disposal of sludge. Any offsite disposal of sewage or sludge shall be made only to a legal point of disposal. For purposes of this Order, a legal disposal site is one for which requirements have been established by a California Regional Water Quality Control Board, and which is in full compliance therewith. Any sewage or sludge handling shall be in such a manner as to prevent its reaching surface waters or watercourses.

16. A groundwater monitoring program shall be established so that groundwater beneath the site, or in the immediate vicinity of the site, may be analyzed to determine if waste discharge has impacted groundwater quality.

C. PROVISIONS

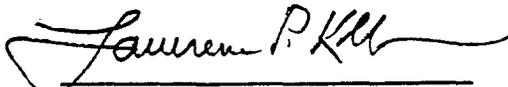
1. A copy of these Waste Discharge Requirements shall be maintained at the office of the Discharger and at the Plant so as to be available at all times to operating personnel.
2. Standby or emergency power facilities and/or storage capacity or other means shall be provided so that in the event of plant upset or outage due to power failure or other cause, discharge of raw or inadequately treated sewage does not occur.
3. The Discharger shall file with the Regional Board technical reports on self-monitoring work performed according to the detailed specifications contained in the Monitoring and Reporting Program as directed by the Executive Officer. The results of any monitoring done more frequently than required at the location and/or times specified in the Monitoring and Reporting Program shall be reported to the Regional Board.
4. The Discharger shall notify this Regional Board within 24 hours of any adverse condition as a result from the discharge of wastewater from this facility; written confirmation shall follow within one week. This information shall be confirmed in the next monitoring report. In addition, the report shall also include the reasons for the violations or adverse conditions, the steps being taken to correct the problem (including dates thereof), and the steps being taken to prevent a recurrence.
5. The Discharger shall notify the Regional Board immediately, by telephone, of any bypassing or overflow of sewage, including surfacing of wastes. Written confirmation shall follow within one week and shall include information relative to the location(s), estimated volume, date and time, duration, cause, and remedial measures taken to effect cleanup and measures taken to prevent any recurrence.
6. The Discharger shall file a written report with this Regional Board within 90 days after the average dry weather waste flow for any month equals or exceeds 90 percent of the design capacity of the treatment plant, and seepage pits disposal system. The report shall detail provisions to cope with flows in excess of that figure.

7. This Order does not alleviate the responsibility of the Discharger to obtain other necessary local, state, and federal permits to construct facilities necessary for compliance with this Order; nor does this Order prevent imposition of additional standards, requirements, or conditions by any other regulatory agency.
8. After notice and opportunity for a hearing, this Order may be terminated or modified for cause, including, but not limited to:
  - (a) Violation of any term or condition contained in this Order;
  - (b) Obtaining this Order by misrepresentation, or failure to disclose all relevant facts;
  - (c) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
9. The Discharger shall furnish, within a reasonable time, any information the Regional Board may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Order. The Discharger shall also furnish to the Regional Board, upon request, copies of records required to be kept by this Order.
10. This Order includes "Standard Provisions Applicable to Waste Discharge Requirements." If there is any conflict between provisions stated herein and the "Standard Provisions," those provisions stated herein will prevail.

E. Rescission

Order No. 87-092, adopted by this Board on June 22, 1987, is hereby rescinded.

I, Lawrence P. Kolb, Acting Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region, on April 7, 1997.

  
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LAWRENCE P. KOLB  
Acting Executive Officer

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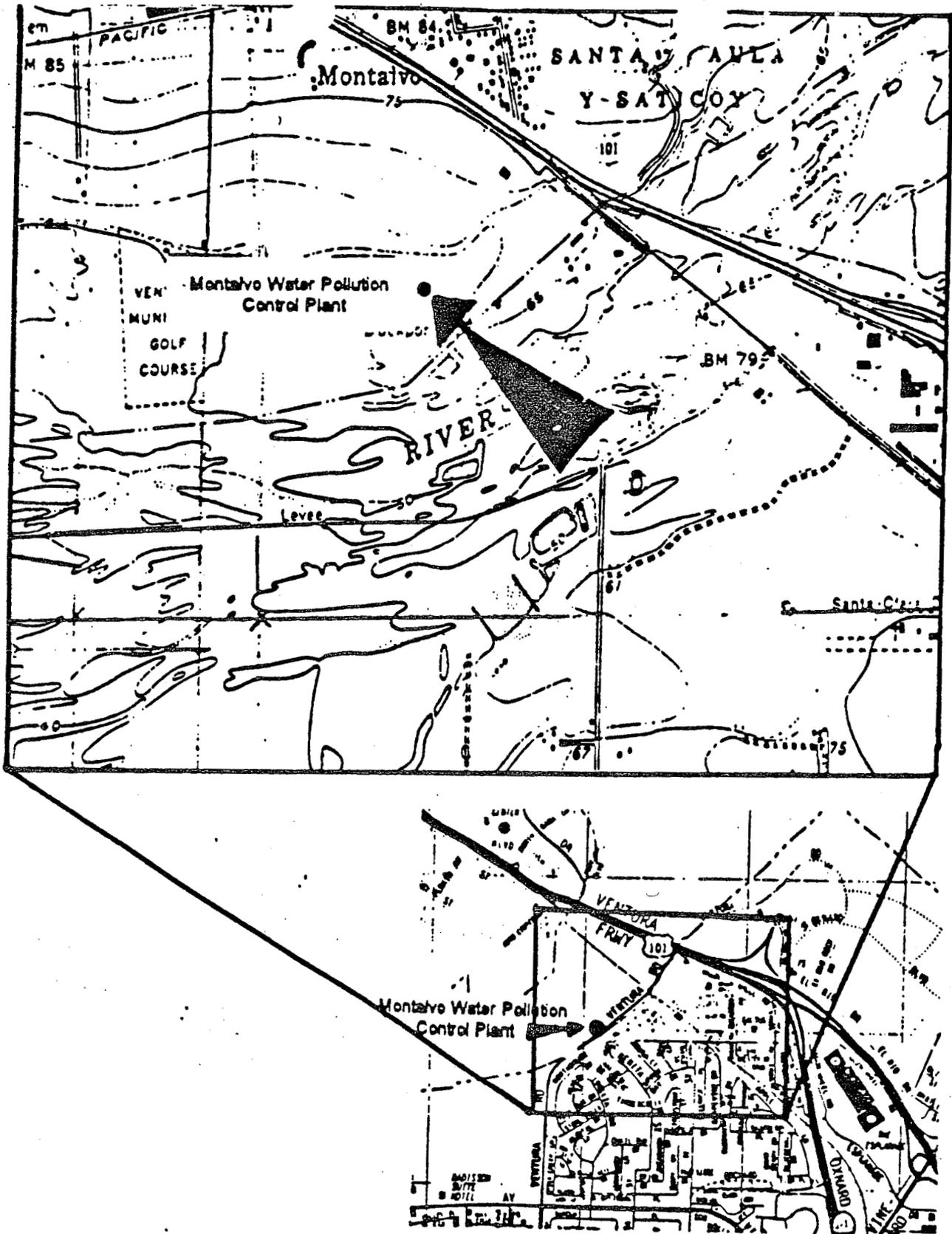


Figure No. 1  
 Montalvo Municipal Improvement District  
 (Montalvo Water Pollution Control Plant)

STATE OF CALIFORNIA  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD,  
LOS ANGELES REGION

MONITORING AND REPORTING PROGRAM NO. CI 5068  
FOR  
MONTALVO MUNICIPAL IMPROVEMENT DISTRICT  
(MONTALVO WATER POLLUTION CONTROL PLANT)  
(File No. 54-052)

Montalvo Municipal Improvement District, (hereinafter Discharger) shall implement this monitoring program on the effective date of this Order.

Monitoring reports shall be submitted by the dates in the following schedule:

I. Reporting

<u>Reporting Period</u>	<u>Report due</u>
January - March	April 30
April - June	July 30
July - September	October 30
October - December	January 30

The first monitoring report under this program shall be submitted by July 30, 1997.

By January 30<sup>th</sup> of each year, beginning January 30, 1998, the Discharger shall submit an annual report to the Board. The report shall contain summaries of the monitoring data obtained during the previous year. In addition, the Discharger shall discuss the compliance record and the corrective actions taken or planned which may be needed to bring the discharge into full compliance with the Waste Discharge Requirements.

II. Effluent Monitoring

A sampling station shall be established for each point of discharge and shall be located where representative samples of that effluent can be obtained prior to discharge to the evaporation/percolation pond disposal system. The following shall constitute the effluent monitoring program:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
Flow	gpd	continuous	-----
pH	pH units	grab	quarterly
Total dissolved solids	mg/L	grab	quarterly
Chloride	mg/L	grab	quarterly
Sulfate	mg/L	grab	quarterly
Nitrate plus nitrite as nitrogen	mg/L	grab	quarterly
Priority Pollutants <sup>1</sup>	----	grab	One time <sup>2</sup>

1. See attached list

2. Depending on the test results, additional sampling analyses may be required by the Executive Officer

### III. Groundwater Monitoring

The existing groundwater monitoring network established by the Discharger shall be reevaluated in order to determine whether it is still capable of evaluating groundwater impacts from the evaporation/percolation pond disposal system. This report is due to the Executive Officer within 60 days following adoption of this Order. If the evaluation indicates that the existing groundwater monitoring network is capable of adequately evaluating impacts from the discharge, then the report must so state. If the evaluation indicates that the groundwater monitoring network is not adequate, or that additional wells must be added to the system, then the report must contain a workplan to install additional wells for the Executive Officer's approval prior to implementation. The report must be prepared under the direction of a California Registered Geologist, or Certified Engineering Geologist, or a California Registered Civil Engineer with appropriate experience in hydrogeology.

The following shall constitute the groundwater monitoring program:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
pH	pH units	grab	semi-annually
Total dissolved solids	mg/L	grab	semi-annually
Boron	mg/L	grab	semi-annually
Chloride	mg/L	grab	semi-annually
Sulfate	mg/L	grab	semi-annually
Nitrate plus nitrite as nitrogen	mg/L	grab	semi-annually

This groundwater monitoring schedule is subject to revision, after completion of two years of semi-annual baseline water quality monitoring to be completed from July 1997 through July 1999. Based upon the review and evaluation of the semi-annual monitoring program, the Discharger may propose to the Executive officer a reduced groundwater sampling and testing program, based upon existing conditions. The rationale used to determine the request for a reduced program must be stated, and is subject to the Executive Officer's approval.

The groundwater monitoring and reporting program shall contain the following information:

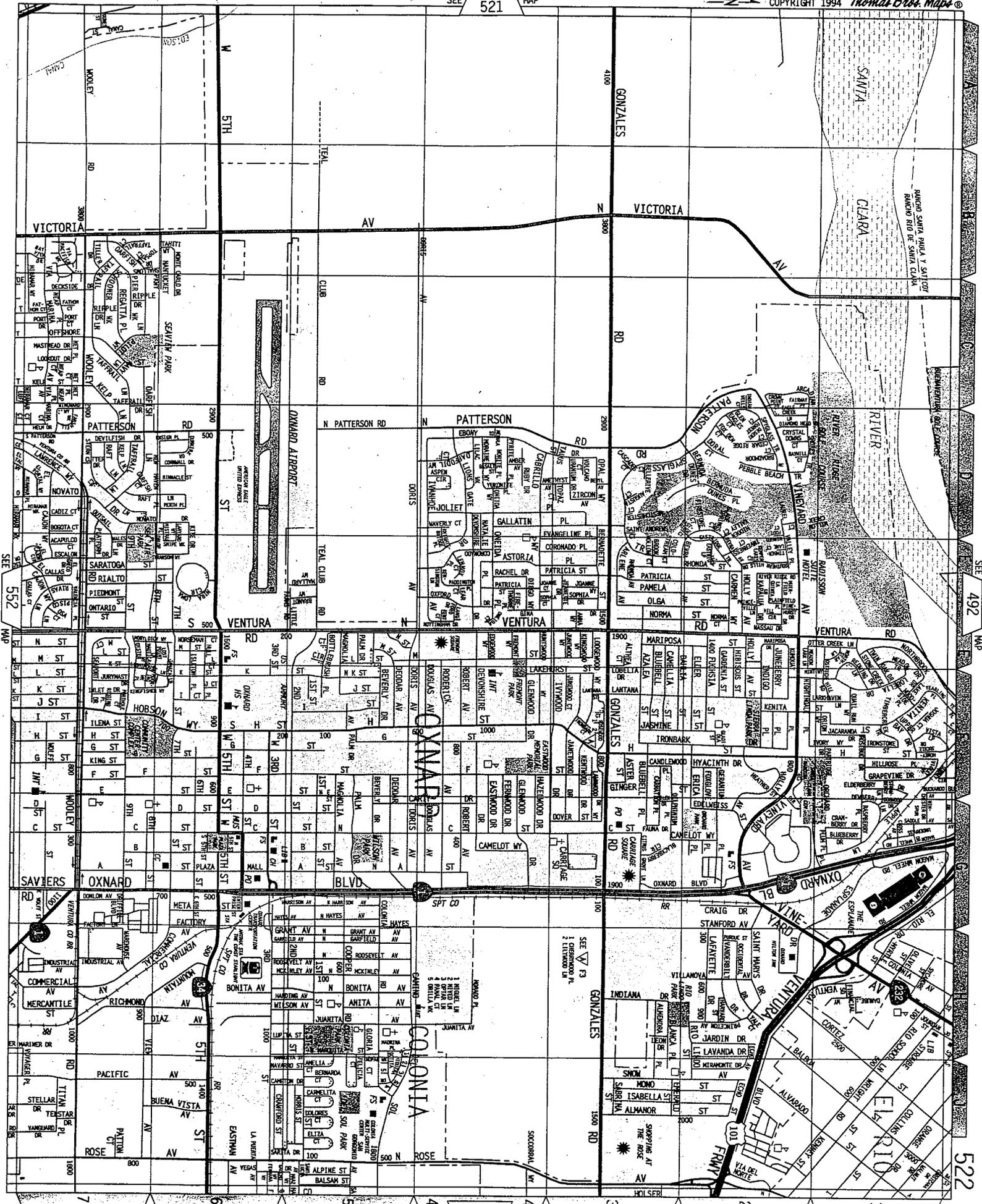
- a. Well identification, date and time of sampling, water temperature.
- b. Sampler identification, and laboratory identification.
- c. Semi-annual observations of groundwater levels, recorded to 0.01 feet mean sea level.

#### IV. General Provisions for Sampling and Analysis

All chemical, bacteriological, and toxicity analysis shall be conducted at a laboratory certified for such analysis by the State Department of Health Services Environmental Laboratory Accreditation Program, or approved by the Executive Officer. Laboratory analysis must follow methods approved by the United States Environmental Protection Agency (USEPA), and the laboratory must meet USEPA Quality Assurance/Quality Control criteria. All analytical data must be presented on the enclosed Laboratory Report Forms. Analytical data reported as "less than" or below the detection limit for the purpose of reporting compliance with limitations, shall be reported as "less than" a numerical value or "below the detection limit" for that particular analytical method (also giving the numerical detection limit).

#### V. General Provisions for Reporting

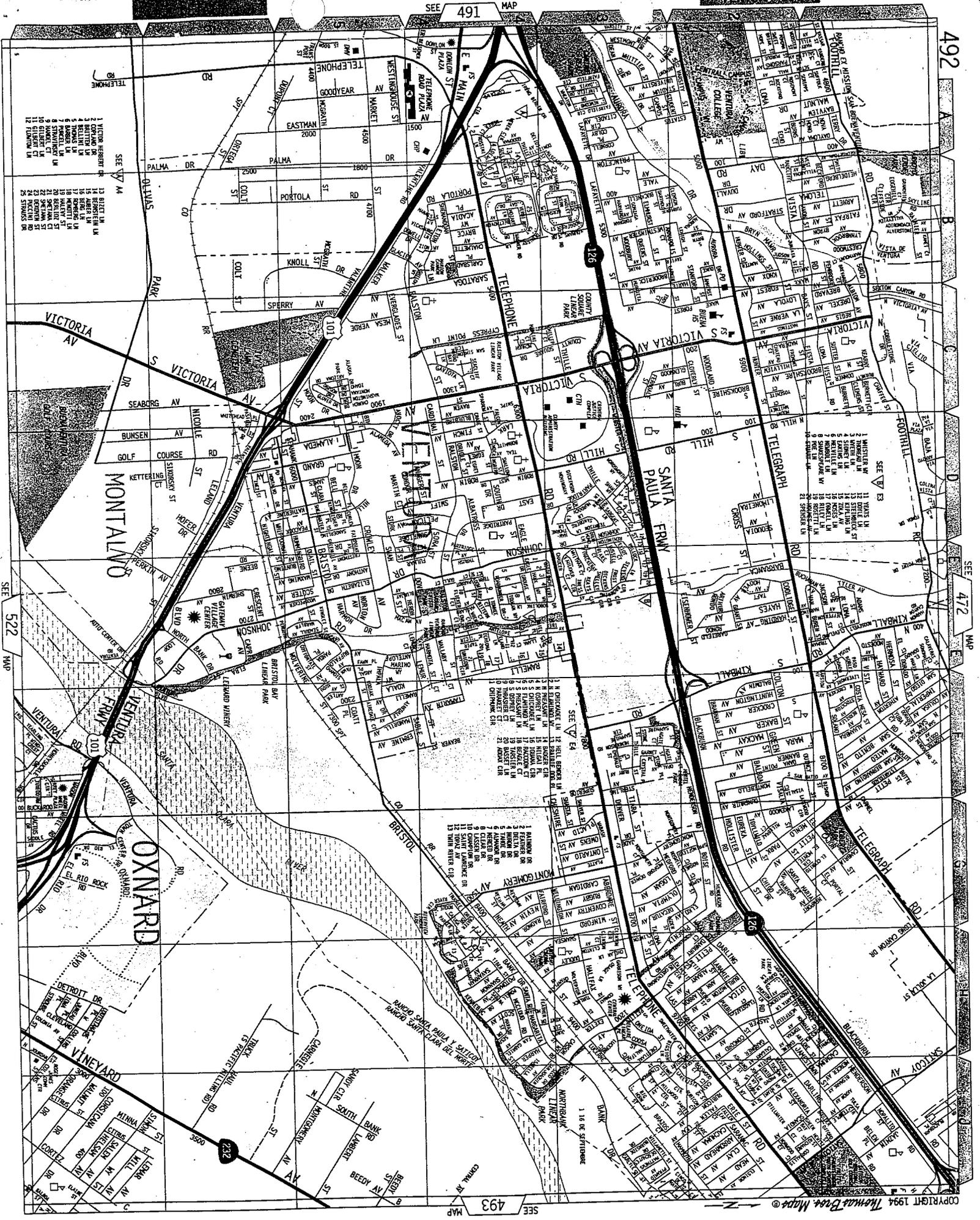
For every item where the requirements are not met, the Discharger shall submit a statement of the actions undertaken, or proposed, which will bring the discharge into full compliance with requirements at the earliest time and submit a timetable for correction.



SEE 552 MAP

SEE 492 MAP

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