

State of California  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, LOS ANGELES

ORDER NO. 94-084

WASTE DISCHARGE REQUIREMENTS  
FOR  
COUNTY OF VENTURA PUBLIC WORKS AGENCY  
(Todd Road County Jail Wastewater Treatment Plant)  
(File No. 91-076)

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

1. The County of Ventura Public Works Agency (hereinafter Discharger) has filed a complete Report of Waste Discharge for the disposal of treated domestic and commercial wastewater.
2. The site consists of approximately 157 acres and is located at the intersection of Todd Road and State Highway 126, in unincorporated Ventura County, California. The Discharger proposes to construct a wastewater treatment plant to accommodate domestic and commercial wastewater for up to 2,307 inmates, administrative and security staff, including food preparation facilities, and a laundry (Figure 1).
3. The proposed Todd Road County Jail Wastewater Treatment Plant's (Plant) treatment train will consist of comminution, screening, oxidation via suspended growth aerobic process, and settling in a clarification tank. The secondary treated wastewater will be transferred via pipelines to four evaporation/percolation ponds for final disposal. Waste sludge will be aerobically digested and dewatered in lined sludge drying beds at the plant, then hauled offsite to a legal disposal facility.
4. The Plant has a design capacity of 185,250 gallons per day (gpd). The average daily dry-weather inflow to the plant is projected to be approximately 85,000 gpd.
5. The treatment plant and evaporation/percolation ponds are located in and around Section 30, T3N, R21W, San Bernardino Base & Meridian. (The facility's approximate latitude is 34° 21' 26"; its longitude 119° 1' 59").

July 13, 1994

6. During the rainy season, groundwater underlying the evaporation/percolation ponds may rise to less than eight (8) feet below the base of the evaporation/percolation ponds. The Discharger has proposed to use vacuum pump trucks to transfer treated wastewater from the ponds to the Ventura Regional Sanitation District - Montalvo Wastewater Pollution Control Plant for disposal. Such operations will continue until the depth to groundwater is greater than eight (8) feet below the base of the ponds. The vacuum pump trucks will also be used during any extended periods of rain to ensure that over-topping of the ponds does not occur.
7. The treatment plant and disposal area overlie the Santa Clara River Valley Groundwater Basin within the Sulfer Springs Hydrologic Subarea of the Santa Clara River Basin.
8. The beneficial uses of the groundwater in the Santa Clara River Valley Groundwater Basin are municipal and domestic supply, agricultural supply, and industrial service and process supply.
9. The Board adopted a revised Water Quality Control Plan for the Santa Clara River Basin on October 22, 1990. The Plan contains beneficial uses and water quality objectives for groundwater in the Santa Clara River Valley 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.
10. Impacts from this project may have cumulative adverse impacts on total dissolved solids, nitrate, chloride, sulfate and other constituents on receiving groundwater quality.
11. An action level for nitrate in the groundwater has been identified at 34 mg/L, or 75% of the State Department of Health Services MCL of 45 mg/L. Identification of nitrate at this level should allow sufficient time for emplacement and activation of mitigation measures, should they become necessary.

12. The County of Ventura Public Works Agency has certified a Final Environmental Impact Report for this project in accordance with the California Environmental Quality Act (Public Resources Code Section 21000, et seq.).

The Board has notified the discharger and interested agencies and persons of its intent to prescribe 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 County of Ventura Public Works Agency, Todd Road County Jail Wastewater Treatment Plant, shall comply with the following:

A. EFFLUENT LIMITATIONS

1. Wastes discharged shall be limited to treated domestic and commercial wastewaters only. No water softener regeneration brines or industrial wastewater shall be discharged at this location.
2. There shall be no discharge of wastes to surface water or watercourses at any time.
3. Wastewater shall be limited to treated domestic and commercial wastewater only, and shall not exceed the following limits:

<u>Constituent</u>	<u>Units</u>	<u>Maximum Effluent Limitations</u>
Total dissolved solid	mg/L	2,000
Chloride	mg/L	110
Sulfate	mg/L	800
Boron	mg/L	1.0
BOD <sub>5</sub> 20°C	mg/L	45
Oil & grease	mg/L	15
Suspended solids	mg/L	30
Nitrate-N plus nitrite-N plus ammonia-N	mg/L	10

4. The pH of waste discharged shall at all times be within the range of 6.5 to 8.5 pH units.
5. No part of the wastewater treatment plant nor the disposal system shall be closer than 150 feet to any water well, or closer than 100 feet to any stream, channel or other watercourse.
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.
7. Wastes discharged shall not contain heavy metals, arsenic, or cyanide in concentrations exceeding the limits contained in the current California Drinking Water Standards.
8. No evaporation/percolation pond shall extend to a depth where wastes may deleteriously affect any groundwater. In no case may the wastewater treatment plant and/or disposal system extend to within 8 feet of the zone of historic or anticipated high groundwater level. To meet this requirement, the Discharger must submit certification that during high groundwater conditions the treated wastewaters will be transported by vacuum trucks to the Ventura Regional Sanitation District - Montalvo Wastewater Pollution Control Plant. If an alternative method(s) of wastewater disposal is to be used, to meet this requirement, the Regional Board and the County of Ventura are to be notified in writing prior to use of the alternative method(s).
9. The wastewater treatment plant and disposal system shall be maintained in such a manner that at no time shall sewage be permitted to surface or overflow at any location.
10. Odors of sewage origin shall not be perceivable beyond the limits of the property owned or controlled by the Discharger.

11. Wastes discharged shall be retained in the evaporation/percolation ponds from which the public is effectively excluded, and shall not be permitted to escape as surface flow.
12. The evaporation/percolation ponds shall not contain floating materials, including solids, liquids, foams, or scum, in concentrations that cause nuisance, adversely affect beneficial uses, or serve as a substrate for undesirable bacterial and algal growth, and insect vectors.
13. Wastes discharged shall at no time contain any substance in concentrations toxic to human, plant, or aquatic life.
14. Wastes shall not be disposed of in geologically unstable areas or so as to cause earth movement.
15. The Discharger shall comply with all rules and regulations of the County of Ventura - Environmental Health Department for construction and operation of domestic sewage disposal systems.
16. 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.
17. Any sewage or sludge handling shall be in such a manner as to prevent its reaching surface waters or watercourses.
18. A groundwater monitoring program shall be established so that groundwater beneath the project, or in the immediate vicinity of the project, may be measured, sampled and analyzed to determine if the discharge has impacted groundwater quality.

B. GENERAL REQUIREMENTS:

1. The discharge or use of raw or inadequately treated sewage at any time is prohibited.

2. The wastewater treatment plant and disposal system shall be protected from damage by storm flows or runoff.
3. Adequate freeboard shall be maintained in the evaporation/percolation ponds to ensure that direct rainfall will not cause overtopping.
4. Neither the treatment nor the discharge of waste shall create a condition of pollution, contamination, or nuisance, or problems due to breeding of mosquitos, midges, flies, or other pests.
5. Waste disposal shall not impart tastes, odors, color, foaming, or other objectionable characteristics to receiving groundwater.
6. All evaporation/percolation ponds shall be adequately protected from inundation by floods having a predicted frequency of once in 25 years. All structures shall be adequately protected from inundation by floods having a predicted frequency of occurrence of once in 100 years.

C. PROVISIONS

1. A copy of these requirements shall be maintained at the wastewater treatment plant so as to be available at all times to operating personnel.
2. This wastewater treatment plant shall be compatible with regional sewage collection and treatment plans.
3. In the event of any change in name, ownership, or control of this wastewater treatment plant, the Discharger shall notify this Regional Board of such change and shall notify the succeeding owner or operator of the existence of this Order by letter, a copy of which shall be forwarded to the Regional Board.
4. 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.

5. The quantity of wastewater transferred to the Ventura Regional Sanitation District - Montalvo Wastewater Pollution Control Plant, during the rainy season, shall not cause that treatment plant to exceed its capacity of 250,000 gallons per day, as specified in their Waste Discharge Requirements (Order No. 87-092).
6. The Discharger shall file a written report with this Regional Board within 30 days after the average dry-weather waste-flow for any month equals or exceeds 90 percent of the design capacity of the waste treatment plant. The report shall detail provisions to cope with flows in excess of that figure.
7. The Discharger shall file with the 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 locations and/or times specified in the Monitoring and Reporting Program shall be reported to the Regional Board.
8. The Discharger shall notify this Regional Board by telephone within 24 hours of any violations of effluent limitations or any adverse conditions as a result of the waste discharge 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.
9. The number of wells, well locations, and/or installation of monitoring wells, for this project shall be subject to the Executive Officer's approval. The proposed groundwater monitoring well system shall be submitted to the Executive Officer for approval no more than 60 days after adoption of these Waste Discharge Requirements.

10. These requirements do not exempt the Discharger from compliance with any other laws, regulations, or ordinances which may be applicable: they do not legalize this wastewater treatment plant, and they leave unaffected any further restraint on the discharge of wastewater at this site which may be contained in other statutes or required by other agencies.
11. 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. Expansion of this facility from its current capacity shall be contingent upon issuance of all necessary permits, including a Conditional Use Permit.
12. Any discharge of wastewater at any point(s) other than specifically described in this Order is prohibited, and constitutes a violation of the Order.
13. 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.
14. Supervisors and operators of Publicly Owned Treatment Works (POTW) shall possess a certificate of appropriate grade as specified in Title 23, California Code of Regulations, Section 3680 or subsequent revisions.



15. 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.
16. The Discharger shall take all reasonable steps to minimize or prevent any discharge that has a reasonable likelihood of adversely affecting human health or the environment.
17. The Discharger shall submit construction and operation details of the wastewater treatment plant and disposal system to the Regional Board for review within 30 days after the adoption of this Order. Final as-built construction details are to be provided to the Regional Board within 90 days, after start-up of the treatment plant operations.
18. Should monitoring data indicate groundwater impacts from the discharge, the Discharger shall submit, within 90 days after determination of the problem, plans for measures that will be taken, or have been taken, to mitigate any long term effects that may result from the subsurface disposal of wastes, on the groundwater.
19. Should the nitrate concentration in any downstream monitoring well reach or exceed 34 mg/L (75% of the State Department of Health Services Maximum Contaminant Level [MCL] of 45 mg/L), the Discharger must submit a plan to remediate nitrate pollution in the groundwater, so as to preclude any exceedance of the 45 mg/L MCL. The Plan must contain a detailed description of remediation methodology proposed, together with the time schedule of implementation, and must be submitted within 60 days of recording the nitrate exceedance of 34 mg/L.
20. This Order includes "Standard Provisions Applicable to Waste Discharge Requirements". If there is any conflict between provisions stated herein and the "Standard Provisions Applicable to Waste Discharge Requirements", those provisions stated herein will prevail.

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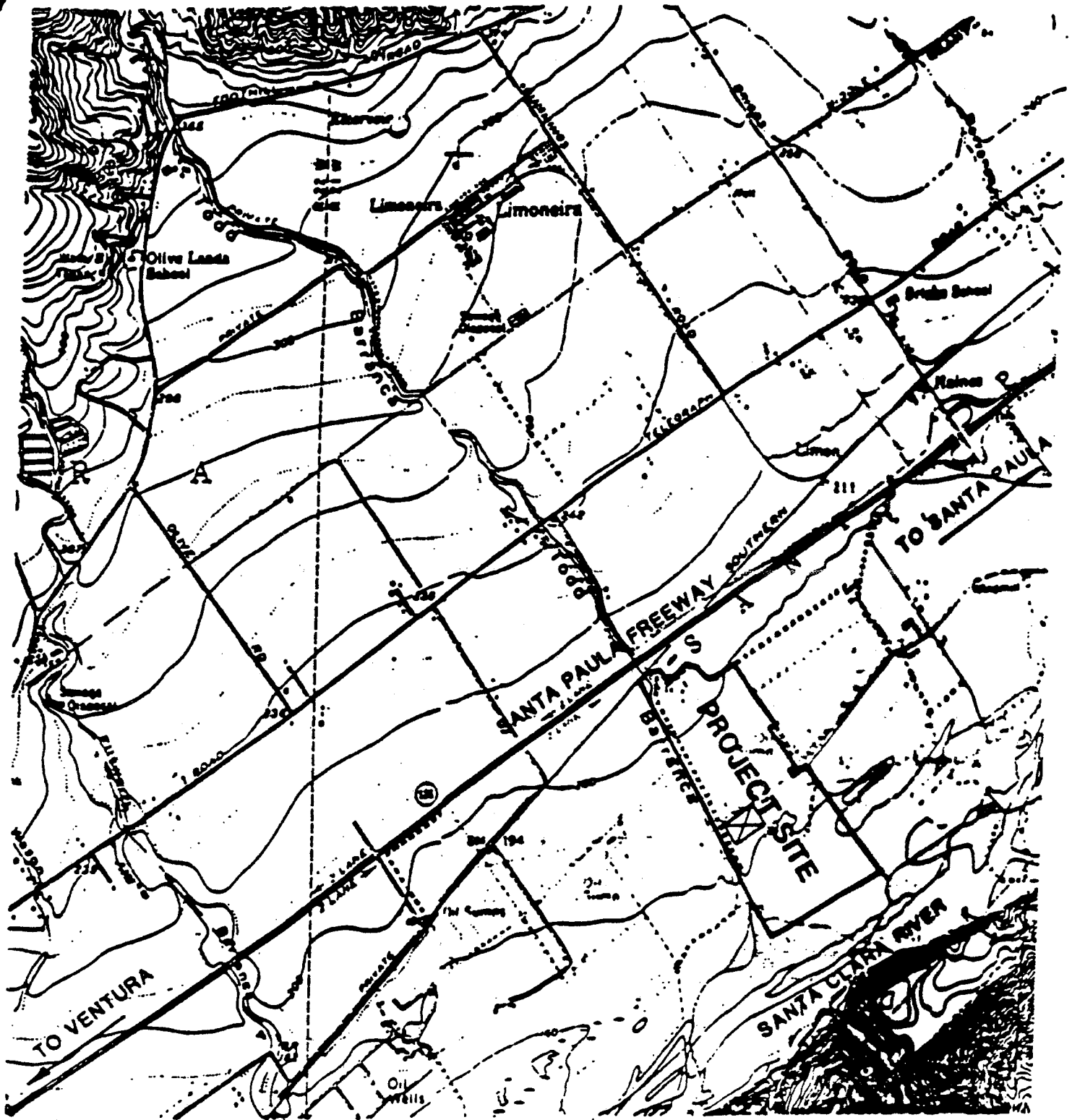
File No. 91-076

I, Robert P. Ghirelli, 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 August 22, 1994.

*Robert P. Ghirelli*

ROBERT P. GHIRELLI, D.Env.  
Executive Officer

/MB



SCALE: 1" = 2000'

VENTURA COUNTY - PUBLIC WORKS  
AGENCY

Todd Road Jail Facility


 Wastewater Treatment Plant

Figure No. 1

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LOS ANGELES REGION

MONITORING AND REPORTING PROGRAM NO. 7418  
FOR  
COUNTY VENTURA OF PUBLIC WORKS AGENCY  
(Todd Road County Jail Wastewater Treatment Plant)  
(Order No. 94-084 )  
(File No. 91-076)

The County of Ventura Public Works Agency (hereinafter Discharger), shall implement this monitoring and reporting program within 60 days of the effective date of this Order.

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

<u>Reporting Period</u>	<u>Report Due</u>
January-March	April 30
April-June	July 31
July-September	October 31
October-December	January 31

The first monitoring report under this program shall be submitted by October 31, 1994.

By January 31<sup>st</sup> of each year, beginning in 1995, the Discharger shall submit an annual report to the Board. The report shall contain both tabular and graphical 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 Requirements. The annual analysis shall be performed during the October-December reporting period.

I. Effluent Monitoring

A sampling station shall be established where representative samples of treated wastewater can be obtained prior to discharge to the evaporation/percolation ponds. Treated wastewater samples may be obtained at a single station, provided that station is representative of the quality at all discharge points. Each sampling station shall be identified and approved by the Executive Officer prior to its use. 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>
Total waste flow	gal/day	---	continuous
pH	pH units	grab	monthly
Suspended solids	mg/L	grab	monthly
BOD <sub>5</sub> 20°C	mg/L	grab	monthly
Oil & grease	mg/L	grab	monthly
Total dissolved solids	mg/L	grab	quarterly
Chloride	mg/L	grab	quarterly
Boron	mg/L	grab	quarterly
Sulfate	mg/L	grab	quarterly
Nitrate-N	mg/L	grab	quarterly
Nitrite-N	mg/L	grab	quarterly
Ammonia-N	mg/L	grab	quarterly
Total organic carbon	mg/L	grab	quarterly
Radioactivity	pCi/L	grab	annually
Priority pollutants scan <sup>1</sup>	µg/L	grab	annually

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1. Priority pollutants listed on page T-7

GROUNDWATER MONITORING

The Discharger shall establish suitable and accessible groundwater monitoring wells, subject to the Executive Officer's approval, to serve as groundwater monitoring station(s). The groundwater monitoring wells must be installed in such a way as to assess the background and the impacted groundwater quality. The Discharger must specify the effluent sampling point(s). The groundwater monitoring program shall consist of the following:

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<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
Ammonia - N	mg/L	grab	quarterly
Nitrate - N	mg/L	grab	quarterly
Nitrite - N	mg/L	grab	quarterly
Chloride	mg/L	grab	quarterly
Surfactants (anionic, cationic, and nonionic)	mg/L	grab	quarterly
Total phosphate	mg/L	grab	quarterly
Total dissolved solids	mg/L	grab	quarterly
Sulfate	mg/L	grab	quarterly
Total coliform	count/100ml	grab	quarterly
Fecal coliform	count/100ml	grab	quarterly
Priority pollutants scan	mg/L	grab	annually

This groundwater monitoring schedule is subject to revision, after completion of the first year of baseline water quarterly monitoring to be completed during calendar year 1995. Annual sampling and testing must be completed during the October-December reporting period. Based upon review of the first year quarterly sampling results, 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 approval.

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

- a. Well identification, date and time of sampling, water temperature, depth to groundwater (from a standard reference point); and
- b. Sampler identification, laboratory identification, date(s) of sampling.
- c. Quarterly observation of groundwater levels, measured to 0.01 feet mean sea level.

### Waste Hauling Reporting

In the event that wastes are hauled to a disposal site, the name and address of the hauler of the waste shall be reported in each quarterly monitoring report, along with quantities hauled during the quarter, and the location of the final point of disposal. If no wastes are hauled during the reporting period, a statement to that effect shall be submitted in the quarterly monitoring report.

### General Provisions for Sampling and Analysis

All chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health Services Environmental Laboratory Accreditation Program, or approved by the Executive Officer. Laboratory analyses must follow methods approved by the United States Environmental Protection Agency (EPA), and the laboratory must meet EPA Quality Assurance/Quality Control criteria. All analytical data must be presented on the enclosed Laboratory Report Forms.

### 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.

The Discharger shall maintain all sampling and analytical results, including strip charts; date; exact place, and time of sampling; dates analyses were performed; analyst's name; analytical techniques used; and results of all analyses. Such records shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge, or when requested by the Board.

In reporting the monitoring data, the Discharger shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized to demonstrate compliance with Waste Discharge Requirements and, where applicable, shall include results of receiving water observations.

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(Todd Road County Jail Wastewater Treatment Plant)  
Monitoring and Reporting Program No. 7418

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Each quarterly monitoring report shall include the estimated average population served during the quarter.

Monitoring reports shall be signed and certified as follows:

- a. In the a case of corporation, by a principal Executive Officer of at least the level of vice-president;
- b. In the case of a partnership, by a general partner;
- c. In the case of a sole proprietorship, by the proprietor;
- d. In the case of municipal, state, federal, or other public agency, by either a principal Executive Officer or ranking elected official.

A duly authorized representative of a person designated above may sign documents if:

- a. The authorization is made in writing by a person described above;
- b. The authorization specifies either an individual or position having responsibility for the overall operation of the regulated facility or activity; and
- c. The written authorization is submitted to the Executive Officer of this Regional Board.

Each report shall contain the following completed declaration:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. [California Water Code Sections 13263, 13267, and 13268]

Executed on the \_\_\_ day of \_\_\_\_\_ at \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Signature  
Title"



County of Ventura Public Works Agency  
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Operation and Maintenance Report

The Discharger shall file a technical report with this Board, not later than 30 days after receipt of these Waste Discharge Requirements, relative to the operation and maintenance program for this treatment facility. The information to be contained in that report shall include, as a minimum, the following:

- a. The name and address of the person or company responsible for operation and maintenance of the facility.
- b. Type of maintenance (preventive or corrective).
- c. Frequency of maintenance, if preventive.

These records and reports are public documents and shall be made available for inspection during business hours at the offices of the California Regional Water Quality Control Board, Los Angeles Region.

  
ROBERT P. GHIRELLI, D.Env.  
Executive Officer

Date: August 22, 1994

/MB