

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LOS ANGELES REGION**

101 CENTRE PLAZA DRIVE  
MONTEREY PARK, CA 91754-2156  
(213) 266-7500  
FAX: (213) 266-7600



March 7, 1994

Mr. Bert Hayman  
Los Angeles County Department of Health Services  
Antelope Valley Rehabilitation Centers  
30500 North Arrastre Canyon Road  
Acton, CA 93510

**WASTE DISCHARGE REQUIREMENTS FOR LOS ANGELES COUNTY DEPARTMENT OF HEALTH SERVICES, WARM SPRINGS REHABILITATION CENTER, 38200 NORTH LAKE HUGHES ROAD, CASTIAC, CALIFORNIA (FILE NO. 62-101, CI NO. 4242)**

Our letter dated February 8, 1994, transmitted copies of tentative Waste Discharge Requirements for waste discharge from the above project.

Pursuant to Division 7 of the California Water Code, this California Regional Water Quality Control Board, at a public meeting held on February 28, 1994, reviewed the tentative Waste Discharge Requirements, considered all factors in the cases, and adopted Order No. 94-017 (copy attached), relative to this waste discharge.

<u>Project</u>	<u>File No.</u>	<u>Order No.</u>	<u>Monitoring Program No.</u>
Los Angeles County Department of Health Services, Warm Springs Rehabilitation Center	62-101	94-017	4242

You are required to implement Monitoring and Reporting Program No. 4242 on the effective date of the Order. Your first monitoring report under these requirements is due to this Regional Board by April 30, 1994. All Monitoring reports should be sent to the Regional Board, Attn: Technical Support Unit.

Please reference all technical and monitoring reports to our Compliance File No. 4242. We would appreciate it if you would not combine other reports, such as progress or technical reports, with your monitoring reports.

Mr. Bert Hayman

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If you have any questions, please call me at (213) 266-7546.

*David A. Bacharowski*

David A. Bacharowski  
Environmental Specialist IV  
Subsurface Regulation/Investigation Unit

cc: United States Forestry Service, Angeles Forest, Attn: Mr. Al Kellogg  
State Water Resources Control Board, Division of Water Quality, Attn: Archie Matthews  
State Water Resources Control Board, Office of Chief Counsel, Attn: Jorge Leon  
Department of Water Resources, Southern District  
Department of Fish and Game, Region 5  
Department of Health Services, Public Water Supply Branch, Attn: Gary Yamamoto  
Department of Health Services, Environmental Management Branch, Attn: Michael Kiado  
South Coast Air Quality Management District  
Los Angeles County, Department of Public Works, Attn: T. D. Tidemanson  
Los Angeles County, Department of Regional Planning  
Los Angeles County, Department of Health Services, Environmental Health - Health Facilities  
Los Angeles County, Department of Public Works, Waste Management Division, Attn: Carl Sjoberg  
Los Angeles County, Department of Health Services  
County Sanitation District of Los Angeles County, Attn: Charles W. Carry

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

ORDER NO. 94-017

WASTE DISCHARGE REQUIREMENTS  
FOR  
COUNTY OF LOS ANGELES, DEPARTMENT OF HEALTH SERVICES  
(Warm Springs Rehabilitation Center)  
(File No. 62-101)

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

1. The County of Los Angeles Department of Health Services (Discharger) operates Warm Springs Rehabilitation Center Wastewater Treatment Plant (Plant), within the property limits of the Warm Springs Rehabilitation Center, located at 38200 North Lake Hughes Road, Castaic, California (Figure 1). Treated domestic wastewaters are discharged under Waste Discharge Requirements contained in Order No. 88-52, adopted by this Regional Board on May 23, 1988.
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 Board. A review of the current requirements, followed by a site inspection, was conducted by Regional Board staff, and no violations of requirements were observed.
3. The wastewater treatment process consists of comminution, extended aeration, secondary settling, filtration, chlorination and aerobic sludge digestion processes. Waste sludge is hauled to an approved disposal site.
4. The Plant has a design capacity of 30,000 gallons per day (gpd). All of the treated wastewater is pumped to an aboveground holding tank for storage prior to disposal. On a monthly average, up to 26,000 gpd of treated wastewater is discharged via spray nozzles, and is applied to a seven-acre parcel of land owned by the U. S. Forest Service and leased by the Warm Springs Rehabilitation Center.

Revised January 4, 1994  
October 6, 1993

5. In emergencies, untreated and/or treated wastewater is stored in an adjacent holding pond constructed of a soil and cement mixture. Untreated wastewater is returned to the headworks of the treatment plant for processing; treated wastewater is pumped from the holding pond back to the headworks, or pumped directly to the storage tank for gravity flow to the spray disposal area.
6. The source of domestic water for the site is local groundwater, produced from on-site wells.
7. Modular on-site water softening units are used within the Warm Springs Rehabilitation Center. When a water softening unit is exhausted, it is hauled offsite for regeneration. There is no on-site regeneration or discharge of water softening wastes.
8. The treatment plant and disposal areas are located in Track K, Section 16, Township 6N, Range 16W, San Bernardino Base & Meridian. (The facility's approximate latitude is 34°36'25"; its longitude, 118°33'30").
9. The treatment facility and spray disposal area overlie the Eastern Hydrologic Subarea (above Bouquet Canyon) of the Santa Clara River Valley Eastern Groundwater Basin.
10. The beneficial uses of groundwater are municipal and domestic supply, industrial service and process supply, and agricultural supply.
11. The Regional Board adopted a revised Water Quality Control Plan (Plan) for the Santa Clara River Basin on October 22, 1990. The Plan contains beneficial uses and water quality objectives for groundwater of the Santa Clara River Valley Eastern 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.
12. 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 Title 14, California Code of Regulations, 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 updated requirements.

IT IS HEREBY ORDERED that the County of Los Angeles, Department of Health Services, Warm Springs Rehabilitation Center Wastewater Treatment Plant, shall comply with the following:

A. EFFLUENT LIMITATIONS

1. Wastes discharged shall be limited to treated domestic wastewater only.
2. The pH of wastewater discharged shall at all times be within the range 6.5 to 8.5 pH units. ✓
3. 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.
4. Wastes discharged shall not contain constituents in excess of the following limits:

<u>Constituent</u>	<u>Units</u>	<u>Maximum Effluent Limitation</u>
Total dissolved solids	mg/L	800 ✓
Sulfate	mg/L	150 ✓
Chloride	mg/L	150 ✓
Boron	mg/L	1.0 ✓
Nitrate-N plus nitrite-N plus ammonia-N	mg/L	10 ✓
Oil & grease	mg/L	15 ✓
Suspended solids	mg/L	30 ✓
BOD <sub>5</sub> 20°C	mg/L	30 ✓

B. SPECIFICATIONS FOR DISPOSAL OF WASTEWATER

1. Wastewater disposed of by irrigation shall at all times be an adequately disinfected wastewater.

The wastewater shall be considered adequately disinfected if the 7-day median number of coliform organisms in the effluent does not exceed 23 per 100 milliliters, and the number of coliform organisms does not exceed 240 per 100 milliliters in any two consecutive samples.

2. Wastewater discharged for irrigation shall be retained on the areas of use and shall not be allowed to escape as surface flow, except as provided for in a National Pollutant Discharge Elimination System (NPDES) Permit.

For the purpose of this requirement, however, minor amounts of irrigation return water from peripheral areas shall not be considered a violation of this Order.

3. Wastewater discharged by irrigation shall be applied at such a rate and volume as not to exceed vegetative demand and soil moisture conditions. Special precautions must be taken to prevent clogging of spray nozzles, to prevent overwatering and to exclude the production of runoff. Pipelines shall be maintained so as to prevent leakage.

4. Wastewater shall not be used for irrigation within 150 feet of any water well or mineral spring.

5. At locations within the facility, along the perimeter, at points of access to the area where wastewater is used, signs shall be posted with the following warning: "ATTENTION: WASTEWATER-AVOID CONTACT - DO NOT DRINK".

6. No industrial wastes shall be discharged at this site.

7. Public access to the wastewater treatment, storage, and disposal facilities shall be restricted at all times.

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C. GENERAL REQUIREMENTS

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

2. Wastewater shall not be used for irrigation during periods of extreme rainfall and/or runoff.
  3. Standby or emergency power facilities and/or sufficient capacity shall be provided for wastewater storage during rainfall or in the event of plant upsets or power outages, and at times when irrigation cannot be practiced.
  4. Wastewater discharge or disposal shall not result in earth movement in geologically unstable areas.
  5. Adequate facilities shall be provided to protect the sewage treatment facilities from damage by storm flows and runoff.
  6. Adequate freeboard shall be maintained in the wastewater holding pond to ensure that direct rainfall will not cause overtopping.
  7. Neither treatment of waste, nor any wastewater disposal, shall cause pollution or nuisance.
  8. Wastewater treatment and disposal shall not result in problems due to breeding of mosquitoes, gnats, midges, or other pests.
  9. Wastewater disposal shall not impart tastes, odors, color, foaming, or other objectionable characteristics to receiving groundwaters.
  10. Wastewater disposal, which could affect receiving groundwaters, shall not contain any substance in concentrations toxic to human, animal, or plant life.
  11. Odors of sewage origin shall not be perceivable beyond the limits of the property owned or controlled by the Discharger.
  12. Regeneration brine wastewaters from the softeners shall not be discharged to the treatment plant.
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D. PROVISIONS

1. A copy of these requirements shall be maintained at the treatment facility so as to be available at all times to operating personnel.
2. In the event of any change in name, ownership, or control of this waste treatment and disposal facility, 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.
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 locations 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, by telephone within 24 hours, of any violations of effluent limitations or any adverse conditions as a result of the discharge of wastewater from this facility; written confirmation shall follow within one week.
5. The Discharger shall notify Regional Board staff, immediately by telephone, of any confirmed coliform counts that could cause a violation of the effluent limitations, including the date(s) thereof. This information shall be confirmed in the next monitoring report; in addition, for any actual coliform limit violations that occurred, the report shall also include the reasons for the high coliform results, the steps being taken to correct the problem (including dates thereof), and the steps being taken to prevent a recurrence.
6. 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 or disposal facility, and they leave unaffected any further restraint on the use of wastewater at this site which may be contained in other statutes or required by other agencies.



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. Expansion of this facility from its current capacity shall be contingent upon issuance of all necessary permits, including a Conditional Use Permit.
  8. Supervisors and operators of this 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.
  9. For any extension or expansion of the wastewater spray disposal system, the Discharger shall submit a report detailing the extension or expansion for the approval of the Executive Officer. Following construction, as-built drawings shall be submitted to the Executive Officer for approval prior to disposal of treated domestic wastewater.
  10. The Discharger shall submit to the Regional Board, within 60 days of the adoption of this Order, procedures that will be (or have been) taken to ensure that discharge of untreated sewage from the treatment facility, in the event of equipment failure, will not occur.
  11. Raw sewage or partially dried waste sludge shall not be sprayed on ground surface.
  12. Any offsite disposal of sewage sludge shall be made only to a legal point of disposal, and in accordance with provisions of Division 7.5 of the California Water Code. For the purpose of these requirements, a legal point of disposal is defined as one for which Waste Discharge Requirements have been established by a California Regional Water Quality Control Board, and is in full compliance therewith.
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13. Any discharge of wastewater at any point(s) other than specifically described in this Order is prohibited, and constitutes a violation of the Order.

14. 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.
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. Bypass (the intentional diversion of waste streams from any portion of a treatment facility) is prohibited. The Regional Board may take enforcement action against the Discharger for bypass unless:
  - (a) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage (Severe property damage means substantial physical damage to property, damage to the treatment facilities that causes them to become inoperable, or substantial and permanent loss of natural resources that can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.);
  - (b) There were no feasible alternatives to bypass, such as the use of auxiliary treatment facilities, retention of untreated waste, or maintenance during normal periods of equipment down time. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable

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engineering judgment to prevent a bypass that could occur during normal periods of equipment downtime or preventive maintenance; and

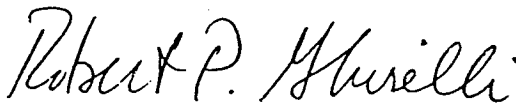
- (c) The Discharger submitted a notice at least ten days in advance of the need for a bypass to the Regional Board.

The Discharger may allow a bypass to occur that does not cause effluent limitations to be exceeded, but only if it is for essential maintenance to ensure efficient operation. In such a case, the above bypass conditions are not applicable.

18. 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", these provisions stated herein will prevail.

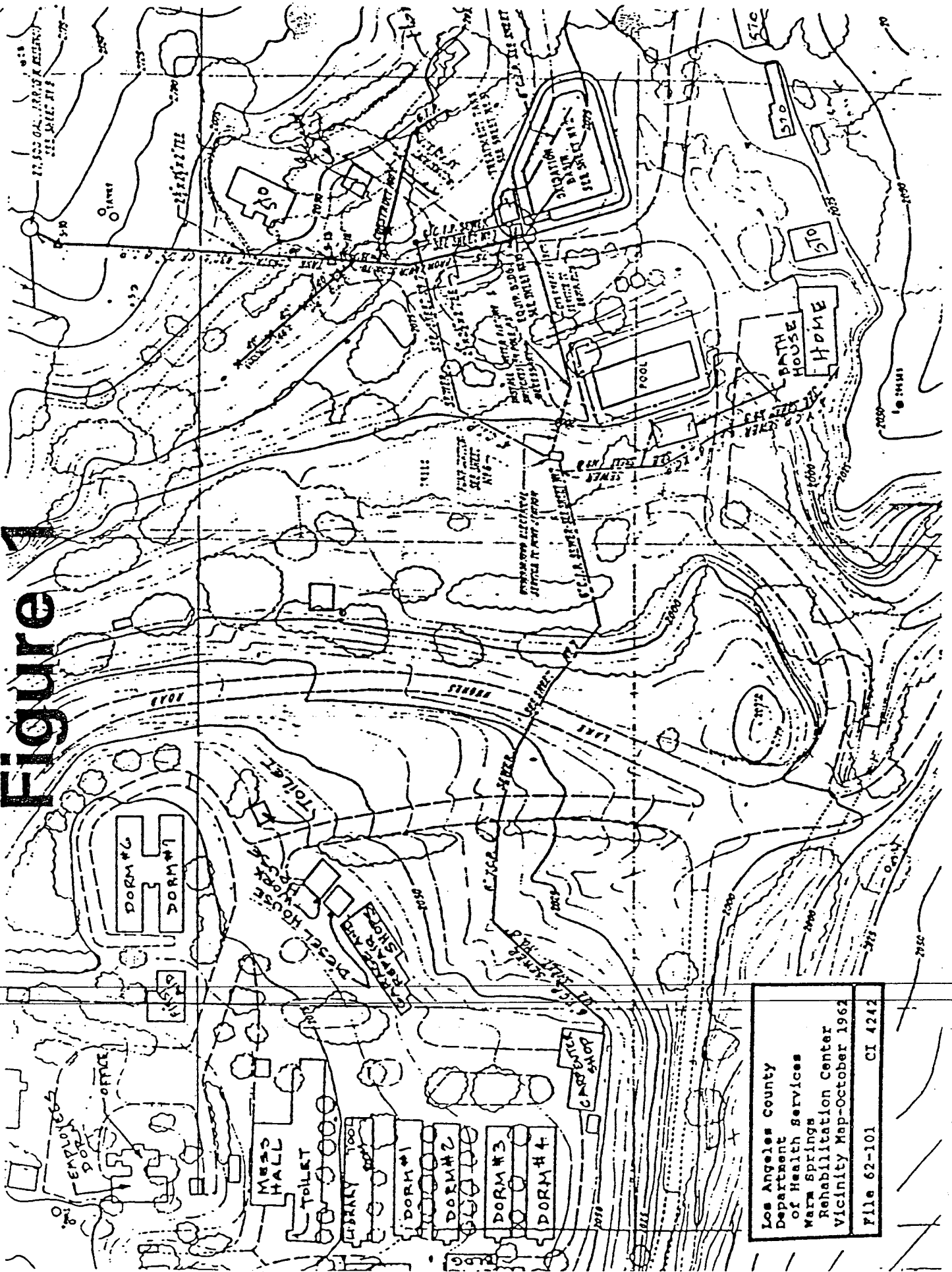
19. Order No. 88-52, adopted by this Regional Board on May 23, 1988, is hereby rescinded.

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 February 28, 1994.



ROBERT P. GHIRELLI, D.Env.  
Executive Officer

# Figure 1



CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LOS ANGELES REGION

MONITORING AND REPORTING PROGRAM NO. 4242  
FOR  
COUNTY OF LOS ANGELES, DEPARTMENT OF HEALTH SERVICES  
(Warm Springs Rehabilitation Center)  
(Order No. 94-017)

County of Los Angeles, Department of Health Services, shall implement this monitoring 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 30
July - September	October 30
October - December	January 30

The first monitoring report under this program shall be submitted by April 30, 1994.

By January 30 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.

Effluent Monitoring

A sampling station shall be established where representative samples of treated wastewater can be obtained. Discharge water 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 wastewater Monitoring Program:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
Total waste flow (5)	gal/day	continuous	----- ✓✓
pH	pH units	grab	weekly ✓ ✓
Coliform <sup>1</sup> -B	MPN/100 ml	grab	weekly ✓ ✓
Suspended solids	mg/L	grab	weekly ✓ ✓
BOD <sub>5</sub> 20°C - G <sub>2</sub>	mg/L	grab	weekly ✓ ✓
Oil & grease - O	mg/L	grab	weekly ✓ ✓
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 nitrogen-N > N	mg/L	grab	quarterly ✓ ✓
Radioactivity	pCi/L	grab	one time analysis <sup>3</sup>
Priority pollutants scan <sup>2</sup>	µg/L	grab	one time analysis <sup>3</sup>

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1 Samples shall be obtained at some point in the treatment process at a time when wastewater flow and characteristics are most demanding on the treatment facility and disinfection procedures. ~~The location(s) of the sampling points and any changes thereto must be approved by the Executive Officer, and proposed changes shall not be made until such approval has been granted.~~

2 Priority pollutants are listed on page T-7.

3 Analyses shall be conducted for priority pollutants, listed on page T-7, and Radioactivity shall be completed during 1994, and submitted with your annual report due by January 30, 1995.

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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, commencing April 30, 1995.

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 quarterly reports shall contain the following information:

- a. Average and maximum daily waste flow for each month of the quarter.
- b. Estimated average population served during each month of the reporting period, and the approximate acreage irrigated by treated wastewater.
- c. A statement relative to compliance with discharge specifications during the reporting period.
- d. Results of at least weekly observations in the disposal area for any overflow or surfacing of waste.

*GENERAL PROVISIONS RESULTS*  
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.

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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 water reclamation requirements and, where applicable, shall include results of receiving water observations.

All analytical data shall be submitted on 3 1/2" or 5 1/4" computer diskette commencing with the April 30, 1995, quarterly report. Submitted data should be IBM-compatible, preferably using Lotus123 or dBase software, or in ASCII format.

If no wastewater was discharged during the quarter, the report shall so state.

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.
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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"

#### Hauling Report

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.

#### Operation and Maintenance Report

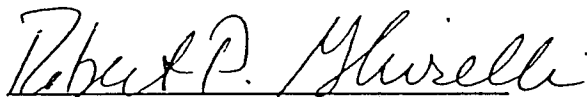
The Discharger shall file a technical report with this Board, not later than 30 days after receipt of these Waste Discharge Requirements, relative to the operation and maintenance program for this treatment facility. The information to be contained in that report shall include, as a minimum, the following:

- 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.

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



ROBERT P. GHIRELLI, D.Env.  
Executive Officer

Date: February 28, 1994

PRIORITY POLLUTANTS

Metals

Antimony  
Arsenic  
Beryllium  
Cadmium  
Chromium  
Copper  
Lead  
Mercury  
Nickel  
Selenium  
Silver  
Thallium  
Zinc

Miscellaneous

Cyanide  
Asbestos (only if specifically required)

Pesticides

Aldrin  
Chlordane  
Dieldrin  
4,4'-DDT  
4,4'-DDE  
4,4'-DDD  
Alpha endosulfan  
Beta endosulfan  
Endosulfan sulfate  
Endrin  
Endrin aldehyde  
Heptachlor  
Heptachlor epoxide  
Alpha BHC  
Beta BHC  
Gamma BHC  
Delta BHC  
Toxaphene  
PCB 1016  
PCB 1221  
PCB 1232  
PCB 1242  
PCB 1248  
PCB 1254  
PCB 1260

Base/Neutral Extractibles

Acenaphthene  
Benzidine  
1,2,4-Trichlorobenzene  
Hexachlorobenzene  
Hexachloroethane  
Bis (2-Chloroethyl) ether  
2-Chloronaphthalene  
1,2-Dichlorobenzene  
1,3-Dichlorobenzene  
1,4-Dichlorobenzene  
3,3'-Dichlorobenzidine  
2,4-Dinitrotoluene  
2,6-Dinitrotoluene  
1,2-Diphenylhydrazine  
Fluoranthene  
4-Chlorophenyl phenyl ether  
4-Bromophenyl phenyl ether  
Bis (2-Chloroisopropyl) ether  
Bis (2-Chloroethoxy) methane  
Hexachlorobutadiene  
Hexachlorocyclopentadiene  
Isophorone  
Naphthalene  
Nitrobenzene  
N-Nitrosodimethylamine  
N-Nitrosodi-N-propylamine  
M-Nitrosodiphenylamine  
Bis (2-Ethylhexyl) phthalate  
Butyl benzyl phthalate  
Di-N-Butyl phthalate  
Di-N-Octyl phthalate  
Diethyl phthalate  
Dimethyl phthalate  
Benzo (A) anthracene  
Benzo (A) pyrene  
Benzo (B) fluoranthene  
Benzo (K) fluoranthene  
Chrysene  
Acenaphthylene  
Anthracene  
1,12-Benzoperylene  
Fluorene  
Phenanthrene  
1,2,5,6-Dibenzanthracene  
Indeno (1,2,3-CD) pyrene  
Pyrene  
TCDD

Acid Extractibles

2,4,6-Trichlorophenol  
P-Chloro-M-cresol  
2-Chlorophenol  
2,4-Dichlorophenol  
2,4-Dimethylphenol  
2-Nitrophenol  
4-Nitrophenol  
2,4-Dinitrophenol  
4,6-Dinitro-O-cresol  
Pentachlorophenol  
Phenol

Volatile Organics

Acrolein  
Acrylonitrile  
Benzene  
Carbon tetrachloride  
Chlorobenzene  
1,2-Dichloroethane  
1,1,1-Trichloroethane  
1,1-Dichloroethane  
1,1,2-Trichloroethane  
1,1,2,2-Tetrachloroethane  
Chloroethane  
Chloroform  
1,1-Dichloroethylene  
1,2-Transdichloroethylene  
1,2-Dichloropropane  
1,2-Dichloropropylene  
Ethylbenzene  
Methylene chloride  
Methyl chloride  
Methyl bromide  
Bromoform  
Bromodichloromethane  
Dibromochloromethane  
Tetrachloroethylene  
Toluene  
Trichloroethylene  
Vinyl chloride  
2-Chloroethyl vinyl ether

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