

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

ORDER NO. 00-110
REVISED WASTE DISCHARGE REQUIREMENTS
FOR
COUNTY OF LOS ANGELES FIRE DEPARTMENT
FORESTER AND FIRE WARDEN CAMP 13
(File No. 61-108)

Ref

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

1. The County of Los Angeles Fire Department (Discharger) operates Forester and Fire Warden Camp 13, located at 1250 S. Encinal Canyon Road near Clark Ranch Road, Malibu (Figure One). The average wastewater discharge from a wastewater treatment plant (treatment plant) in 1999 was 12,000 gallons per day of domestic sewage effluent from a fire station, and a correctional facility. Effluent discharge varies, based on the population of the camp. The effluent is discharged from a secondary activated sludge treatment facility to seven open trenches used as seepage and/or evaporation pits, under waste discharge requirements contained in Order 89-018, adopted by this Board on February 27, 1989. Order 89-018 does not contain effluent limits for nutrients or bacteria.
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. Following a review of requirements in Order No. 89-018, these requirements have been revised to include additional findings, limits, provisions, prohibitions, and a revised monitoring and reporting program.
3. The current design capacity of the treatment plant is 15,000 gallons per day. The treatment plant consists of a surge tank, an aeration tank, a final clarifier, and a chlorine contact tank. The treated wastewater is discharged to seven seepage and/or evaporation pits located approximately 1,000 feet southeast and uphill of the treatment plant.
4. The Los Angeles County Fire Department uses standby generators to provide emergency power for the treatment plant and site.
5. The treatment plant and disposal sites are located in the Trancas Canyon Hydrologic Subarea. Drainage from the percolation and/or evaporation pits flows approximately 500 feet to Trancas Canyon Creek, through Trancas Lagoon, onto Trancas Beach, and into the Pacific Ocean, approximately 4.6 miles downgradient of the site.
6. The Discharger has informed the Regional Board that it cannot immediately comply with the requirements contained in these Waste Discharge Requirements because the treatment

July 27, 2000

plant needs to be upgraded. In order for the Discharger not to be in immediate violation of requirements in the Waste Discharger Requirements, the Regional Board has included a Time Schedule Order (TSO) that will allow the Discharger to complete all needed upgrades within a timeframe specified in the TSO.

7. The Board adopted a revised *Water Quality Control Plan (Basin Plan) for the Los Angeles Region* on June 13, 1994. The *Basin Plan* designates beneficial uses and establishes water quality objectives for beneficial uses for groundwater and surface water. Beneficial uses designated in the *Basin Plan* for these waters include, among others: drinking water, contact and non-contact recreation; aquatic life and wildlife habit; commercial and sport fishing; navigation and shellfish harvesting.
8. A *Water Quality Assessment*, adopted by this Regional Board on May 18, 1998, identified beaches along the Santa Monica Bay as being impaired by pathogens for contact water recreation.
9. The project involves an existing facility and, as such, is exempt from the provisions of the California Environmental Quality Act 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 views and recommendations for the requirements.

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

IT IS HEREBY ORDERED that the County of Los Angeles Fire Department shall comply with the following:

A. INFLUENT LIMITATIONS

1. Waste discharged shall be limited to domestic and kitchen wastewater only. No water softener regeneration brines, laboratory chemicals, or industrial wastes shall be discharged at this location.
2. The maximum daily flow of influent from the collection system to the headworks of the Plant shall not exceed the design capacity of 15,000 gallons per day (calculated on a weekly average) at the headworks of the Plant. This limitation also applies to treated effluent discharge to the seepage and/or evaporation pits.

B. EFFLUENT LIMITATIONS

1. The discharge of raw sewage or inadequately treated wastewater at any time is prohibited.
2. Effluent discharged shall be limited to treated domestic wastewater only. No industrial wastes shall be discharged. No water softener regeneration brines, laboratory chemicals, or industrial wastes shall be discharged at this location.
3. Effluent discharged shall not contain constituents in excess of the following limits:

<u>Constituent</u>	<u>Units</u>	<u>Effluent Limitations</u>	
		<u>Average</u>	<u>Maximum</u>
BOD ₅	mg/L	30	45
Suspended solids	mg/L	30	45
Turbidity	NTU	10	15
Oil and grease	mg/L	----	15
Total Dissolved Solids ✓	mg/L	----	1,000
Sulfate ✓	mg/L	----	250
Chloride ✓	mg/L	----	250
Boron ✓	mg/L	----	1.0
Fecal coliform ¹	MPN/100mL	----	200

4. The effluent discharged shall not contain concentrations of heavy metals, arsenic, cyanide, or other EPA priority pollutants in concentrations exceeding the limits contained in the Department of Health Services, Primary Drinking Water Standards.
5. The pH of the wastes discharged shall at no time be less than 6.5 or more than 8.5.
6. Adequate freeboard shall be maintained at all times in the percolation/evaporation ditches to ensure that rainfall does not cause overtopping. Effluent may not overtop the ditches in any way.
7. The percolation/evaporation ditches shall be adequately maintained at all times to minimize any problems due to the breeding of mosquitoes, gnats, midges, flies, or other pests.
8. 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.

¹ The limits for coliform shall apply after disinfection of the effluent prior to discharge into the seepage and/or evaporation pits.

9. ✓ Breeding of flies, mosquitoes, or other vectors, of public health or nuisance significance shall be controlled insofar as it results from the treatment and disposal of sewage.
10. ✓ Adequate facilities shall be provided to divert storm waters away from waste treatment and disposal facilities and so that discharge of sewage does not occur in a manner that does not comply with all of the foregoing requirements.
11. All wastes, which do not meet each of the foregoing requirements, shall be held in impervious containers and if transferred elsewhere the final disposal shall be only at a legal point of disposal. For the purpose of these requirements a legal point of disposal is one for which requirements have been established by a California Regional Water Quality Control Board, and which is in full compliance therewith.

C. PROVISIONS

1. Upgrades including groundwater monitoring well installation and disinfection of wastewater shall be conducted in accordance with the schedule provided in the attached TSO No. 00-111.
2. ✓ A copy of these waste discharge requirements shall be maintained at the discharge facility so as to be available at all times to operating personnel.
3. ✓ In the event of any change in name, ownership, or control of these waste disposal facilities, the discharger shall notify this 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 Board.
4. ✓ In accordance with section 13267 of the California Water Code, the discharger shall furnish, under penalty of perjury, technical monitoring reports; such reports shall be submitted as specified by the Executive Officer, subject to periodic revisions, as warranted.
5. ✓ In accordance with Section 13260 of the California Water Code, the discharger shall file a report of any material change or proposed change in character, location, or volume of the discharge.
6. ✓ The discharger shall file a written report with this Board within 90 days after the average dry-weather flow for any month equals or exceeds 90 percent of the design capacity of the waste treatment and/or disposal facilities. The report shall detail provisions to cope with flows in excess of 90 percent of the design capacity.

7. / The discharger shall notify this Board immediately, by telephone, of any adverse conditions in the receiving waters as a result of the discharge of wastes from this facility. Written confirmation shall follow within one week. The discharger shall also immediately notify the State Office of Emergency Services, the State Department of Health Services, and the Federal Environmental Protection Agency.

prohibitions
→

8. The discharger shall notify the Board by telephone within 24 hours of any bypassing or overflow of sewage from this facility. Written confirmation shall follow within one week and shall include information relative to the location, estimated volume, date and time, duration, cause, and remedial measures taken to abate the effects of and/or to prevent future bypasses or overflows of sewage from the facility.

9. / Supervisors and operators of publicly owned wastewater treatment plants shall possess a certificate of appropriate grade in accordance with regulations adopted by the State Water Resources Control Board.

10. / This Order includes the attached "Standard Provisions and General Monitoring and Reporting Requirements."

11. These requirements do not exempt the operator of this waste disposal facility from compliance with any other laws, regulations, or ordinances which may be applicable; they do not legalize this waste disposal facility, and they leave unaffected any further restraint on the disposal of wastes at this site which may be contained in other statutes or required by other agencies.

12. This facility shall be compatible with regional sewerage plans that have been or may be developed.

D. PROHIBITONS

1. / Wastes shall not be disposed of in geologically unstable areas or so as to cause earth movement.

2. / Wastes discharged shall not cause tastes, odors, color, foaming, or other objectionable characteristics to receiving groundwater.

3. / Odors of sewage origin shall not be perceivable beyond the limits of the property owned or controlled by the discharger.

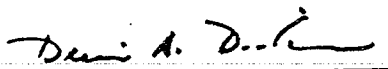
4. / Wastes discharged shall not contain any substance in concentrations toxic to human, animal or aquatic life.

5. ✓ No part of the sewage 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. The domestic sewage collection, treatment and discharge system shall be protected from damage by storm flows or surface runoff generated by a 100-year storm.
7. ✓ Neither the treatment nor the discharge of waste shall cause pollution, contamination, nuisance, or problems due to breeding of mosquitoes, gnats, midges, flies, or other pests.
8. No part of the domestic sewage disposal system shall extend to a depth where wastes may deleteriously affect an aquifer that is usable for domestic purposes. In no case may the sewage collection, treatment or disposal system, including any treated wastewater discharged to the percolation and/or evaporation pits, extend to within 10 feet of the zone of historic or anticipated high groundwater level.
9. 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 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 which is in full compliance therewith.
10. Any septage handling shall be in such a manner as to prevent its reaching surface water or watercourses at any time. Disposal shall be to a legal point of disposition.
11. The sewage collection, treatment, and disposal system shall be maintained in such a manner that at no time will sewage be permitted to surface or overflow at any location.

E. RESCISSION

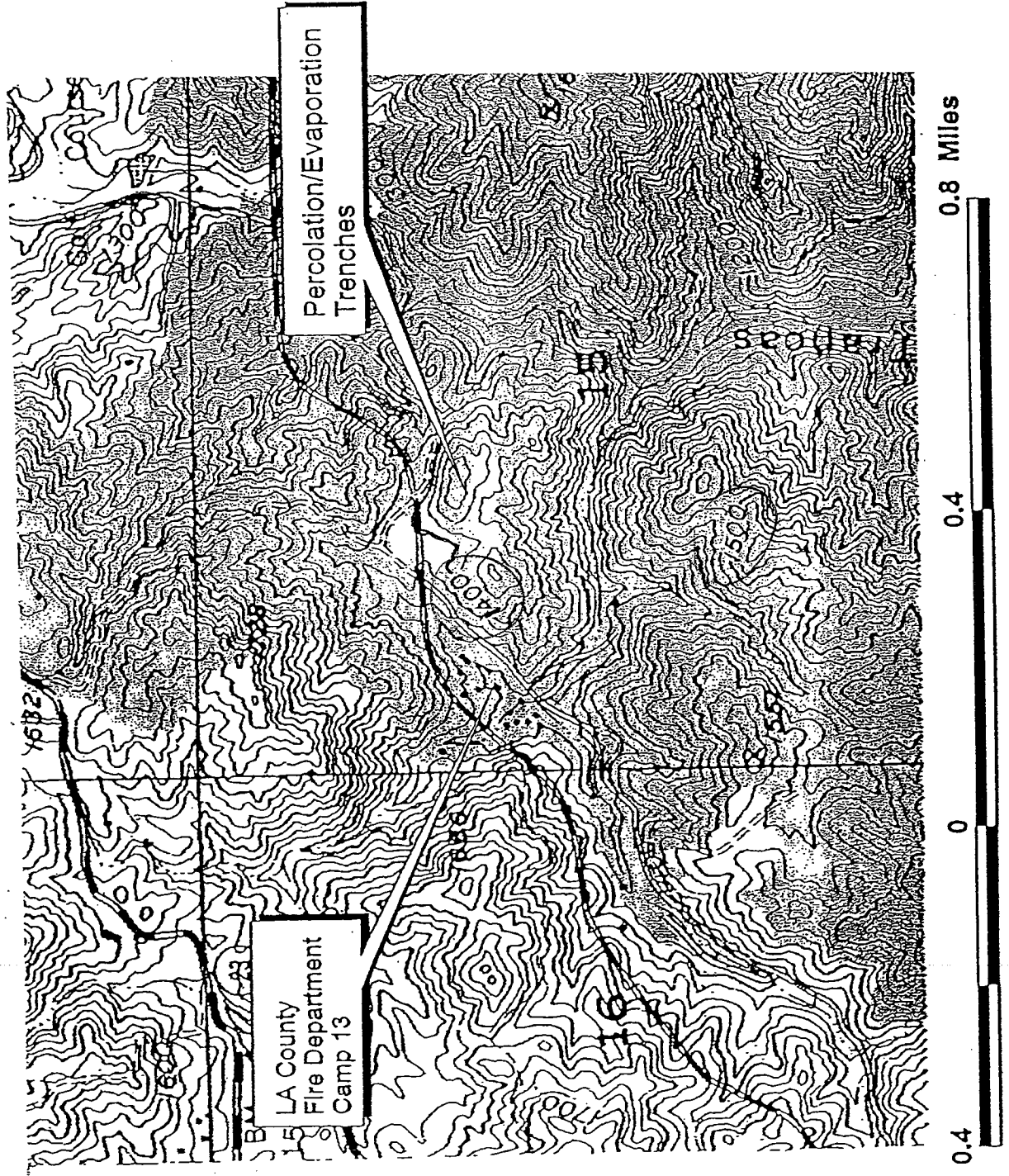
1. Order No. 89-018, adopted by this Board on March 27, 1989, is hereby rescinded.

I, Dennis A. Dickerson, 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 July 27, 2000.



Dennis A. Dickerson
Executive Officer

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD



Location Map
LA County
Fire Department
Camp 13

Figure One

STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
MONITORING AND REPORTING PROGRAM No. 3138
FOR
COUNTY OF LOS ANGELES FIRE DEPARTMENT
FORESTER AND FIRE WARDEN CAMP 13

County of Los Angeles Fire Department (hereinafter Discharger) shall implement this monitoring program for Forester and Fire Warden Camp 13 (hereinafter Plant) on 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	May 15
April - June	August 15
July - September	November 15
October - December	February 15

The first monitoring report under this program shall be submitted by November 15, 2000.

By February 15th of each year, beginning February 15, 2001, the Discharger shall submit an annual report to the Board. The report shall contain summaries of the monitoring data obtained during the previous year calendar year. In addition, the Discharger shall discuss its compliance record and corrective actions taken or planned, which may be required to bring the discharge into full compliance with the Waste Discharge Requirements.

Water Quality Monitoring

A. Effluent Monitoring

Unless specified otherwise, a sampling station shall be established at a location where representative samples of treated wastewater can be obtained prior to discharge to the seepage and/or evaporation pits. 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 Flow	gal/day	recorder	continual 15000
→ pH	pH units	grab	weekly 6.5 - 8.5
✓ BOD ₅ 20°C	mg/L	grab	monthly 45
✓ Suspended solids	mg/L	grab	monthly 45
✓ Turbidity	NTU	grab	monthly 15
✓ Oil and grease	mg/L	grab	quarterly 15
✓ Total dissolved solids	mg/L	grab	quarterly 1000
✓ Sulfate	mg/L	grab	quarterly 250
✓ Chloride	mg/L	grab	quarterly 250

(continued) <u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
→ Boron	mg/L	grab	quarterly 1.0
→ Fecal Coliform	MPN/100 ml	grab	quarterly 200
→ Total coliform	MPN/100ml	grab	quarterly
Chlorine	mg/L	grab	quarterly
Nitrate-N	mg/L	grab	quarterly
Nitrite-N	mg/L	grab	quarterly
Ammonia-N	mg/L	grab	quarterly
Organic nitrogen	mg/L	grab	quarterly
Phosphorus	mg/L	grab	quarterly
Surfactants	mg/L	grab	quarterly
Priority pollutant scan ¹	µg/L	grab	annual

B. Groundwater Monitoring

A groundwater monitoring program shall be designed to detect and evaluate impacts from wastewater discharges through the seepage and/or evaporation pits. In addition, the Discharger must complete a study to determine if there is a hydraulic connection between the seepage and/or evaporation pits and Trancas Canyon Creek. There is no groundwater monitoring network at this time, so cumulative impacts to groundwater are not known. A workplan for monitoring well(s) installation must be submitted to this Regional Board for review by December 15, 2000 and is subject to approval by the Executive Officer prior to implementation. The workplan shall include, at a minimum, recommended locations of groundwater monitoring wells, the construction and development of groundwater monitoring wells, and an evaluation of the adequacy of the proposed or existing groundwater monitoring well network to achieve objectives of monitoring. 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	quarterly
BOD ₅ , 20°C	mg/L	grab	quarterly
Suspended solids	mg/L	grab	quarterly
Turbidity	NTU	grab	quarterly
Total dissolved solids	mg/L	grab	quarterly
Sulfate	mg/L	grab	quarterly
Chloride	mg/L	grab	quarterly
Boron	mg/L	grab	quarterly
Fecal Coliform	MPN/100 ml	grab	quarterly

¹ See attached sheet "Priority Pollutants."

modification for h.s. application → bottom of seepage pit → 10 feet

(continued) <u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
Total coliform	MPN/100 ml	grab	quarterly
Nitrate-N	mg/L	grab	quarterly
Nitrite-N	mg/L	grab	quarterly
Ammonia-N	mg/L	grab	quarterly
Organic nitrogen	mg/L	grab	quarterly
Phosphorus	mg/L	grab	quarterly
Surfactants	mg/L	grab	quarterly

The groundwater monitoring and reporting must include the following information:

- a. Well identification, including date and time sampled;
- b. Sampler identification and laboratory used;
- c. Water temperature;
- d. Quarterly observations of groundwater levels, recorded to 0.01 feet mean sea level;
- e. Vertical separation of the water table from the bottom of the seepage and/or evaporation pits.
- f. An assessment of the hydraulic connection, if any, between the seepage and/or evaporation pits, groundwater and surface water.

C. Surface Water Monitoring

A surface water-monitoring program shall be implemented to detect and evaluate impacts from wastewater discharges through the seepage and/or evaporation pits or the treatment plant to surface water. A surface water monitoring program shall be established so that in the event a discharge of raw or treated sewage is discharged to surface water, or if there is a hydraulic connection with Trancas Creek, surface water shall be measured, sampled, and analyzed, to determine any water quality impacts. A workplan describing representative sampling stations shall be proposed by the discharger by December 15, 2000.

The following shall constitute the surface water-monitoring program:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency² of Analysis</u>
pH	pH units	grab	quarterly
BOD ₅ , 20°C	mg/L	grab	quarterly
Suspended solids	mg/L	grab	quarterly
Turbidity	NTU	grab	quarterly
Oil and grease	mg/L	grab	quarterly
Total dissolved solids	mg/L	grab	quarterly
Sulfate	mg/L	grab	quarterly

² Shall be initiated immediately if there is a direct discharge to, or a hydraulic connection with, surface water.

(continued) <u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
Chloride	mg/L	grab	quarterly
Boron	mg/L	grab	quarterly
Fecal Coliform	MPN/100 ml	grab	quarterly
Total coliform	MPN/100 ml	grab	quarterly
Chlorine	mg/L	grab	quarterly
Nitrate-N	mg/L	grab	quarterly
Nitrite-N	mg/L	grab	quarterly
Ammonia-N	mg/L	grab	quarterly
Organic nitrogen	mg/L	grab	quarterly
Phosphorus	mg/L	grab	quarterly
Surfactants	mg/L	grab	quarterly

The surface water monitoring and reporting must include the following information:

- a) Sample Location, including date and time sampled;
- b) Sampler identification and laboratory used;
- c) Water temperature;
- d) Water elevation with respect to mean sea level;
- e) An assessment of the hydraulic connection between the disposal areas and surface water.

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. 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).

General Provisions for Reporting

The Discharger shall identify all instances of non-compliance and shall submit a statement of the actions undertaken, or proposed, that 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. A statement relative to compliance with discharge specifications during the reporting period.

- b. Results of daily observations in the disposal area for any overflow or surfacing of wastes, other visible effects of the waste discharge, and odor effects.

Waste Hauling Reporting

In the event that waste sludge or other wastes are hauled offsite, the name and address of the hauler shall be reported, along with types and quantities hauled during the reporting period and the location of final point of disposal. In the event that no wastes are hauled during the reporting period, a statement to that effect shall be submitted.

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 facility. The information to be contained in the report shall include, at 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.

Certification Statement

Each report shall contain the following completed declaration:

“I certify under penalty of law that this document, including all attachments and supplemental information, were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Executed on the ___ day of _____, 20___,

at _____

(Signature)

(Title)”

County of Los Angeles Fire Department
Forester and Fire Warden Camp 13

Order No. 00-110
CI No. 3138

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

Ordered by Dennis A. Dickerson

Date: _____

Dennis A. Dickerson
Executive Officer