

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

ORDER NO. 93-039
WASTE DISCHARGE REQUIREMENTS
FOR

THE LOS ANGELES COUNTY FIRE DEPARTMENT, CAMP NO. 11
(File No. 71-49)

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

1. The Los Angeles County Fire Department, (hereinafter called the Discharger), discharges wastes at Camp No. 11, under waste discharge requirements contained in Order No. 71-38, adopted by this Board on October 27, 1971.
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 review of the current requirements and monitoring reports, followed by site inspection were conducted by the Board staff, and no violations were observed.
3. The Discharger operates Camp No. 11 at 8800 West Soledad Canyon Road, approximately 1/4 mile south of the Santa Clara River, in Acton, California. The site has a design capacity of 9,000 gallons per day of domestic sewage, using a disposal system consisting of four septic tanks and five leachfields.
4. Domestic water for the development is supplied by Los Angeles County Water Works District 37.
5. The camp is located in an unsewered area of the Acton area. The cumulative nitrate increase in the groundwater, from the combination of this site and other future projects in the area, may cause an unacceptable impact on the groundwater.
6. An action level for nitrate in the groundwater has been identified at 34 mg/L, or 75% of the State Department of Health Services Maximum Contaminant Level [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.
7. The facility overlies the Acton Valley Groundwater Basin, within the Acton Hydrologic Subarea of the Upper Santa Clara-Calleguas Hydrologic Unit.

Revised April 8, 1993

8. The beneficial uses of the groundwater are municipal and domestic supply, agricultural supply, industrial service supply, and industrial 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 water quality objectives for the Acton Hydrologic Subarea. The requirements contained in this Order, as they are met, will be in conformance with the goals of the Water Quality Control Plan.
10. This is 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 Board has notified the Discharger of its intent to revise the requirements for discharge of wastes, and has provided the Discharger with an opportunity to submit written comments.

The Board, in a public meeting, heard and considered all comments pertaining to the discharge and the tentative Waste Discharge Requirements.

IT IS HEREBY ORDERED that Los Angeles County Fire Department, Camp No. 11, shall comply with the following:

A. DISCHARGE PROHIBITIONS

1. Wastes discharged shall be limited to domestic sewage only; no water softener regeneration brines or industrial or commercial wastes shall be discharged at this location.
2. 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 reaching surface waters or watercourses.

B. WASTE DISCHARGE REQUIREMENTS

1. No part of the septic tanks or leachfields shall be closer than 150 feet to any water well, or closer than 100 feet to any stream, channel or other watercourse.
2. 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 septic tanks or leachfields extend to within 10 feet of the zone of historic or anticipated high groundwater level. The Discharger must submit certification that the septic tanks and leachfields meet this requirement.
3. No waste discharge shall create a condition of pollution, contamination, or nuisance.
4. Wastes discharged shall at no time contain any substance in concentrations toxic to human, plant, or aquatic life.
5. The septic tanks and leachfields shall be maintained in such a manner that at no time will sewage be permitted to surface or overflow at any location.
6. The septic tanks and leachfields shall be protected from damage by storm flows or runoff.
7. Odors of sewage origin shall not be perceivable from the septic tanks or leachfields.
8. Wastes shall not be disposed of in geologically unstable areas or so as to cause earth movement.
9. The Discharger shall comply with all rules and regulations of the Los Angeles County Department of Health Services for construction and operation of domestic sewage disposal systems.
10. A groundwater monitoring program shall be established so that the groundwater beneath the project, or in the immediate vicinity of the site, may be sampled and analyzed to determine if the project has impacted the groundwater quality. Analyses of the groundwater may be made from available known wells or by the emplacement of new monitoring wells.

C. PROVISIONS

1. This facility shall be compatible with regional sewage collection and treatment plans.
2. The number of wells, well locations, and/or installation of monitoring wells, for this site shall be subject to the Executive Officer's approval. The proposed monitoring well system shall be submitted to the Executive Officer for approval within 120 days of adoption of this Order.
3. As soon as a community sewer system becomes available, the Discharger shall connect to the sewer system and properly close the domestic sewage disposal systems.
4. The Discharger shall submit as-built construction and operation details of the septic tanks and leachfield systems to the Board for review within 30 days of receiving this Order.
5. The Discharger shall establish a responsible party to comply with this Order and the monitoring and reporting program. This information shall be provided to the Board at least 30 days of receiving this Order.

Thereafter, the Discharger must notify the Board, in writing, at least 30 days in advance of any proposed transfer of this Order's responsibility and coverage to a new Discharger. The notice must include a written agreement between the existing and new Dischargers containing a specific date for the transfer of responsibility under this Order and compliance between the current and new Dischargers.

6. In the event that nitrate concentration in any downstream monitoring well reaches or exceeds 34 mg/L (75% of the State Department of Health Services Maximum Contaminant Level [MCL] of 45 mg/L), the Discharger must submit an implementation plan to this Board. The Plan must contain an appropriate time schedule, within 45 days from the date the nitrate contamination was discovered, proposing a methodology to remediate nitrate contamination in the groundwater so as to preclude the 45 mg/L MCL.
7. This Order includes "Standard Provisions Applicable to Waste Discharge Requirements".

D. RESCISSION

Order No. 71-38, adopted by this Board on October 27, 1971, is hereby rescinded.

I, Robert P. Ghirelli, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of a revised Order adopted by the California Regional Water Quality Control Board, Los Angeles Region, On June 14, 1993.


ROBERT P. GHIRELLI, D.Env.
Executive Officer

State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, LOS ANGELES REGION
MONITORING AND REPORTING PROGRAM NO. 5710
FOR
THE LOS ANGELES COUNTY FIRE DEPARTMENT, CAMP NO. 11
(File No. 71-49)

The Discharger shall implement this groundwater monitoring program on the first day of the month following the adoption 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 15 |
| April-June | July 15 |
| July-September | October 15 |
| October-December | January 15 |

All water quality data shall be summarized in an annual report, submitted to the Regional Board on January 15, for each year following issuance of the original Waste Discharge Requirements.

GROUNDWATER MONITORING

The Discharger shall establish suitable and accessible water wells, subject to the Executive Officer's approval, to serve as groundwater monitoring stations. The groundwater monitoring program shall be as follows:

| <u>Constituent</u> | <u>Units</u> | <u>Type of Sample</u> | <u>Minimum Frequency of Analysis</u> |
|---|--------------|-----------------------|--------------------------------------|
| Nitrogen-ammonia | mg/L | grab | quarterly |
| Nitrogen-nitrate | mg/L | grab | quarterly |
| Nitrogen-nitrite | mg/L | grab | quarterly |
| Chloride | mg/L | grab | quarterly |
| Sulfate | 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 |
| Total coliform | count/100ml | grab | quarterly |
| Fecal coliform | count/100ml | grab | quarterly |
| Volatile Organic Compounds (EPA Method 524.2) | µg/L | grab | quarterly |

This groundwater monitoring schedule is subject to revision. Laboratory analyses must follow methods approved by the United States Environmental Protection Agency (EPA); the laboratory must meet EPA Quality Assurance Quality Control (QAQC) criteria. Surfactants analyses must be carried out as specified in "Standard Methods for the Examination of Water and Wastewater" (17th edition, American Public Health Association, Port City Press, Baltimore: 1989).

The groundwater monitoring reports shall contain the following information:

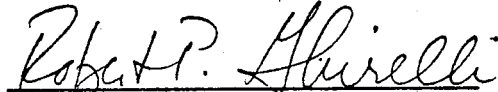
- a. Groundwater quality monitoring data as specified above. This data shall be submitted to the Regional Board in hard copy and on 3 1/2" or 5 1/4" computer diskette. Submitted data must be IBM compatible, preferably using Lotus 123 or dBASE software.
- b. Well identification, date and time of sampling, water temperature, depth to groundwater (from a standard reference point), sampler identification, laboratory identification, date(s) of analysis.
- c. The average and maximum quantity of discharge for each month of the quarter, in gallons per day.
- d. A statement relative to compliance with discharge specifications during the period of report.
- e. In the event that septage is hauled to a legal disposal site, the name and address of the hauler of the septage shall be reported, along with the quantity hauled during the reporting period 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 and shall include a statement relative to disposal of septage during the period.

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.

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.

Ordered by


ROBERT P. GHIRELLI, D.Env.
Executive Officer

Date: June 14, 1993