



EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIGUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

Los Angeles Regional Water Quality Control Board

May 15, 2015

Mr. Tony Jimenez
Los Angeles County Fire Department
2300 East 27th Street
Signal Hill, CA 90755

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7012 3460 0000 2166 2594

GENERAL WASTE DISCHARGE REQUIREMENTS FOR SMALL DOMESTIC WASTEWATER TREATMENT SYSTEMS – LOS ANGELES COUNTY FORESTER AND FIRE WARDEN CAMP NO. 8 LOCATED AT 1900 SOUTH RAMBLA PACIFICO STREET, MALIBU, CALIFORNIA 90265 (FILE NO. 55-090, ORDER WQ 2014-0153-DWQ, SERIES NO. 007, CI-6478, GLOBAL ID WDR100001221)

Dear Mr. Jimenez:

The California Regional Water Quality Control Board, Los Angeles Region (Regional Board), is the public agency with primary responsibility for the protection of ground and surface water quality for all beneficial uses of water within major portions of Los Angeles and Ventura Counties, including facility mentioned above.

Los Angeles County Fire Department (hereinafter Discharger) Forester and Fire Warden Camp No. 8 (Camp) located at 1900 South Rambla Pacifico Street, Malibu, California, is a fire camp.

The subject site was a Nike missile military base from the 1950s to the 1960s and the federal government owns the land. The Los Angeles County Fire Department leased the land from the federal government and established the Camp in 1973.

The Camp currently has four buildings: (a) the Main Building; (b) the General Population (GP) Building, (c) the kitchen, and (d) the Tool Shed.

Wastewater from the Camp is discharged to a treatment plant located at the southwest portion of the facility. The treatment plant is consisted of: (a) headworks comminutor/screen, (b) primary clarifier, (c) trickling filter, (d) secondary clarifier, and (e) two chlorine contact chambers.

The treatment plant is located approximately 200 feet directly to the south of the Tool Shed. Wastewater from the Camp flows by gravity through the inlet/headworks to the comminutor/screen. After the solids are removed by the comminutor/screen, the water flows to the primary clarifier with a capacity of 46,000 gallons per day (gpd). After separation of solids and liquid by the primary clarifier, the liquid portion is passed through the trickling filter (capacity: 30,000 gpd) to further remove biochemical oxygen demand (BOD). The liquid then flows to the secondary clarifier (capacity: 20,000 gpd) for further treatment. Part of the liquid from the secondary clarifier is recycled back to the inlet during low flow periods to keep the trickling filter media wet. There is also a Chlorine Room to store the chlorine tablets and a 1,000-gallon

CHARLES STRINGER, CHAIR | SAMUEL UNGER, EXECUTIVE OFFICER

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chlorine contact chamber for disinfection of effluent from the secondary clarifier. The final effluent is discharged to the subsurface in an area located approximately 100 feet to the south of the treatment plant. This area is approximately 115 feet in length and 20 feet in width.

On a typical day there are 15 staff onsite during daytime hours. Only 2 to 3 staff normally stay overnight in the dorm. A maximum of 40 fire fighters stay at the Camp during fire season. The estimated maximum discharge volume to the treatment plant is 3,000 gpd. The design capacity of the treatment plant is 12,600 gpd. Therefore, the maximum allowable discharge volume to the treatment plant is 12,600 gpd.

The effluent limitations for the wastewater treatment plant are:

Effluent Limitations Based on Technology Performance (Trickling Filter)		
Constituent	Units ¹	Limit
Biochemical Oxygen Demand (BOD)	mg/L	90 ²
Total Nitrogen (Low Threat)	mg/L	50% ³

¹mg/L: milligrams per liter

²The limit is based on a 65-percent reduction of incoming BOD. An incoming BOD of 250 mg/L was used to calculate the value.

³The value represents the minimum percent reduction compared to the untreated wastewater value. Reduction shall be calculated on an annual basis. In no case shall the reduction result in an effluent limit lower than 10 mg/L total nitrogen.

The wastewater treatment plant shall also meet the following performance goals:

Performance Goals		
Constituent	Units ¹	Limit ²
BOD	mg/L	45
Total Nitrogen (Total N)	mg/L	10
pH	pH unit	6.5 to 8.5
Turbidity	NTU	5
Total coliform	MPN/100mL	2.2
Fecal coliform	MPN/100mL	2.2

¹NTU: Nephelometric Turbidity Units; MPN/100mL: Most Probable Number per 100 milliliters

²Based on best achievable performance for the treatment process.

Regional Board staff have reviewed the information provided and have determined that the proposed discharge meets the conditions specified in "State Water Resources Control Board Order WQ 2014-0153-DWQ, General Waste Discharge Requirements for Small Domestic Wastewater Treatment Systems," adopted by the State Water Resources Control Board on September 23, 2014.

Enclosed are your General Waste Discharge Requirements, consisting of Order WQ 2014-0153-DWQ (Series No. 007), and revised Monitoring and Reporting Program No. CI-6478. Groundwater monitoring is not required at this time. However, please note that the discharge limits in the *Water Quality Control Plan – Los Angeles Region* (Basin Plan) for "Santa Monica Mountains – southern slope, Malibu Valley" (2,000 mg/L for total dissolved solids (TDS), 500 mg/L for sulfate, 500 mg/L for chloride, and 2.0 mg/L for boron) are applicable to your discharge if groundwater monitoring is required in the future. Should changes to the wastewater treatment

plant be needed, revised engineering drawings showing the changes must be filed with the Regional Board a minimum of thirty days prior to the changes. The Discharger must receive approval of such changes. **Also, be aware that this permit is solely for the discharges from the bathrooms, kitchen, and utility sinks and no other wastes shall be discharged to the wastewater treatment plant.**

The Monitoring and Reporting Program (MRP) requires you to implement the monitoring program on the effective date of coverage under this permit.

The Discharger shall comply with the Electronic Submittal of Information (ESI) requirements by submitting all reports and correspondence required under the MRP, including groundwater monitoring data, discharge location data, and pdf monitoring reports to the State Water Resources Control Board GeoTracker database under Global ID WDR100001221. ESI training video is available at:

<https://waterboards.webex.com/waterboards/ldr.php?AT=pb&SP=MC&rID=44145287&rKey=7dad4352c990334b>

Please see Paperless Office Notice for GeoTracker Users, dated December 12, 2011 at:

<http://www.waterboards.ca.gov/losangeles/resources/Paperless/Paperless%20Office%20for%20OGT%20Users.pdf>

To avoid paying future annual fees, please submit a written request for termination of your enrollment under the general permit in a separate letter if your facility is connected to a sewer and the permit is no longer needed. Be aware that the annual fee covers the fiscal year billing period beginning July 1 and ending June 30, the following year. You will pay the full annual fee if your request for termination is made after the beginning of the new fiscal year beginning July 1.

If you have any additional questions, please contact the Project Manager, Mr. David Koo at (213) 620-6155 (dkoo@waterboards.ca.gov) or the Chief of Groundwater Permitting Unit, Dr. Eric Wu at (213) 576-6683 (ewu@waterboards.ca.gov).

Sincerely,



Samuel Unger, P.E.
Executive Officer

Enclosures:

- 1) State Water Resources Control Board Order WQ 2014-0153-DWQ
- 2) Monitoring and Reporting Program CI-6478

cc: Mr. Eric Edwards, County of Los Angeles Department of Public Health
Mr. Alioune Dioum, Los Angeles County Department of Public Works, Project
Management Division II, 5th Floor
Ms. Janet A. Fordunski, PACE | Advanced Water Engineering

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

**REVISED MONITORING AND REPORTING PROGRAM NO. CI-6478
FOR**

**LOS ANGELES COUNTY FIRE DEPARTMENT
FORESTER AND FIRE WARDEN CAMP NO. 8**

**ENROLLMENT UNDER STATE WATER RESOURCES CONTROL BOARD
ORDER WQ 2014-0153-DWQ**

**GENERAL WASTE DISCHARGE REQUIREMENTS FOR
SMALL DOMESTIC WASTEWATER TREATMENT SYSTEMS
(SERIES NO. 007)
FILE NO. 55-090**

I. REPORTING REQUIREMENTS

- A. Los Angeles County Fire Department (hereinafter Discharger) Forester and Fire Warden Camp No. 8 located at 1900 South Rambla Pacifico Street, Malibu, California (Figure 1), shall implement this Monitoring and Reporting Program (MRP) on the effective date of this enrollment (May 15, 2015) under State Water Resources Control Board Order WQ 2014-0153-DWQ. The first monitoring report under this program, for April to June 2015, shall be received at the Regional Board by July 30, 2015.

Monitoring reports shall be received 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

- B. If there is no discharge during any reporting period, the report shall so state.
- C. By January 31st of each year, beginning January 31, 2016, the Discharger shall submit an annual summary report to the Regional Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous calendar 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 (WDR).
- D. Laboratory analyses – all chemical, bacteriological, and/or toxicity analyses shall be conducted at a laboratory certified for such analyses by the State Water

Resources Control Board, Division of Drinking Water (SWRCB-DDW) Environmental Laboratory Accreditation Program (ELAP). A copy of the laboratory certifications shall be provided each time a new analysis is used and/or renewal is obtained from ELAP.

- E. The method limits (MLs) employed for effluent analyses shall be lower than the permit limits established for a given parameter, unless the Discharger can demonstrate that a particular ML is not attainable and obtains approval for a higher ML from the Executive Officer. At least once a year, the Discharger shall submit a list of the analytical methods employed for each test and the associated laboratory quality assurance/quality control (QA/QC) procedures.
- F. All QA/QC samples must be run on the same dates when samples were actually analyzed. The Discharger shall make available for inspection and/or submit the QA/QC documentation upon request by Regional Board staff. Proper chain of custody procedures must be followed and a copy of the chain of custody documentation shall be submitted with the report.
- G. Each monitoring report must affirm in writing that "All analyses were conducted at a laboratory certified for such analyses by the SWRCB-DDW ELAP, and in accordance with current United States Environmental Protection Agency (USEPA) guideline procedures or as specified in this Monitoring Program." Proper chain of custody procedures must be followed and a copy of the completed chain of custody form shall be submitted with the report.
- H. For every item where the requirements are not met, the Discharger shall submit a statement of the cause(s), and actions undertaken or proposed which will bring the discharge into full compliance with waste discharge requirements at the earliest possible time, including a timetable for implementation of those actions.
- I. 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 Regional Board.
- J. 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 the requirements and, where applicable, shall include results of receiving water observations.
- K. Any mitigation/remedial activity including any pre-discharge treatment conducted at the site must be reported in the quarterly monitoring report.

- L. Each monitoring report shall contain a separate section titled "Summary of Non-Compliance" which discusses the compliance record and the corrective actions taken or planned that may be needed to bring the discharge into full compliance with WDR. This section shall be located at the front of the report and shall clearly list all non-compliance with discharge requirements, as well as all excursions of effluent limitations.

II. EFFLUENT MONITORING REQUIREMENTS

Samples of effluent shall be taken at an area that represents the effluent quality distributed to the subsurface disposal area. At a minimum, effluent monitoring shall consist of the following:

<u>CONSTITUENT</u>	<u>UNITS</u>	<u>SAMPLE TYPE</u>	<u>SAMPLE FREQUENCY</u>	<u>REPORTING FREQUENCY</u>
Flow Rate	gpd	Meter	Continuous	Quarterly
Biochemical Oxygen Demand	mg/L	Grab	Monthly	Quarterly
Total Suspended Solids	mg/L	Grab	Monthly	Quarterly
Total Dissolved Solids	mg/L	Grab	Monthly	Quarterly
Total Nitrogen	mg/L	Grab	Monthly	Quarterly
Sulfate	mg/L	Grab	Monthly	Quarterly
Chloride	mg/L	Grab	Monthly	Quarterly
Boron	mg/L	Grab	Monthly	Quarterly
Total Coliform	MPN/100mL	Grab	Monthly	Quarterly
Fecal Coliform	MPN/100mL	Grab	Monthly	Quarterly
Enterococcus	MPN/100mL	Grab	Monthly	Quarterly

III. GROUNDWATER MONITORING PROGRAM

A groundwater monitoring program will not be required at this time. In the future, the Executive Officer may determine that a groundwater monitoring program is needed to fully evaluate the impact from your wastewater discharge in groundwater.

IV. 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:

1. A statement relative to compliance with discharge specifications during the reporting period; and
2. Results of daily observations in the disposal area for any overflow or surfacing of wastes, and/or other visible effects of the waste discharge.

V. WASTE HAULING REPORTING

In the event that waste sludge, septage, 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 the final point of disposal. In the event that no wastes are hauled during the reporting period, a statement to that effect shall be submitted.

VI. MONITORING FREQUENCIES

Specifications in this monitoring program are subject to periodic revisions. Monitoring requirements may be modified or revised by the Executive Officer based on review of monitoring data submitted pursuant to this Order. Monitoring frequencies may be adjusted to a less frequent basis or parameters and locations dropped by the Executive Officer if the Discharger makes a request and the request is backed by statistical trends of monitoring data submitted.

VII. 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, was 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 _____ at _____.

_____(Signature)

_____(Title)"

VIII. ELECTRONIC SUBMITTAL OF INFORMATION (ESI) TO GEOTRACKER

The Discharger shall comply with the Electronic Submittal of Information (ESI) requirements by submitting all reports required under the MRP, including groundwater monitoring data, discharge location data, correspondence, and pdf monitoring reports to the State Water Resources Control Board GeoTracker database under Global ID WDR100001221.

All records and reports submitted in compliance with this Order are public documents and will be made available for inspection during business hours at the office of the California Regional Water Quality Control Board, Los Angeles Region, upon request by interested parties. Only proprietary information, and only at the request of the Discharger, will be treated as confidential.

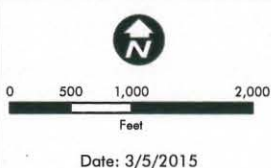
Ordered by: Samuel Unger
Samuel Unger, P.E.
Executive Officer

Date: May 15, 2015



Job Number
A349

Drawn By
rflores



FIRE CAMP 8
OWTS Refurbishment
1900 Rambla Pacifico St

Malibu

CA

Figure 1
VICINITY MAP
USGS TOPO

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) at Camp No. 11, under waste discharge requirements Order No. 71-38, adopted by this Board of 5710
2. The California Water Code Section 3263(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 and 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.

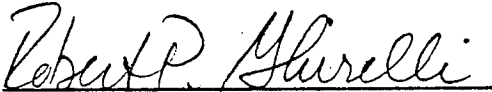
Thereafter, the Discharger must notify the Board, in writing, at least 30 days in advance of any proposed transfer of this Order's responsibility and coverage to a new Discharger. The notice must include a written agreement between the existing and new Dischargers containing a specific date for the transfer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

Los Angeles County Fire Department
Monitoring and Reporting Program 5710

Order No. 93-039

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
ROBERT P. GHIRELLI, D.Env.
Executive Officer

Date: June 14, 1993



California Regional Water Quality Control Board Los Angeles Region

320 West Fourth Street, Suite 200, Los Angeles, California 90013

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<http://www.waterboards.ca.gov/losangeles>



Linda S. Adams
Acting Secretary for
Environmental Protection

Edmund G. Brown Jr.
Governor

June 20, 2011

Reynolds Cairncross
LA Co Fire Dept
1320 N. Eastern Ave
Los Angeles, CA 90063-3294

**AMENDMENT TO MONITORING AND REPORTING PROGRAM - ELECTRONIC
SUBMITTAL OF INFORMATION TO GEOTRACKER FOR WASTE DISCHARGE
REQUIREMENTS UNDER GROUNDWATER PERMITTING PROGRAM, FIRE CAMP #11,
ACTON, 8800 W. SOLEDAD CANYON RD, ACTON (WDR ORDER NO. 93-039, CI-5710)**

The California Regional Water Quality Control Board, Los Angeles Region (Regional Board), is the public agency with primary responsibility for the protection of ground and surface water quality, including all beneficial uses within the coastal drainages of Los Angeles and Ventura Counties, including the subject facility.

You are subject to Waste Discharge Requirements (WDR) Order No. 93-039, in which the Regional Board specifies waste discharge requirements for the subject facility. Monitoring and Reporting Program (MRP) CI-5710, which is part of the WDR, is hereby amended to include the following reporting requirements effective **October 1, 2011**:

"The Discharger shall submit all reports required under this MRP, including groundwater monitoring data and discharge location data, to the State Water Resources Control Board Geotracker database, in addition to submitting hard copies to the Regional Board office. Once the Discharger demonstrates mastery of electronic submittal of reports to Geotracker for the Site, it may request that the Regional Board waive the requirement of submitting hard copies of reports."

Training on Electronic Submittal of Information (ESI) to Geotracker is scheduled for July 13, 2011 and September 26, 2011. Please see enclosed announcement dated June 20, 2011 for more detail.

If you have any questions or need additional information, please contact the Project Manager, Mr. David Koo at (213) 620 6155 or the Groundwater Permitting Unit Chief, Dr. Eric Wu, at 213-576-6683.

Sincerely,

Samuel Unger, P.E.
Executive Officer

Enclosure: June 20, 2011 ESI to Geotracker training announcement



California Regional Water Quality Control Board Los Angeles Region



Linda S. Adams
Acting Secretary for
Environmental Protection

320 West Fourth Street, Suite 200, Los Angeles, California 90013
(213) 576-6600 • Fax (213) 576-6640
<http://www.waterboards.ca.gov/losangeles>

Edmund G. Brown Jr.
Governor

June 20, 2011

To Dischargers and Interested Parties

ELECTRONIC SUBMITTAL OF INFORMATION TO GEOTRACKER FOR WASTE DISCHARGE REQUIREMENTS (WDR) UNDER GROUNDWATER PERMITTING PROGRAM (NON-CHAPTER 15 WDR)

For several years, parties responsible for cleanup of leaks from underground storage tanks and other groundwater cleanup and land disposal sites have been required to electronically submit over the internet their groundwater analytical data, the surveyed locations of monitoring wells, the PDF copies of reports and certain other data to the State Water Resources Control Board's (SWRCB) Geotracker database. The Geotracker system currently has information submitted by responsible parties for over 10,000 groundwater cleanup sites statewide.

In addition to submitting hard copies of reports to the Los Angeles Regional Water Quality Control Board (Regional Board) office, dischargers are directed to submit all reports required under the waste discharger requirements (WDR) adopted by the Regional Board, including groundwater monitoring data in Electronic Data Format, well and discharge location data, and searchable pdf reports and correspondence, to the SWRCB's Geotracker database. The electronic copy is intended to eventually replace the need for a paper copy and is expected to be relied upon for all public information requests, regulatory review, and compliance/enforcement activities. Once dischargers demonstrate mastery of electronic submittal of reports to Geotracker, dischargers may request that the Regional Board waive the requirement of submitting hard copies of reports for the Site.

For submitting data and reports, dischargers or their representatives will need to set up a Geotracker user account. Instruction to set up a Geotracker account is found at our Electronic Submittal of Information (ESI) website:

http://www.waterboards.ca.gov/ust/electronic_submittal/index.shtml

Our ESI website also contains information that will aid your transition to electronic data and reporting submittal, such as guidelines on claiming and getting access to a facility, uploading of analytical data in specified Electronic Data Format (EDF), PDF of reports, and well survey templates. For general assistance in searching or utilizing Geotracker, please contact Geotracker Help Desk at (866) 480-1028 or Geotracker@waterboards.ca.gov. For questions about using Geotracker, please contact Mr. Hamid Foolad at (916) 341-5791 or hfoolad@waterboards.ca.gov. For regulatory requirement questions, please contact the WDR project manager assigned to each WDR. A site-specific amendment to each WDR Monitoring and Reporting Program will be sent to each discharger for ESI requirements and will include project manager contact information.

California Environmental Protection Agency

ESI Implementation Schedule

The Regional Board will implement electronic submittal of information (ESI) in phases:

Phase 1: Effective July 1, 2011, all groundwater cleanup WDR dischargers are required to comply with ESI. The facilities that were issued WDRs for Underground Storage Tanks Program have been required to submit electronic formatted data since 2002. Facilities within the Site Cleanup Program and Land Disposal Program were added in 2005.

Phase 2: Effective October 1, 2011, industrial, commercial and municipal WDR dischargers, excluding 26 National Pollutant Discharge Elimination System/Water Recycling Requirements (NPDES/WRR) major dischargers (See attached Table 1) are required to comply with ESI.

Major NPDES/WRR Dischargers

Twenty-six major NPDES/WRR dischargers previously began an effort to submit electronic data in to the State Water Board's California Integrated Water Quality System (CIWQS) database. An evaluation of the facility data in CIWQS will be conducted, and at a future date NPDES/WRR dischargers may also be required to submit their groundwater data into CIWQS or Geotracker.

Training and Outreach

Two identical training and outreach sessions will be held for dischargers, consultants and the public to introduce them to the ESI requirements and its application:

Date: Wednesday, July 13, 2011 and Monday, September 26, 2011
Time: 1pm - 3pm
Location: Regional Water Quality Control Board – Los Angeles Region
320 W. 4th Street, 1st Floor Carmel Room
Los Angeles, CA 90013

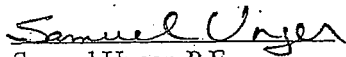
Please RSVP for the training if you plan to attend by e-mailing Ms. Rosie Villar at rvillar@waterboards.ca.gov.

In addition, once available we will post a recording of the training on our internet site at http://www.waterboards.ca.gov/losangeles/water_issues/programs/ground_water_permitting.shtml

June 20, 2011

If you have any questions or need additional information, please contact Groundwater Permitting Unit Chief, Dr. Eric Wu, at (213)576-6683 or ewu@waterboards.ca.gov or Groundwater Permitting and Land Disposal Section Chief, Dr. Rebecca Chou, at 213-576-6618 or rhou@waterboards.ca.gov.

Sincerely,



Samuel Unger, P.E.
Executive Officer

Enclosure: Table 1 – 26 Major NPDES/WRR Dischargers List



Table 1 - 26 Major NPDES/WRR Dischargers List

Primary_Discharger	Facility_Name	Order_Number	CI_Number
Burbank City Department of Public Work (DPW)	Burbank Waste Water Reclamation Plant (WWRP)	91-101	6753
Camarillo Sanitary District	Camarillo Water Reclamation Plant (WRP)	87-132	6187
Camrosa Water District	Camrosa WWRP	95-059	0821
City of San Buenaventura	Ventura WWRP	87-045	6190
County of Ventura Special Districts	Moorpark Waste Water Treatment Plant (WWTP)	R4-2002-0028	8371
District of Southern California	Alamitos Barrier Recycled Water Project	R4-2005-0061	8956
Las Virgenes Municipal Water District (MWD)	Rancho Las Virgenes Farm	79-107	6438
Las Virgenes MWD	Tapia WRF	97-072	6189
Los Angeles City Bureau of Sanitation, Water Reclamation Division	Tillman WWRP	R4-2007-0008	6185
Los Angeles City DWP	Harbor Water Recycling Project	R4-2003-0025	8537
Los Angeles City DWP	HWRP Barrier Project	R4-2003-0134	8654
Los Angeles County DPW	Malibu Mesa WWRP	00-167	5689
Los Angeles County Sanitation Districts (LACSD)	Long Beach WWRP	97-072	6184
LACSD	Los Coyotes WWRP	97-072	6182
LACSD	Montebello Forebay Groundwater Recharge	91-100	5728
LACSD	Pomona WRP	97-072	6241
LACSD	San Jose Creek WRP	97-072	6372
LACSD	Saugus WRP	97-072	6188
LACSD	Valencia Water Reclamation Plant	97-072	6186
LACSD	Whittier Narrows Water Reclamation Plant, El Monte	97-072	6844
Oxnard City	Oxnard WWTP	R4-2008-0083	9456
Simi Valley City	Simi Valley WWRP	87-046	6408
US Navy Southwest Division	San Clemente Island WWTP	R4-2004-0057	8734
Ventura City	Ventura WRF	87-045	6190
West Basin MWD	Edward C. Little Water Recycling Facility	01-043	7453
West Basin MWD	Edward C. Little Water Recycling Facility	R4-2006-0069	7485



EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIGUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

Los Angeles Regional Water Quality Control Board

June 22, 2015

Mr. Al Tizani
Chief Executive Office
County of Los Angeles
500 West Temple Street
Los Angeles, California 90012

Certified Mail
Return Receipt Requested
Claim No. 7010 3090 0002 1022 2261

WASTE DISCHARGE REQUIREMENTS, REVISED MONITORING AND REPORTING PROGRAM, AND CEASE AND DESIST ORDER FOR FORESTER AND FIRE WARDEN CAMP 13 WASTEWATER TREATMENT PLANT, 1250 SOUTH ENCINAL CANYON ROAD, MALIBU, CALIFORNIA (FILE NO. 61-108, ORDER NOS. R4-2015-0121 AND R4-2015-0122, CI-3138, GLOBAL ID WDR100001048)

Dear Mr. Tizani,

Our letter of April 17, 2015, transmitted tentative Waste Discharge Requirements (WDRs), a tentative revised Monitoring and Reporting Program (MRP), and a tentative Cease and Desist Order (CDO) for Fire Warden Camp 13 Wastewater Treatment Plant.

Pursuant to Division 7 of the California Water Code, the California Regional Water Quality Control Board, Los Angeles Region (Regional Board) at a public meeting held on June 10, 2015, reviewed the tentative WDRs, the tentative revised MRP, and the tentative CDO, considered all factors in the case, and adopted WDRs Order No. R4-2015-0121, revised MRP No. CI-3138, and CDO No. R4-2015-0122 (copies enclosed) relative to this discharge. The adopted WDRs, revised MRP, and CDO will be posted on the Regional Board's website at:

http://www.waterboards.ca.gov/losangeles/board_decisions/adopted_orders/

Los Angeles County Fire Department and Los Angeles County Internal Services Department shall comply with the Electronic Submittal of Information (ESI) requirements by submitting all reports required under the WDRs, revised MRP, and CDO, including groundwater monitoring data, discharge location data, and searchable Portable Document Format of monitoring reports to the State Water Resources Control Board GeoTracker database under Global ID WDR100001048.

CHARLES STRINGER, CHAIR | SAMUEL UNGER, EXECUTIVE OFFICER

320 West 4th St., Suite 200, Los Angeles, CA 90013 | www.waterboards.ca.gov/losangeles

If you have any questions, please contact the Project Manager, Dr. Ann Chang at (213) 620-6122 (ann.chang@waterboards.ca.gov), or me at (213) 576-6683 (eric.wu@waterboards.ca.gov).

Sincerely,



Eric Wu, Ph.D., P.E.
Chief of Groundwater Permitting Unit

Enclosures:

1. Waste Discharge Requirements Order No. R4-2015-0121
2. Standard Provisions Applicable to Waste Discharge Requirements
3. Revised Monitoring and Reporting Program No. CI-3138
4. Cease and Desist Order No. R4-2015-0122

cc: Mr. Craig George, Deputy Building Official, City of Malibu
Mr. Jon Rohrer, Roux Associates, Inc.

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

320 West 4th Street, Suite 200, Los Angeles, California 90013
(213) 576-6660 • Fax (213) 576-6640
<http://www.waterboards.ca.gov/losangeles/>

**ORDER NO. R4-2015-0121
(FILE NO. 61-108)
CI-3138**

**WASTE DISCHARGE REQUIREMENTS
FOR
LOS ANGELES COUNTY FIRE DEPARTMENT AND
LOS ANGELES COUNTY INTERNAL SERVICES DEPARTMENT
FORESTER AND FIRE WARDEN CAMP 13 WASTEWATER TREATMENT PLANT**

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

PURPOSE OF ORDER

1. Los Angeles County Fire Department and Los Angeles County Internal Services Department (hereinafter Dischargers) are subject to Waste Discharge Requirements (WDRs) contained in Regional Board Order No. 00-110 and monitoring and reporting program (MRP) No. CI-3138, adopted on July 27, 2000.
2. California Water Code (CWC) section 13263(e) provides that all waste discharge requirements shall be reviewed periodically and, upon such review, may be revised by the Regional Board. Following a review of requirements in Regional Board Order No. 00-110 and an inspection of the subject site on March 17, 2015, requirements have been revised to include additional findings, effluent limitations, groundwater limitations, updated standard provisions, and a revised monitoring and reporting program.

BACKGROUND

3. Los Angeles County Fire Department (LACoFD) owns and maintains Forester and Fire Warden Camp 13 (Camp 13) located at 1250 South Encinal Canyon Road, Malibu, California (Figure 1). Camp 13 is operated as a low security female detention camp with kitchen, restroom, shower, and laundry facilities and overnight accommodations. It can house up to a population of 120 persons including 110 inmates and 10 staff.
4. Inmates at Camp 13 provide firefighting services for the surrounding area, including clearing bushes all year round and other community oriented projects under the supervision of California Department of Corrections and Rehabilitation (CDCR). LACoFD has a partnership with CDCR, which allows for the transfer of inmates from CDCR to LACoFD during normal business hours for firefighting purposes.
5. Los Angeles County Internal Services Department (ISD) operates Camp 13 wastewater treatment plant (Camp 13 WWTP). Camp 13 WWTP treats domestic wastewater generated at Camp 13 and the treated effluent is disposed through seven evaporation/percolation ponds to groundwater.

June 10, 2015

6. Camp 13 WWTP was originally constructed in the 1950's. In 2000, upon the issuance of WDR Order No. 00-110, Camp 13 WWTP needed a major rehabilitation and upgrade to continue operation in order to comply with the requirements contained in the WDR Order No. 00-110. Therefore, the Regional Board issued a Time Schedule Order (TSO) No. 00-111 associated with WDRs to allow the Dischargers to complete the upgrade and come into compliance with the WDRs within a time frame specified in the TSO.
7. The TSO required the Dischargers to complete construction by June 1, 2001 and achieve full compliance with all the requirements in Order No. 00-110 by July 1, 2001. In addition, TSO No. 00-111 directed the Dischargers to submit a workplan for groundwater monitoring and surface water monitoring by December 15, 2000.
8. The Dischargers submitted *Fire Camp 13 Wastewater Treatment Plant Upgrade Predesign Report Final* dated November 2001 to propose the following:
 - The replacement of the deteriorated headworks structure
 - The replacement of the deteriorated influent pumps
 - The rehabilitation of the deteriorated equalization tank
 - The installation of a new dual-train package plant with secondary clarifiers
 - The replacement of the deteriorated air piping
 - The conversion of the deteriorated aeration tank to an aerated sludge holding tank
 - The installation of new effluent pumps
 - The construction of a new chlorine contact tank
 - The installation of chlorine metering equipment
 - The installation of new piping to reroute influent wastewater flows from the Fire Station Buildings to the upgraded Camp 13 WWTP
9. The upgrade to Camp 13 WWTP was completed in October 2004. The current Camp 13 WWTP has a design capacity for an average flow of 12,000 gallons per day (gpd) and a peak flow of 24,000 gpd.
10. Camp 13 is located in an unsewered area of Los Angeles County. To date, no public sewers have been scheduled for construction in the vicinity of the project.
11. Las Virgenes Municipal Water District provides potable water supply to Camp 13.

FACILITY AND TREATMENT PROCESS DESCRIPTION

12. The current Camp 13 WWTP consists of headworks, a flow equalization tank, a dual-train package plant with secondary clarifiers, tertiary filter chambers, a chlorine contact tank, and an effluent holding tank. The processes include biological treatment followed by filtration and disinfection.

13. The headworks consist of a Parshall flume, a comminutor, and a bypass channel with a manual bar screen. The Parshall flume provides a reliable influent flow measurement. The comminutor prevents clogging of downstream equipment while the bypass channel with the bar screen is in place in the event that the comminutor requires maintenance or becomes clogged.
14. The package plant consists of anoxic tanks, aeration tanks and secondary clarifiers. Wastewater is pumped to the package plant for biological treatment including the reduction of biological oxygen demand (BOD) combined with the oxidation of organic and ammonia nitrogen within the aeration basin and the subsequent reduction of nitrate to nitrogen gas within the anoxic basin. The suspended solids are removed in the secondary clarifiers. During April 14, 2015 meeting, ISD staff confirmed that the anoxic tanks have never been operated for denitrification.
15. The secondary treated effluent flows through dual media (anthracite and sand) cells that serve as the tertiary filter system to further remove suspended solids.
16. The filtered effluent is pumped to the chlorine contact tank for disinfection using chlorine tablet feeders, although installation of chlorine metering equipment was proposed in the *Fire Camp 13 Wastewater Treatment Plant Upgrade Predesign Report Final* dated November 2001.
17. Following disinfection, the treated wastewater flows to the effluent holding tank and then is pumped up to discharge into seven evaporation/percolation ponds located approximately 500 to 1,000 feet east and uphill of Camp 13 WWTP. The seven ponds are roughly rectangular or triangular in shape, each being about 20 feet by 50 feet in size, arranged in a linear fashion. The topography at and immediately surrounding the seven evaporation/percolation ponds indicate that these ponds were created by cutting into the south facing hillside of Conejo volcanic bedrock, excavating each pond to a depth of approximately 5 feet.
18. Sludge generated from Camp 13 WWTP is stored in a sludge holding tank and then it is hauled to the Sanitation Districts of Los Angeles County, Pomona Water Works Reclamation Plant where the sludge is processed and treated for final disposal.
19. From 2011 to 2014, Camp 13 WWTP discharged an average of 10,566 gpd with a peak flow of 18,730 gpd of domestic wastewater from Camp 13.

SITE-SPECIFIC CONDITIONS

20. Camp 13 WWTP and seven evaporation/percolation ponds are located at the headwaters of Trancas Canyon Creek with approximately 34°05'00.24" north latitude and 118°51'56.98" west longitude. The Trancas Canyon is a north-south trending, narrow, deeply incised valley on the southern slopes of the Santa Monica Mountains (Figure 2).

21. Camp 13 WWTP and the seven evaporation/percolation ponds are located in the Trancas Canyon Hydrologic Subarea. Trancas Canyon Creek is located approximately 500 feet down-slope southerly from seven evaporation/percolation ponds. Runoff from the canyon is collected in Trancas Canyon Creek and flows into the Pacific Ocean.
22. The area in and immediately surrounding Camp 13 is dominated by Mesozoic age volcanic rock associated with the Conejo formation. Mixtures of older alluvium and colluvial deposits derived from erosion of the volcanic rock as well as artificial fill are randomly present in the flatter areas of Camp 13.
23. The volcanic bedrock is well-exposed in road cuts along Encinal Canyon Road and in the surrounding generally very steeply sloping hillsides. The bedrock units are extrusive mixtures of basalt, which are generally massive, very hard, and erosionally resistant.
24. Earth materials that underlie the seven evaporation/percolation ponds consist of mixtures of artificial fill (composed of volcanic basalt), weathered volcanic rock, and hard and consolidated volcanic bedrock.
25. In November 2003, three groundwater monitoring wells were installed to evaluate impacts from wastewater discharges through seven evaporation/percolation ponds. In 2011 through 2014, groundwater was encountered at 6 to 20 feet below ground surface (bgs) in the vicinity of seven evaporation/percolation ponds. Groundwater monitoring wells MW-1 and MW-2 are located approximately 750 feet and 500 feet west from the disposal area. Groundwater monitoring well MW-3 is located approximately 10 to 15 feet south of evaporation/percolation pond No. 2 (Figure 3).
26. Based on one boring log of groundwater monitoring well MW-3, soil lithology in the vicinity of evaporation/percolation ponds consists of 70% fine to coarse graind sand and 30% weathered basalt fragment gravel from ground surface to 10 feet bgs.
27. There are no potable water supply wells located within one mile radius of Camp 13 WWTP and seven evaporation/percolation ponds.

COMPLIANCE HISTORY

The compliance history of Forester and Fire Warden Camp 13 wastewater treatment plant is summarized as follows:

28. The Regional Board issued TSO No. 00-111 upon adopting WDRs Order No. 00-110 to allow the Dischargers to come into compliance with the WDRs within a time frame specified in the TSO. The TSO required the Dischargers to complete construction by June 1, 2001 and achieve full compliance with all the requirements in Order No. 00-110 by July 1, 2001. In addition, TSO No. 00-111 directed the Dischargers to submit a workplan for groundwater monitoring and surface water monitoring by December 15, 2000.
29. On November 14, 2001, the Dischargers submitted the *Groundwater and Surface Water Monitoring Program Workplan* for Regional Board review and approval.

30. On April 8, 2002, the Dischargers requested an extension to TSO No. 00-111 due to delays in obtaining a construction contract award and all required jurisdictional approvals from agencies, including California Coastal Commission, Department of Regional Planning, and Building and Safety. The upgrade to Camp 13 WWTP was completed in October 2004.
31. Between November 2000 and October 2004, there were 22 biological oxygen demand (BOD₅) exceedances, two total suspended solids (TSS) exceedances, 27 turbidity exceedances, and 16 fecal coliform exceedances. After the upgrade to Camp 13 WWTP was completed in October 2004, the effluent continued to have 16 BOD₅ exceedances until June 2006, five TSS exceedances and three turbidity exceedances until August 2008. There were no effluent limit violations in 2009, 2011, 2012, and 2013. There was one turbidity exceedance and one oil and grease exceedance in 2010, and one turbidity exceedance observed in 2014.
32. On March 9, 2010, the Regional Board issued a Notice of Violation (NOV) for the following violations during the period from the third quarter 2000 to the fourth quarter 2009:
 - violation of effluent limit for BOD₅, TSS, turbidity, and fecal coliform;
 - failure to submit monitoring reports in a timely manner;
 - failure to submit groundwater monitoring data from the 1st Quarter 2004 to the 4th Quarter 2009;
 - failure to submit surface water monitoring data from the 1st Quarter 2004 to the 4th Quarter 2009; and
 - failure to submit operation and maintenance reports per the monitoring and Reporting program, including the name and address of the person or company responsible for operation and maintenance of the facility, and type and frequency.
33. Based on groundwater monitoring data from 2011 to 2014, groundwater was impacted with total coliform up to 140 most probable number per 100 milliliters (MPN/100mL), 1,600 MPN/100mL, and 1,600 MPN/100mL at monitoring wells MW-1, MW-2, and MW-3, respectively. Fecal coliform was detected up to 23 MPN/100mL, 1,600 MPN/100mL, and 1,600 MPN/100mL at monitoring wells MW-1, MW-2, and MW-3, respectively.
34. The groundwater monitoring data indicated groundwater containing total coliform and fecal coliform has exceeded groundwater quality objectives for total coliform of 1.1 MPN/100mL and fecal coliform of 1.1 MPN/100mL as specified in the Basin Plan.
35. On March 17, 2015, Regional Board staff conducted a site inspection and collected wastewater samples from the chlorine contact tank, the effluent holding tank, and evaporation/percolation pond No. 2. Effluent samples collected during site inspection indicated that total coliform was detected less than 2.0 MPN/100 mL at all three locations.

36. On March 27, 2015, ISD conducted effluent sampling and collected wastewater samples from the chlorine contact tank and the effluent holding tank. Although total coliform and fecal coliform were detected less than 2.0 MPN/100 mL at the chlorine contact tank, total coliform and fecal coliform at the effluent holding tank were detected at 1,600 MPN/100mL and 30 MPN/100mL, respectively.
37. The October 2014 effluent sampling results indicated that nitrate-nitrogen was detected at 19 milligrams per liter (mg/L). Effluent samples collected on March 17, 2015 indicated that nitrate-nitrogen was detected at 35 mg/L and 33 mg/L at the effluent holding tank and evaporation/percolation pond No. 2, respectively.
38. Groundwater samples collected at monitoring well MW-3 in December 2014 indicated that nitrate-nitrogen was detected at 29 mg/L exceeding groundwater quality objectives for nitrate-nitrogen of 10 mg/L as specified in the Basin Plan.
39. On April 13, 2015, ISD submitted the *Technical Data Collection in Response to February 9, 2015 RWQCB Notice of Violation* (Letter). The letter suggested the detections of total coliform and fecal coliform in groundwater samples from monitoring wells may represent residual issues from cross-contamination. Also, past coliform observations in samples from groundwater monitoring well MW-3 may also be related to the percolation of treated effluent through the surface soil of the percolation ponds.
40. On May 18, 2015, ISD submitted the *Technical Memorandum* (TM) to present information of new upgrades to Camp 13 WWTP and new details of geological/hydrogeological conditions in the vicinity of Camp 13 WWTP and evaporation/percolation ponds. The new upgrades included activating the anoxic tank for denitrification purpose, replacing the disinfection mechanism using liquid chlorination, and installing new tertiary filter media. In addition, the TM suggested that samples from MW-3 are not representative of receiving groundwater, but instead represent temporary saturated conditions created by the percolation of treated effluent.

APPLICABLE PLANS, POLICIES AND REGULATIONS

41. ***Water Quality Control Plan for the Coastal Watersheds of Los Angeles and Ventura Counties (Basin Plan)*** – On June 13, 1994, the Regional Board adopted a revised Basin Plan. The Basin Plan (i) designates beneficial uses for surface and groundwater, (ii) establishes narrative and numeric water quality objectives that must be attained or maintained to protect the designated beneficial uses, and (iii) sets forth implementation programs to protect the beneficial uses of the waters of the state. The Basin Plan also incorporates State Water Resources Control Board (State Board) Resolution 68-16. In addition, the Basin Plan incorporates by reference applicable State and Regional Board plans and policies and other pertinent water quality policies and regulations. The Regional Board prepared the 1994 update of the Basin Plan to be consistent with previously adopted State and Regional Board plans and policies. This Order implements the plans, policies and provisions of the Regional Board's Basin Plan. The Basin Plan has been amended occasionally since 1994.

42. Camp 13 WWTP and seven evaporation/percolation ponds are located in the Trancas Canyon Hydrologic Subarea and overlie the Point Dume Hydrologic Area of the Santa Monica Mountains-southern slopes. The Basin Plan has the following beneficial use designations:

Surface water (Trancas Canyon Creek – LA County Coastal Streams)

Existing: Municipal and Domestic Supply; Water Contact Recreation (REC-1); Non-contact Water Recreation (REC-2); Warm Freshwater Habitat; Wildlife Habitat; Rare, Threatened, or Endangered Species

Groundwater (Point Dume Hydrologic Area – Trancas Canyon Hydrologic Subarea)

Existing: Municipal and Domestic Supply and Agricultural Supply

Potential: Industrial Service Supply

43. To protect groundwater as drinking water sources, the Basin Plan (Chapter 3) incorporates primary and secondary maximum contaminants levels (MCLs) for inorganic, organic, and radioactive contaminants in drinking water that are codified in Title 22 California Code of Regulations, Division 1 (CCR Title 22). This incorporation by reference is prospective, including future changes to the incorporated provisions as the changes take effect. The CCR Title 22 primary MCLs are applicable water quality objectives for a receiving water to protect beneficial uses when that receiving water is designated as municipal and domestic supply. Also, the Basin Plan specifies that "Ground waters shall not contain taste or odor-producing substances in concentrations that cause nuisance or adversely affect beneficial uses." Therefore the CCR Title 22 secondary MCLs, which are limits based on aesthetic, organoleptic standards, are applicable water quality objectives for a receiving water to protect beneficial uses when that receiving water is designated as municipal and domestic supply. These water quality objectives are implemented in this Order to protect groundwater quality.
44. **California Human Right to Drinking Water Act** is the policy of the State of California that every human being has the right to safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes. This Order promotes that policy by requiring discharges to meet MCLs for protection of human health and ensure that water is safe for domestic use.
45. **State Water Board Resolution No. 68-16** ("Statement of Policy with Respect to Maintaining High Quality Waters in California", also called the "Antidegradation Policy") requires the Regional Board, in regulating the discharge of waste, to maintain high quality waters of the state until it is demonstrated that any change in quality will be consistent with maximum benefit to the people of the State, will not unreasonably affect beneficial uses, and will not result in water quality less than that described in the State Water Board's policies (e.g., quality that exceeds water quality objectives). The Regional Board finds that the discharge, as allowed in these WDRs, is consistent with Resolution No. 68-16 since this Order (1) requires compliance with the requirements sets forth in this Order, including the use of best practicable treatment and control of the discharges, (2) requires implementation of Monitoring Reporting Program (MRP); and (3) requires discharges to be treated to comply with water quality objectives.

46. This Order establishes limitations that will not unreasonably threaten present and anticipated beneficial uses or result in receiving water quality that exceeds water quality objectives set forth in the Basin Plan. This means that where the stringency of the limitations for the same waste constituent differs according to beneficial use, the most stringent applies as the governing limitation for that waste constituent. This Order contains tasks for assuring that best practicable treatment or control (BPTC) and the highest water quality consistent with the maximum benefit to the people of the State will be achieved. Accordingly, the discharge is consistent with the antidegradation provisions of Resolution 68-16. Based on the results of the scheduled tasks, the Regional Board may reopen this Order to reconsider groundwater limitations and other requirements to comply with Resolution 68-16.
47. Pursuant to CWC section 13263(g), the discharge of waste is a privilege, not a right, and adoption of this Order does not create a vested right to continue the discharge.
48. Section 13267(b) of the CWC states, in part, that "In conducting an investigation specified in subdivision (a), the regional board may require that any person who has discharged, discharges, or is suspected of having discharged or discharging or who proposes to discharge within its region, or any citizen or domiciliary, or political agency or entity of this state who has discharged, discharges, or is suspected of having discharged or discharging, or who proposes to discharge waste outside of its region that could affect the quality of waters of the state within its region shall furnish under penalty of perjury, technical or monitoring program reports which the regional board requires. The burden, including costs of these reports shall bear a reasonable relationship to the need for the reports and the benefits to be obtained from the reports. In requiring those reports, the regional board shall provide the person with a written explanation with regard to the need for the reports, and shall identify the evidence that supports requiring that person to provide the reports." The reports required by the MRP No. CI-3138 are necessary to assure compliance with these waste discharge requirements. The Dischargers operates facilities that discharge wastes subject to this Order.

CALIFORNIA ENVIRONMENTAL QUALITY ACT AND NOTIFICATION

49. This project involves the issuance of WDRs for an existing facility; as such the action to revise existing WDRs is exempt from the provisions of the California Environmental Quality Act (Public Resources Code section 21000 et seq.) in accordance with CCR, Title 14, Section 15301.
50. On April 17, 2015, the Regional Board has notified the Dischargers and interested agencies and persons of the intent to revise WDRs for this discharge, and has provided an opportunity to submit written comments by May 18, 2015.
51. The Regional Board, in a public meeting, heard and considered all comments pertaining to the discharge and to the tentative requirements.

52. Pursuant to CWC section 13320, any person affected by this action of the Regional Board may petition the State Water Board to review the action in accordance with section 13320 of the CWC and Title 23, CCR, Section 2050. The State Water Board (P.O. Box 100, Sacramento, California, 95812) must receive the petition within 30 days of the date this Order is adopted. The regulations regarding petitions may be found at http://www.waterboards.ca.gov/public_notices/petitions/water_quality/index.shtml

IT IS HEREBY ORDERED that the Dischargers, Los Angeles County Fire Department and Los Angeles County Internal Services Department, shall be responsible for and shall comply with the following requirements in all operations and activities at the Forester and Fire Warden Camp 13 Wastewater Treatment Plant:

A. INFLUENT LIMITATIONS

1. Waste discharged shall be limited to domestic and food preparation wastewater only. No industrial wastewaters shall be discharged to the wastewater treatment system.
2. No hazardous substances are to be discharged into the wastewater treatment system.

B. EFFLUENT LIMITATIONS

1. The discharge flow shall not exceed a maximum flow of 24,000 gpd.
2. The pH in the effluent shall at all times be from 6.5 to 8.5 pH units.
3. Effluent shall not contain constituents in excess of the following limits:

Constituent	Units ¹	Daily Maximum	Monthly Average ²
BOD ₅	mg/L	45	30
Total Suspended Solids	mg/L	45	30
Turbidity	mg/L	15	10
Oil and Grease	mg/L	15	10
Total Dissolved Solids	mg/L	1,000	--
Sulfate	mg/L	250	--
Chloride	mg/L	250	--
Boron	mg/L	1.0	--
Nitrate as Nitrogen	mg/L	10	--
Nitrite as Nitrogen	mg/L	1	--
Total Nitrogen ³	mg/L	10	--
Methylene Blue Active Substances (MBAS)	mg/L	0.5	--

¹mg/L=milligrams per liter ²Effluent samples shall be collected for analysis of BOD₅, total suspended solids, turbidity, and oil and grease on a monthly basis and are required to meet both daily maximum limitations and monthly average limitations.

³Total nitrogen= nitrate-N + nitrite-N + ammonia-N + organic-N

4. The median concentration of total coliform and fecal coliform measured in the disinfected effluent shall not exceed an MPN of 2.2 per 100 milliliters utilizing the bacteriological results of the last seven days for which analyses have been completed and the number of total coliform and fecal coliform shall not exceed an MPN of 23 per 100 milliliters in more than one sample in any 30 day period. No sample shall exceed an MPN of 240 total coliform and fecal coliform per 100 milliliters.
5. Effluent shall not contain inorganic chemicals in concentrations exceeding the limits specified in the CCR, Title 22, Section 64431 or subsequent revisions (Attachment A-1).
6. Radioactivity of effluent shall not exceed the limits specified in the CCR, Title 22, Sections 64442 and 64443 or subsequent revisions (Attachment A-2).

7. Effluent shall not contain organic chemicals in concentrations exceeding the limits specified in the CCR, Title 22, Section 64444 or subsequent revisions (Attachment A-3).
8. Effluent shall not contain disinfection byproducts in concentrations exceeding the limits specified in the CCR, Title 22, Section 64533 or subsequent revisions (Attachment A-4).
9. The Dischargers shall immediately start to operate the anoxic tanks in order to implement the denitrification process for nitrogen removal in order to meet effluent discharge limits for nitrate-nitrogen of 10 mg/L and total nitrogen of 10 mg/L as specified in WDR Order R4-2015-0121.

C. GROUNDWATER LIMITATIONS

1. "Receiving water" is defined as groundwater underlying Camp 13 WWTP and seven evaporation/percolation ponds.
2. The groundwater collected from the compliance monitoring well(s) shall not exceed the following limits:

Constituent	Units ¹	Maximum Limitation
Total Dissolved Solids	mg/L	1,000
Sulfate	mg/L	250
Chloride	mg/L	250
Boron	mg/L	1.0
Nitrate as Nitrogen	mg/L	10
Nitrite as Nitrogen	mg/L	1
Total Nitrogen ²	mg/L	10
Total Coliform	MPN/100mL	<1.1
Fecal Coliform	MPN/100mL	<1.1

¹mg/L=milligrams per liter; MPN/100mL = most probable number per 100 milliliters

²Total nitrogen= nitrate-N + nitrite-N + ammonia-N + organic-N

3. The Dischargers shall demonstrate that the discharge from Camp 13 WWTP does not contribute to the degradation of groundwater quality by submitting and implementing the work plan required in provision C.4 below. MW-1, MW-2, and MW-3 will be the interim compliance monitoring wells until the Executive Officer accepts the Dischargers' proposed designation of one or more new compliance well(s).

4. By **December 31, 2015**, the Dischargers shall submit a groundwater investigation work plan to assess the causes of groundwater impacts from total coliform, fecal coliform, and nitrate-nitrogen. The groundwater investigation work plan shall identify the numbers and locations of the groundwater monitoring wells to determine site-specific groundwater flow direction and gradient for the purposes of adequately assessing any impacts to the quality of the receiving groundwater around the evaporation/percolation ponds. The groundwater investigation work plan shall be prepared by a professional engineer/professional geologist in the State of California.

D. GENERAL REQUIREMENTS

1. Standby or emergency power facilities and/or sufficient capacity shall be provided for treated wastewater storage during rainfall or in the event of plant upsets or outages.
2. Adequate facilities shall be provided to protect Camp 13 wastewater treatment, treatment system devices, and wastewater collection system from damage by storm flows and runoff or runoff generated by a 100-year storm.
3. The Dischargers shall operate all systems and equipment to maximize treatment of wastewater and optimize the quality of the discharge.
4. A minimum of two feet of freeboard shall be maintained in the evaporation/percolation ponds at all time to ensure that direct rainfall will not cause overtopping.
5. Sludge and other solids removed from wastewater shall be disposed of in a manner that is consistent with Title 27, Division 2, Subdivision 1 of the CCR.
6. Sludge and other solids shall be removed from wastewater treatment equipment, sumps, pits, etc. as needed to ensure optimal plant operation and adequate hydraulic capacity. Drying operations shall take place such that leachate does not impact the quality of groundwater or surface water.
7. Storage and disposal of domestic wastewater shall comply with existing Federal, State, and local laws and regulations, including permitting requirements and technical standards.
8. Any proposed change in solids use or disposal practice from a previously approved practice shall be reported to the Executive Officer at least 60 days in advance of the change, and shall be approved by the Executive Officer prior to implementing the change.
9. Dischargers are directed to submit all reports required by the WDRs, including all analytical data and discharge location data, to the State Water Resources Control Board GeoTracker database under Global ID WDR100001048.

E. PROHIBITIONS

1. The direct or indirect discharge of any waste and/or wastewater to surface waters or surface water drainage courses is prohibited.
2. Discharge of waste classified as 'hazardous', as defined in Section 2521(a) of Title 23, CCR, Section 2510 et seq., is prohibited. Discharge of waste classified as 'designated,' as defined in CWC section 13173, in a manner that causes violation of groundwater limitations, is prohibited.
3. Wastes shall not be disposed of in geologically unstable areas or so as to cause earth movement.
4. Wastes discharged shall not impart tastes, odors, color, foaming or other objectionable characteristics to the receiving water.
5. There shall be no onsite permanent disposal of sludge. Sludge-drying activities are allowed, but only as an intermediate treatment prior to off-site disposal. Any offsite disposal of wastewater 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 or comparable regulatory entity, and which is in full compliance therewith. Any wastewater or sludge handling shall be in such a manner as to prevent its reaching surface waters or watercourses.
6. Odors originating at this facility shall not be perceivable beyond the limits of the property owned by the Dischargers.
7. Wastes discharged from the wastewater treatment plant shall at no time contain any substances in concentrations toxic to human, animal, plant, or aquatic life.
8. The discharge of waste shall not create a condition of pollution, contamination, or nuisance. No new connections may be made without notification to the Regional Board.
9. The evaporation/percolation ponds shall not contain floating materials, including solids, foams or scum in concentrations that cause nuisance, adversely affect beneficial uses, or serve as a substrate for undesirable bacterial or algae growth or insect vectors.
10. Bypass (the intentional diversion of waste stream from any portion of a treatment facility) is prohibited. The Regional Board may take enforcement action against the Dischargers 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 cause them to become inoperable, or substantial and permanent loss 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 engineering judgment to prevent a bypass that could occur during normal periods of equipment downtime or preventive maintenance; and
 - c. The Dischargers submitted a notice at least 48 hours in advance of the need for a bypass to the Regional Board.
11. Any discharge of wastewater from the treatment system (including the wastewater collection system) at any point other than specifically described in this Order is prohibited and constitutes a violation of this Order.

F. PROVISIONS

- 1. A copy of this Order shall be maintained at the wastewater treatment plant so as to be available at all times to operating personnel.
- 2. The Dischargers shall file with the Regional Board technical reports on self-monitoring work performed according to the detailed specifications contained in Monitoring and Reporting Program No. CI-3138 attached hereto and incorporated herein by reference, 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. The Dischargers shall comply with all of the provisions and requirements of the Monitoring and Reporting Program.
- 3. The Dischargers shall comply with all applicable requirements of Chapter 4.5 (commencing with section 13290) of Division 7 of the CWC.
- 4. Monitoring and Reporting Program CI No. 3138 contains requirements, among others, a groundwater monitoring program for Camp 13 WWTP so that the groundwater downgradient and upgradient from the discharge/disposal area can be measured, sampled, and analyzed to determine if discharges from the disposal system are impacting water quality.
- 5. The Dischargers shall monitor the background of the receiving groundwater quality as it relates to its effluent discharges. Should the constituent concentrations in any downgradient monitoring well exceed the receiving water quality objectives in the Basin Plan and the increase in constituents is attributable to the Dischargers' effluent disposal practices, the Dischargers must develop a source control plan including a detailed source identification and pollution minimization plan, together with the time schedule of implementation, and must be submitted within 90 days of recording the exceedance.

6. Should effluent monitoring data indicate possible degradation of groundwater attributable to Dischargers' effluent, the Dischargers shall submit, within 90 days after discovery 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 discharge(s).
7. Wastewater treatment and discharge at the discharge/disposal area shall not cause pollution or nuisance as defined in CWC section 13050.
8. In accordance with CWC section 13260(c), the Dischargers shall file a report of any material change or proposed change in the character, location, or volume of the discharge.
9. The Dischargers shall operate and maintain its wastewater collection, treatment and disposal facilities in a manner to ensure that all facilities are adequately staffed, supervised, financed, operated, maintained, repaired, and upgraded as necessary, to provide adequate and reliable transport, treatment, and disposal of all wastewater from both existing and planned future wastewater sources under the Dischargers' responsibilities. Anyone employed in the operation of the wastewater treatment plant must be certified pursuant to CWC sections 13625-13633.
10. By **August 31, 2015**, the Dischargers shall submit to the Regional Board an Operations and Maintenance Manual (O & M Manual) for Camp 13 WWTP and seven evaporation/percolation ponds. The Dischargers shall maintain the O & M Manual in useable condition, and available for reference and use by all applicable personnel. The Dischargers shall regularly review, and revise or update as necessary, the O & M Manual(s) in order for the document(s) to remain useful and relevant to current equipment and operation practices. Reviews shall be conducted annually, and revisions or updates shall be completed as necessary and submitted to the Regional Board for Executive Officer approval.
11. Supervisors and operators of municipal wastewater treatment plants and privately owned facilities used in the treatment or reclamation of sewage and industrial waste shall possess a wastewater treatment plant operator certificate in accordance with Title 23, CCR section 3680.
12. The Dischargers shall take all reasonable steps to minimize or prevent any discharge that has a reasonable likelihood of adversely affecting human health or the environment.
13. For any violation of requirements in this Order, the Dischargers shall notify the Regional Board within 24 hours of knowledge of the violation either by telephone or electronic mail. The notification shall be followed by a written report within one week. The Dischargers in the next monitoring report shall also confirm this information. In addition, the next monitoring report shall 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.

14. This Order does not relieve the Dischargers from the responsibility 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.
15. After notice and opportunity for a hearing, this Order may be terminated or modified for causes 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; or
 - c. A change in any condition, or the discovery of any information, that requires either a temporary or permanent reduction or elimination of the authorized discharge.
16. The Dischargers 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 Dischargers shall also furnish to the Regional Board, upon request, copies of records required to be kept by this Order.
17. This Order includes the attached *Standard Provisions Applicable to Waste Discharge Requirements* which are incorporated herein by reference. If there is any conflict between provisions stated herein and the *Standard Provisions Applicable to Waste Discharge Requirements*, the provisions stated herein will prevail.
18. The Dischargers shall allow the Regional Board, or an authorized representative upon the presentation of credentials and other documents as may be required by law, to:
 - a. Enter upon the Dischargers premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Order;
 - b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Order;
 - c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order; and
 - d. Sample or monitor at reasonable times, for the purposes of assuring compliance with this Order, or as otherwise authorized by the CWC, any substances or parameters at any locations.

19. The WDRs contained in this Order will remain in effect and may be reviewed periodically.
20. All discharges of waste into the waters of the State are privileges, not rights. In accordance with CWC section 13263(g), these requirements shall not create a vested right to continue to discharge and are subject to rescission or modification.
21. Failure to comply with this Order and MRP No. CI-3138, could subject the Dischargers to monetary civil liability pursuant to the CWC, including sections 13268 and 13350. Person's failing to furnish monitoring reports or falsifying any information provided therein is guilty of a misdemeanor.

G. TERMINATION

Regional Board Order No. 00-100 adopted by the Regional Board on July 27, 2000, is hereby terminated, except for enforcement purposes.

H. REOPENER

The Regional Board may modify, or revoke and reissue this Order at any time, and may if present or future investigations demonstrate that the discharge(s) governed by this Order will cause, have the potential to cause, or will contribute to adverse impacts on water quality and/or beneficial uses of the receiving waters or to address Dischargers' expansion or mitigation plans, TMDL or Basin Plan provisions, or compliance with Resolution 68-16.

I, Samuel Unger, 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 June 10, 2015.


Samuel Unger, P.E.
Executive Officer

Attachment A-1

**Maximum Contaminant Levels
Inorganic Chemicals
specified in Table 64431-A of Section 64431 of Title 22 of the CCR**

<i>Chemical</i>	<i>Maximum Contaminant Level, mg/L</i>
Aluminum	1.
Antimony	0.006
Arsenic	0.010
Asbestos	7 MFL*
Barium	1.
Beryllium	0.004
Cadmium	0.005
Chromium	0.05
Cyanide	0.15
Fluoride	2.0
Hexavalent chromium	0.010
Mercury	0.002
Nickel	0.1
Nitrate (as NO ₃)	45.
Nitrate+Nitrite (sum as nitrogen)	10.
Nitrite (as nitrogen)	1.
Perchlorate	0.006
Selenium	0.05
Thallium	0.002

* MFL=million fibers per liter; MCL for fibers exceeding 10 µm in length.

Attachment A-2

**Maximum Contaminant Levels
Radionuclides
specified in Table 64442 of Section 64442 and Table 64443 of Section 64443
of Title 22 of the CCR**

<i>Radionuclide</i>	<i>Maximum Contaminant Level</i>
Radium-226	5 pCi/L (combined radium-226 & -228)
Radium-228	
Gross Alpha particle activity (excluding radon and uranium)	15 pCi/L
Uranium	20 pCi/L
Beta/photon emitters	4 millirem/year annual dose equivalent to the total body or any internal organ
Strontium-90	8 pCi/L (= 4 millirem/yr dose to bone marrow)
Tritium	20,000 pCi/L (= 4 millirem/yr dose to total body)

Attachment A-3

**Maximum Contaminant Levels
Organic Chemicals
specified in Table 64444-A of Section 64444 of Title 22 of the CCR**

<i>Chemical</i>	<i>Maximum Contaminant Level, mg/L</i>
(a)Volatile Organic Chemicals (VOCs)	
Benzene	0.001
Carbon Tetrachloride (CTC)	0.0005
1,2-Dichlorobenzene	0.6
1,4-Dichlorobenzene	0.005
1,1-Dichloroethane	0.005
1,2-Dichloroethane (1,2-DCA)	0.0005
1,1-Dichloroethene (1,1-DCE)	0.006
Cis-1,2-Dichloroethylene	0.006
Trans-1,2-Dichloroethylene	0.01
Dichloromethane	0.005
1,2-Dichloropropane	0.005
1,3-Dichloropropane	0.0005
Ethylbenzene	0.3
Methyl-tert-butyl-ether	0.013
Monochlorobenzene	0.07
Styrene	0.1
1,1,2,2-Tetrachloroethane	0.001
Tetrachloroethylene (PCE)	0.005
Toluene	0.15
1,2,4-Trichlorobenzene	0.005
1,1,1-Trichloroethane	0.200
1,1,2-Trichloroethane -	0.005
Trichloroethylene (TOE)	0.005
Trichlorofluoromethane	0.15
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.2
Vinyl Chloride	0.0005
Xylenes (m,p)	1.750

Attachment A-3 (continued)

**Maximum Contaminant Levels
Organic Chemicals
specified in Table 64444-A of Section 64444 of Title 22 of the CCR**

<i>Chemical</i>	<i>Maximum Contaminant Level, mg/L</i>
(b) Non-Volatile Synthetic Organic Chemicals	
Alachlor	0.002
Atrazine	0.001
Bentazon	0.018
Benzo(a)pyrene	0.0002
Carbofuran	0.018
Chloradane	0.0001
2,4-D	0.07
Dalapon	0.2
1,2-Dibromo-3-chloropropane	0.0002
Di(2-ethylhexyl)adipate	0.4
Di(2-ethylhexyl)phthalate	0.004
Dinoseb	0.007
Diquat	0.02
Endothall	0.1
Endrin	0.002
Ethylene Dibromide (EDB)	0.00005
Glyphosate	0.7
Heptachlor	0.00001
Heptachlor Epoxie	0.00001
Hexachlorobenzene	0.001
Hexachlorocyclopentadiene	0.05
Lindane	0.0002
Methoxychlor	0.03
Molinate	0.02
Oxamyl	0.05
Pentachlorophenol	0.001
Picloram	0.5
Polychlorinated Biphenyls	0.0005
Simazine	0.004
Thiobencarb	0.07
Toxaphene	0.003
2,3,7,8-TCDD (Dioxin)	3×10^{-8}
2,4,5-TP (Silvex)	0.05

*MCL is for either a single isomer or the sum of the isomers.

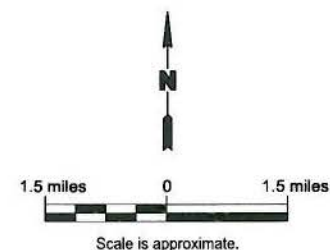
Attachment A-4

**Maximum Contaminant Levels
Disinfection Byproducts
specified in Table 64533-A of Section 64533 of Title 22 of the CCR**

Disinfection Byproducts	<i>Maximum Contaminant Level, mg/L</i>
Total Trihalomethanes (TTHM)	0.080
Bromodichloromethane	
Bromoform	
Chloroform	
Dibromochloromethane	
Haloacetic acid (five) (HAA5)	0.060
Monochloroacetic Acid	
Dichloroacetic Acid	
Trichloroacetic Acid	
Monobromoacetic Acid	
Dibromoacetic Acid	
Bromate	0.010
Chlorite	1.0



SOURCE: Los Angeles County Department of Regional Planning, GIS Section, GIS-NET3.



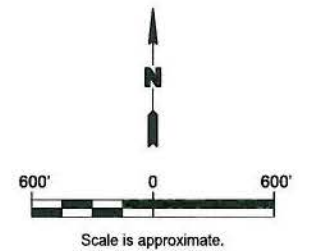
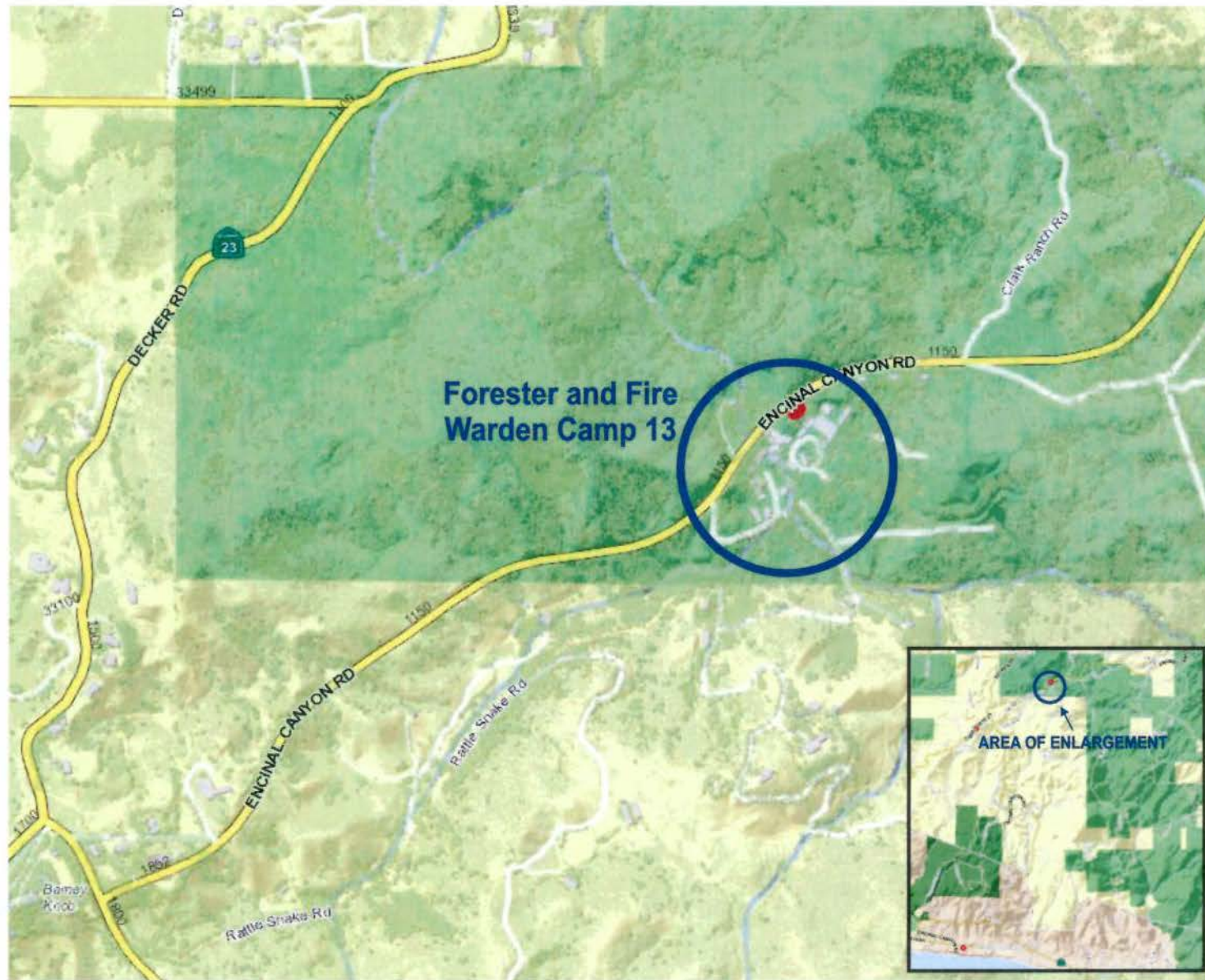
SITE VICINITY MAP

Forester and Fire Warden Camp 13
1250 Encinal Canyon Road, Malibu CA 90265

FIGURE

1

SOURCE: Los Angeles County Department of
Regional Planning, GIS Section, GIS-NET3.



**PROJECT
LOCATION
MAP**

Forester and Fire Warden Camp 13
1250 Encinal Canyon Road, Malibu CA 90265




FIGURE
2

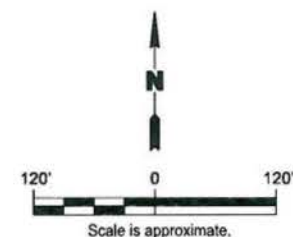


SOURCE: Los Angeles County Department of Regional Planning, GIS Section, GIS-NET3.

- Aerial photograph date 2011.
- Pond locations are approximate, pending GPS field surveying.
- Groundwater monitoring wells and surface water sampling points located with GPS.

LEGEND

-  Approximate aerial extent of percolation ponds
- Pond-1** Percolation pond designation
-  Groundwater monitoring well location
-  Surface water sampling location



**CAMP 13
WASTEWATER TREATMENT PLANT,
GROUNDWATER MONITORING WELL,
SURFACE WATER SAMPLING, AND
PERCOLATION POND LOCATIONS**

Forester and Fire Warden Camp 13
1250 Encinal Canyon Road, Malibu CA 90265

FIGURE
3

STANDARD PROVISIONS
APPLICABLE TO WASTE DISCHARGE REQUIREMENTS

1. DUTY TO COMPLY

The discharger must comply with all conditions of these waste discharge requirements. A responsible party has been designated in the Order for this project, and is legally bound to maintain the monitoring program and permit. Violations may result in enforcement actions, including Regional Board orders or court orders requiring corrective action or imposing civil monetary liability, or in modification or revocation of these waste discharge requirements by the Regional Board. [CWC Section 13261, 13263, 13265, 13268, 13300, 13301, 13304, 13340, 13350]

2. GENERAL PROHIBITION

Neither the treatment nor the discharge of waste shall create a pollution, contamination or nuisance, as defined by Section 13050 of the California Water Code (CWC). [H&SC Section 5411, CWC Section 13263]

3. AVAILABILITY

A copy of these waste discharge requirements shall be maintained at the discharge facility and be available at all times to operating personnel. [CWC Section 13263]

4. CHANGE IN OWNERSHIP

The discharger must notify the Executive Officer, in writing at least 30 days in advance of any proposed transfer of this Order's responsibility and coverage to a new discharger containing a specific date for the transfer of this Order's responsibility and coverage between the current discharger and the new discharger. This agreement shall include an acknowledgement that the existing discharger is liable for violations up to the transfer date and that the new discharger is liable from the transfer date on. [CWC Sections 13267 and 13263]

5. CHANGE IN DISCHARGE

In the event of a material change in the character, location, or volume of a discharge, the discharger shall file with this Regional Board a new Report of Waste Discharge. [CWC Section 13260(c)]. A material change includes, but is not limited to, the following:

- (a) Addition of a major industrial waste discharge to a discharge of essentially domestic sewage, or the addition of a new process or product by an industrial facility resulting in a change in the character of the Waste.

June 10, 2015
WDR

Standard Provisions Applicable to Waste Discharge Requirements

- (b) Significant change in disposal method, e.g., change from a land disposal to a direct discharge to water, or change in the method of treatment which would significantly alter the characteristics of the waste.
- (c) Significant change in the disposal area, e.g., moving the discharge to another drainage area, to a different water body, or to a disposal area significantly removed from the original area potentially causing different water quality or nuisance problems.
- (d) Increase in flow beyond that specified in the waste discharge requirements.
- (e) Increase in the area or depth to be used for solid waste disposal beyond that specified in the waste discharge requirements. [CCR Title 23 Section 2210]

6. REVISION

These waste discharge requirements are subject to review and revision by the Regional Board. [CCR Section 13263]

7. TERMINATION

Where the discharger becomes aware that it failed to submit any relevant facts in a Report of Waste Discharge or submitted incorrect information in a Report of Waste Discharge or in any report to the Regional Board, it shall promptly submit such facts or information. [CWC Sections 13260 and 13267]

8. VESTED RIGHTS

This Order does not convey any property rights of any sort or any exclusive privileges. The requirements prescribed herein do not authorize the commission of any act causing injury to persons or property, do not protect the discharger from his liability under Federal, State or local laws, nor do they create a vested right for the discharger to continue the waste discharge. [CWC Section 13263(g)]

9. SEVERABILITY

Provisions of these waste discharge requirements are severable. If any provisions of these requirements are found invalid, the remainder of the requirements shall not be affected. [CWC Section 921]

Standard Provisions Applicable to
Waste Discharge Requirements

10. OPERATION AND MAINTENANCE

The discharger shall, at all times, properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the discharger to achieve compliance with conditions of this Order. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls including appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this Order. [CWC Section 13263(f)]

11. HAZARDOUS RELEASES

Except for a discharge which is in compliance with these waste discharge requirements, any person who, without regard to intent or negligence, causes or permits any hazardous substance or sewage to be discharged in or on any waters of the State, or discharged or deposited where it is, or probably will be, discharged in or on any waters of the State, shall, as soon as (a) that person has knowledge of the discharge, (b) notification is possible, and (c) notification can be provided without substantially impeding cleanup or other emergency measures, immediately notify the Office of Emergency Services of the discharge in accordance with the spill reporting provision of the State toxic disaster contingency plan adopted pursuant to Article 3.7 (commencing with Section 8574.7) of Chapter 7 of Division 1 of Title 2 of the Government Code, and immediately notify the State Board or the appropriate Regional Board of the discharge. This provision does not require reporting of any discharge of less than a reportable quantity as provided for under subdivisions (f) and (g) of Section 13271 of the Water Code unless the discharger is in violation of a prohibition in the applicable Water Quality Control plan. [CWC Section 1327(a)]

12. PETROLEUM RELEASES

Except for a discharge which is in compliance with these waste discharge requirements, any person who without regard to intent or negligence, causes or permits any oil or petroleum product to be discharged in or on any waters of the State, or discharged or deposited where it is, or probably will be, discharged in or on any waters of the State, shall, as soon as (a) such person has knowledge of the discharge, (b) notification is possible, and (c) notification can be provided without substantially impeding cleanup or other emergency measures, immediately notify the Office of Emergency Services of the discharge in accordance with the spill reporting provision of the State oil spill contingency plan adopted pursuant to Article 3.5 (commencing with Section 8574.1) of Chapter 7 of Division 1 of Title 2 of the Government Code. This provision does not require reporting of any discharge of less than 42 gallons unless the discharge is also required to be reported pursuant to Section 311 of the Clean Water Act or the discharge is in violation of a prohibition in the applicable Water Quality Control Plan. [CWC Section 13272]

Standard Provisions Applicable to
Waste Discharge Requirements

13. ENTRY AND INSPECTION

The discharger shall allow the Regional Board, or an authorized representative upon the presentation of credentials and other documents as may be required by law, to:

- (a) Enter upon the discharger's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Order;
- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Order;
- (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order; and
- (d) Sample or monitor at reasonable times, for the purposes of assuring compliance with this Order, or as otherwise authorized by the California Water Code, any substances or parameters at any location. [CWC Section 13267]

14. MONITORING PROGRAM AND DEVICES

The discharger shall furnish, under penalty of perjury, technical monitoring program reports; such reports shall be submitted in accordance with specifications prepared by the Executive Officer, which specifications are subject to periodic revisions as may be warranted. [CWC Section 13267]

All monitoring instruments and devices used by the discharger to fulfill the prescribed monitoring program shall be properly maintained and calibrated as necessary to ensure their continued accuracy. All flow measurement devices shall be calibrated at least once per year, or more frequently, to ensure continued accuracy of the devices. Annually, the discharger shall submit to the Executive Office a written statement, signed by a registered professional engineer, certifying that all flow measurement devices have been calibrated and will reliably achieve the accuracy required.

Unless otherwise permitted by the Regional Board Executive officer, all analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health Services. The Regional Board Executive Officer may allow use of an uncertified laboratory under exceptional circumstances, such as when the closest laboratory to the monitoring location is outside the State boundaries and therefore not subject to certification. All analyses shall be required to be conducted in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants" [40CFR Part 136] promulgated by the U.S. Environmental Protection Agency. [CCR Title 23, Section 2230]

Standard Provisions Applicable to
Waste Discharge Requirements

15. TREATMENT FAILURE

In an enforcement action, it shall not be a defense for the discharger that it would have been necessary to halt or to reduce the permitted activity in order to maintain compliance with this Order. Upon reduction, loss, or failure of the treatment facility, the discharger shall, to the extent necessary to maintain compliance with this Order, control production or all discharges, or both, until the facility is restored or an alternative method of treatment is provided. This provision applies, for example, when the primary source of power of the treatment facility fails, is reduced, or is lost. [CWC Section 13263(f)]

16. DISCHARGE TO NAVIGABLE WATERS

Any person discharging or proposing to discharge to navigable waters from a point source (except for discharge of dredged or fill material subject to Section 404 of the Clean Water Act and discharge subject to a general NPDES permit) must file an NPDES permit application with the Regional Board. [CCR Title 2 Section 22357]

17. ENDANGERMENT TO HEALTH AND ENVIRONMENT

The discharger shall report any noncompliance which may endanger health or the environment. Any such information shall be provided verbally to the Executive Officer within 24 hours from the time the discharger becomes aware of the circumstances. A written submission shall also be provided within five days of the time the discharger becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. The Executive officer, or an authorized representative, may waive the written report on a case-by-case basis if the oral report has been received within 24 hours. The following occurrence(s) must be reported to the Executive Office within 24 hours:

- (a) Any bypass from any portion of the treatment facility.
- (b) Any discharge of treated or untreated wastewater resulting from sewer line breaks, obstruction, surcharge or any other circumstances.
- (c) Any treatment plant upset which causes the effluent limitation of this Order to be exceeded. [CWC Sections 13263 and 13267]

18. MAINTENANCE OF RECORDS

The discharger shall retain records of all monitoring information including all calibration and maintenance records, all original strip chart recordings for continuous monitoring instrumentation, copies off all reports required by this Order, and record of all data used

Standard Provisions Applicable to Waste Discharge Requirements

to complete the application for this Order. Records shall be maintained for a minimum of three years from the date of the sample, measurement, report, or application. This period may be extended during the course of any unresolved litigation regarding this discharge or when requested by the Regional Board Executive Officer.

Records of monitoring information shall include:

- (a) The date, exact place, and time of sampling or measurement;
 - (b) The individual(s) who performed the sampling or measurement;
 - (c) The date(s) analyses were performed;
 - (d) The individual(s) who performed the analyses;
 - (e) The analytical techniques or method used; and
 - (f) The results of such analyses.
19. (a) All application reports or information to be submitted to the Executive Office shall be signed and certified as follows:
- (1) For a corporation – by a principal executive officer or at least the level of vice president.
 - (2) For a partnership or sole proprietorship – by a general partner or the proprietor, respectively.
 - (3) For a municipality, state, federal, or other public agency – by either a principal executive officer or ranking elected official.
- (b) A duly authorized representative of a person designated in paragraph (a) of this provision may sign documents if:
- (1) The authorization is made in writing by a person described in paragraph (a) of this provision.
 - (2) The authorization specifies either an individual or position having responsibility for the overall operation of the regulated facility or activity; and
 - (3) The written authorization is submitted to the Executive Officer.

Any person signing a document under this Section shall make the following certification:

Standard Provisions Applicable to
Waste Discharge Requirements

"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. [CWC Sections 13263, 13267, and 13268]"

20. OPERATOR CERTIFICATION

Supervisors and operators of municipal wastewater treatment plants and privately owned facilities regulated by the PUC, used in the treatment or reclamation of sewage and industrial waste shall possess a certificate of appropriate grade in accordance with Title 23, California Code of Regulations Section 3680. State Boards may accept experience in lieu of qualification training. In lieu of a properly certified wastewater treatment plant operator, the State Board may approve use of a water treatment plant operator of appropriate grade certified by the State Department of Health Services where reclamation is involved.

Each plant shall be operated and maintained in accordance with the operation and maintenance manual prepared by the municipality through the Clean Water Grant Program. [CWC Title 23, Section 2233(d)]

ADDITIONAL PROVISIONS APPLICABLE TO
PUBLICLY OWNED TREATMENT WORKS' ADEQUATE CAPACITY

21. Whenever a publicly owned wastewater treatment plant will reach capacity within four years the discharger shall notify the Regional Board. A copy of such notification shall be sent to appropriate local elected officials, local permitting agencies and the press. The discharger must demonstrate that adequate steps are being taken to address the capacity problem. The discharger shall submit a technical report to the Regional Board showing flow volumes will be prevented from exceeding capacity, or how capacity will be increased, within 120 days after providing notification to the Regional Board, or within 120 days after receipt of notification from the Regional Board, of a finding that the treatment plant will reach capacity within four years. The time for filing the required technical report may be extended by the Regional Board. An extension of 30 days may be granted by the Executive Officer, and longer extensions may be granted by the Regional Board itself. [CCR Title 23, Section 2232]

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

LOS ANGELES REGION

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**MONITORING AND REPORTING PROGRAM NO. CI-3138
FOR
LOS ANGELES COUNTY FIRE DEPARTMENT
AND
LOS ANGELES COUNTY INTERNAL SERVICES DEPARTMENT
FORESTER AND FIRE WARDEN CAMP 13 WASTEWATER TREATMENT PLANT
(FILE NO. 61-108)**

This Monitoring and Reporting Program (MRP) No. CI-3138 is issued pursuant to California Water Code section 13267, which authorizes the California Regional Water Quality Control Board, Los Angeles Region (Regional Board) to require Los Angeles County Fire Department and Los Angeles County Internal Services Department (hereinafter, Dischargers) to submit technical and monitoring reports. The reports required herein are necessary to assure compliance with Waste Discharge Requirements (WDRs) Order No. R4-2015-0121 and to protect the waters of the state and their beneficial uses. The evidence that supports the need for the reports is set forth in the WDRs and the Regional Board Record.

I. REPORTING REQUIREMENTS

- A. The Dischargers shall implement this monitoring program on the effective date of this Order (WDR Order No. R4-2015-0121). The first monitoring report under this Program is due by **July 30, 2015**. Monitoring reports shall be received by the Regional Board 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

- B. If there is no discharge during any reporting period, the report shall so state.
- C. By March 1st of each year, beginning March 1, 2016, the Dischargers shall submit an annual summary report to the Regional Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous calendar year. In addition, the Dischargers 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.

- D. Laboratory analyses – all chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for such analyses by the California Environmental Laboratory Accreditation Program (ELAP). A copy of the laboratory certification shall be provided each time a new and/or renewal is obtained from ELAP.
- E. The monitoring report shall specify the United States Environmental Protection Agency (USEPA) analytical method used, the Method Detection Limit (MDL) and the Minimum Level (ML) for each pollutant. For the purpose of reporting compliance with numerical limitations, and receiving water limitations, analytical data shall be reported by one of the following methods, as appropriate:
1. An actual numerical value for sample results greater than or equal to the ML;
 2. "Detected, but Not Quantified (DNQ)" for sample results greater than or equal to the laboratory's MDL but less than the ML; or,
 3. "Not Detected (ND)" for sample results less than the laboratory's MDL with the MDL indicated for the analytical method used.

The minimum levels are those published by the State Water Resources Control Board in the *Policy for the Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California*, February 24, 2005.

- F. The MLs employed for effluent analyses shall be lower than the permit limits established for a given parameter, unless the Dischargers can demonstrate that a particular ML is not attainable and obtains approval for a higher ML from the Regional Board Executive Officer (Executive Officer). The Dischargers shall submit a list of the analytical methods employed for each test and the associated laboratory quality assurance/quality control (QA/QC) procedures upon request by the Regional Board.
- G. Water/wastewater samples must be analyzed within allowable holding time limits as specified in 40 CFR Part 136.3. All Quality Assurance/Quality Control (QA/QC) samples must be run on the same dates when samples were actually analyzed. At least once a year, the Dischargers shall maintain and update a list of the analytical methods employed for each test and the associated laboratory QA/QC procedures. The Dischargers shall make available for inspection and/or submit the QA/QC documentation upon request by Regional Board staff.
- H. Each monitoring report must affirm in writing that "All analyses were conducted at a laboratory certified for such analyses by the California ELAP, and in accordance with current USEPA guideline procedures or as specified in this Monitoring Program." Proper chain of custody procedures must be followed and a copy of the completed chain of custody form shall be submitted with the report.

- I. For every item where the requirements are not met, the Dischargers shall submit a statement of the cause(s), and actions undertaken or proposed which will bring the discharge into full compliance with waste discharge requirements at the earliest possible time, including a timetable for implementation of those actions.
- J. The Dischargers shall maintain all sampling and analytical results: 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 Regional Board.
- K. In reporting the monitoring data, the Dischargers 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 the requirements and, where applicable, shall include results of receiving water observations.
- L. Each monitoring report shall contain a separate section titled "Summary of Non-Compliance" which discusses the compliance record and the corrective actions taken or planned that may be needed to bring the discharge into full compliance with WDRs. This section shall be located at the front of the report and shall clearly list all non-compliance with discharge requirements, as well as all excursions of effluent limitations.

II. EFFLUENT MONITORING REQUIREMENTS

An effluent sampling station(s) shall be established for Forester and Fire Warden Camp 13 Wastewater Treatment Plant (Camp 13 WWTP) at a location(s) where representative samples of treated wastewater can be obtained prior to discharge to the evaporation/percolation ponds. All effluent samples shall be obtained at the effluent holding tank provided that the effluent holding tank is representative of the quality at all discharge points. Any proposed change of the sampling location for Camp 13 WWTP shall be identified and approved by the Executive Officer prior to its use.

The following shall constitute the effluent monitoring program, specified in Table 1:

Table 1. Effluent Monitoring

Constituent	Units¹	Type of Sample	Minimum Frequency² of Analysis
Total Flow	gallon/day	recorder	daily
Total Coliform	MPN/100mL	grab	daily/weekly ³
Fecal Coliform	MPN/100mL	grab	daily/weekly ³
Nitrate as Nitrogen	mg/L	grab	weekly
Nitrite as Nitrogen	mg/L	grab	weekly
Ammonia as Nitrogen	mg/L	grab	weekly
Organic Nitrogen	mg/L	grab	weekly
Total Nitrogen ⁴	mg/L	grab	weekly
pH	pH units	grab	monthly
BOD ₅	mg/L	grab	monthly
Total Suspended Solids	mg/L	grab	monthly
Turbidity	mg/L	grab	monthly
Oil & Grease	mg/L	grab	monthly
Methylene Blue Active Substances (MBAS)	mg/L	grab	monthly
Total Dissolved Solids	mg/L	grab	quarterly
Sulfate	mg/L	grab	quarterly
Chloride	mg/L	grab	quarterly
Boron	mg/L	grab	quarterly
Priority Pollutants ⁵	µg/L	grab	annually
CEC ⁶	µg/L	grab	annually

¹ mg/L=milligrams per liter; MPN/100mL=most probable number per 100 milliliters;

µg/L= micrograms per liter

² If any constituent exceeds the limitations contained in Order No. R4-2015-0121, then the frequency of analysis shall increase to monthly for quarterly sampling and weekly for monthly sampling within one week of knowledge of the test results until at least three consecutive test results have been obtained. After which if no constituents exceed the prescribed limits, the frequency of analysis shall revert back to the minimum analysis frequency prescribed.

³ Total coliform and fecal coliform shall be sampled on a daily basis including weekdays and weekends for the first 12 weeks from the adoption of the WDRs Order No. R4-2015-0121. The sampling frequency will be reduced to weekly after the first 12 weeks if the Dischargers demonstrate that there is no effluent violation in the last four weeks of the 12-week daily sampling period. If there are two consecutive violations of effluent limitations for total coliform or fecal coliform, the sampling frequency will occur on a daily basis and may be returned to weekly after total coliform and fecal coliform are in compliance with the effluent limitations for at least three consecutive days.

⁴ Total Nitrogen = nitrate-N + nitrite-N + ammonia-N + organic-N

⁵ See Appendix A to 40 CFR, Part 423 for list of priority pollutants

⁶ See Attachment B for the list of Chemicals of Emerging Concern (CEC)

The monitoring reports shall contain the following information:

1. Average and maximum daily waste flow for each month in gallons per day.
2. Estimated population served during each month of the reporting period.
3. Results of at least monthly observations in the disposal area for any over flow or surfacing of wastes.

III. GROUNDWATER MONITORING PROGRAM

The groundwater monitoring program for the Camp 13 WWTP and seven evaporation/percolation ponds consist of a network of three monitoring wells (MW-1, MW-2, and MW-3) installed in the vicinity of the WWTP and seven ponds.

The following shall constitute the groundwater monitoring program, specified in Table 2:

Table 2. Groundwater Monitoring

Constituent	Units ¹	Type of Sample	Minimum Frequency of Analysis
pH	pH units	grab	monthly
Total Coliform	MPN/100mL	grab	monthly
Fecal Coliform	MPN/100mL	grab	monthly
Nitrate as Nitrogen	mg/L	grab	monthly
Nitrite as Nitrogen	mg/L	grab	monthly
Ammonia as Nitrogen	mg/L	grab	monthly
Organic Nitrogen	mg/L	grab	monthly
Total Nitrogen ²	mg/L	grab	monthly
Total Dissolved Solids	mg/L	grab	quarterly
Sulfate	mg/L	grab	quarterly
Chloride	mg/L	grab	quarterly
Boron	mg/L	grab	quarterly

¹ mg/L=milligrams per liter; MPN/100mL=most probable number per 100 milliliters;

µg/L=micrograms per liter.

² Total Nitrogen = nitrate-N + nitrite-N + ammonia-N + organic-N

The groundwater monitoring portion of the monitoring report shall be prepared by or under the direction of a professional engineer/professional geologist in the State of California. All groundwater monitoring reports must include, at minimum, the following:

1. Well identification, date, and time of sampling;
2. Sampler identification and laboratory identification; and
3. Quarterly measurement of groundwater levels, recorded to 0.01 feet mean sea level;
4. Vertical separation of the water table from the bottom of the evaporation/percolation ponds; and

5. An assessment of the hydraulic connection, if any, between seven evaporation/percolation ponds, groundwater, and surface water.

IV. SURFACE WATER MONITORING PROGRAM

The surface water monitoring program for the Camp 13 WWTP and seven evaporation/percolation ponds consist of two monitoring locations (SW-1 and SW-2).

The following shall constitute the surface water monitoring program, specified in Table 3:

Table 3. Surface Water Monitoring

Constituent	Units ¹	Type of Sample	Minimum Frequency of Analysis
pH	pH units	grab	quarterly
Total Dissolved Solids	mg/L	grab	quarterly
Sulfate	mg/L	grab	quarterly
Chloride	mg/L	grab	quarterly
Boron	mg/L	grab	quarterly
Nitrate as Nitrogen	mg/L	grab	quarterly
Nitrite as Nitrogen	mg/L	grab	quarterly
Ammonia as Nitrogen	mg/L	grab	quarterly
Organic Nitrogen	mg/L	grab	quarterly
Total Nitrogen ²	mg/L	grab	quarterly
Total Coliform	MPN/100mL	grab	quarterly
Fecal Coliform	MPN/100mL	grab	quarterly

¹ mg/L=milligrams per liter; MPN/100mL=most probable number per 100 milliliters;
µg/L=micrograms per liter.

² Total Nitrogen = nitrate-N + nitrite-N + ammonia-N + organic-N

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

1. Sample Location, including date, and time sampled;
2. Sampler identification and laboratory used;
3. Water elevation with respect to mean sea level; and
4. An assessment of the hydraulic connection, if any, between seven evaporation/percolation ponds and surface water

V. WASTE HAULING REPORTING

In the event that waste oil and grease, 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.

VI. OPERATION AND MAINTENANCE REPORT

The Dischargers shall annually submit a technical report to the Regional Board relative to the operation and maintenance program for the Camp 13 WWTP and seven evaporation/percolation ponds. The information to be contained in the report shall include, at a minimum, the following:

1. Results of the annual inspection;
2. A list of current operating personnel with their responsibilities and their corresponding grade of certification;
3. Type of maintenance (preventive or corrective action performed);
4. Frequency of maintenance, if preventive;
5. The maintenance records for the wastewater treatment system and disposal system; and
6. Results of at least monthly observations in the disposal areas for any overflow or surfacing of waste.

VII. MONITORING FREQUENCIES

Specifications in this monitoring program are subject to periodic revisions. Monitoring requirements may be modified or revised by the Executive Officer based on review of monitoring data submitted pursuant to this Order. Monitoring frequencies may be adjusted to a less frequent basis or parameters and locations removed by the Executive Officer if the Dischargers make a request and the request is backed by statistical trends of monitoring data submitted.

VIII. ELECTRONIC SUBMITTAL OF INFORMATION

The Dischargers are directed to submit all reports required under the WDR adopted by the Regional Board, including groundwater monitoring data in electronic data format (EDF), discharge location data, and searchable Portable Document Format (PDF) of monitoring reports, to the State Water Resources Control Board GeoTracker database under Global ID WDR100001048.

IX. CERTIFICATION STATEMENT

Each report shall contain the following declaration:

"I certify under penalty of law that this document, including all attachments and supplemental information, was 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 _____ at _____.

_____(Signature)

_____(Title)".

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: Samuel Unger
Samuel Unger, P.E.
Executive Officer

Date: June 10, 2015

Appendix A to 40 CFR, Part 423--126 Priority Pollutants

001 Acenaphthene	047 Bromoform (tribromomethane)	090 Dieldrin
002 Acrolein	048 Dichlorobromomethane	091 Chlordane (technical mixture and metabolites)
003 Acrylonitrile	051 Chlorodibromomethane	092 4,4-DDT
004 Benzene	052 Hexachlorobutadiene	093 4,4-DDE (p,p-DDX)
005 Benzidine	053 Hexachloromyclopentadiene	094 4,4-DDD (p,p-TDE)
006 Carbon tetrachloride (tetrachloromethane)	054 Isophorone	095 Alpha-endosulfan
007 Chlorobenzene	055 Naphthalene	096 Beta-endosulfan
008 1,2,4-trichlorobenzene	056 Nitrobenzene	097 Endosulfan sulfate
009 Hexachlorobenzene	057 2-nitrophenol	098 Endrin
010 1,2-dichloroethane	058 4-nitrophenol	099 Endrin aldehyde
011 1,1,1-trichloroethane	059 2,4-dinitrophenol	100 Heptachlor
012 Hexachloroethane	060 4,6-dinitro-o-cresol	101 Heptachlor epoxide (BHC-hexachlorocyclohexane)
013 1,1-dichloroethane	061 N-nitrosodimethylamine	102 Alpha-BHC
014 1,1,2-trichloroethane	062 N-nitrosodiphenylamine	103 Beta-BHC
015 1,1,2,2-tetrachloroethane	063 N-nitrosodi-n-propylamin	104 Gamma-BHC (lindane)
016 Chloroethane	064 Pentachlorophenol	105 Delta-BHC (PCB-polychlorinated biphenyls)
018 Bis(2-chloroethyl) ether	065 Phenol	106 PCB-1242 (Arochlor 1242)
019 2-chloroethyl vinyl ether (mixed)	066 Bis(2-ethylhexyl) phthalate	107 PCB-1254 (Arochlor 1254)
020 2-chloronaphthalene	067 Butyl benzyl phthalate	108 PCB-1221 (Arochlor 1221)
021 2,4, 6-trichlorophenol	068 Di-N-Butyl Phthalate	109 PCB-1232 (Arochlor 1232)
022 Parachlorometa cresol	069 Di-n-octyl phthalate	110 PCB-1248 (Arochlor 1248)
023 Chloroform (trichloromethane)	070 Diethyl Phthalate	111 PCB-1260 (Arochlor 1260)
024 2-chlorophenol	071 Dimethyl phthalate	112 PCB-1016 (Arochlor 1016)
025 1,2-dichlorobenzene	072 1,2-benzanthracene (benzo(a) anthracene)	113 Toxaphene
026 1,3-dichlorobenzene	073 Benzo(a)pyrene (3,4-benzo-pyrene)	114 Antimony
027 1,4-dichlorobenzene	074 3,4-Benzofluoranthene (benzo(b) fluoranthene)	115 Arsenic
028 3,3-dichlorobenzidine	075 11,12-benzofluoranthene (benzo(b) fluoranthene)	116 Asbestos
029 1,1-dichloroethylene	076 Chrysene	117 Beryllium
030 1,2-trans-dichloroethylene	077 Acenaphthylene	118 Cadmium
031 2,4-dichlorophenol	078 Anthracene	119 Chromium
032 1,2-dichloropropane	079 1,12-benzoperylene (benzo(ghi) perylene)	120 Copper
033 1,2-dichloropropylene (1,3-dichloropropene)	080 Fluorene	121 Cyanide, Total
034 2,4-dimethylphenol	081 Phenanthrene	122 Lead
035 2,4-dinitrotoluene	082 1,2,5,6-dibenzanthracene (dibenzo(h) anthracene)	123 Mercury
036 2,6-dinitrotoluene	083 Indeno (1,2,3-cd) pyrene (2,3-o-pherynylene pyrene)	124 Nickel
037 1,2-diphenylhydrazine	084 Pyrene	125 Selenium
038 Ethylbenzene	085 Tetrachloroethylene	126 Silver
039 Fluoranthene	086 Toluene	127 Thallium
040 4-chlorophenyl phenyl ether	087 Trichloroethylene	128 Zinc
041 4-bromophenyl phenyl ether	088 Vinyl chloride (chloroethylene)	129 2,3,7,8-tetrachloro-dibenzo-p-dioxin (TCDD)
042 Bis(2-chloroisopropyl) ether	089 Aldrin	
043 Bis(2-chloroethoxy) methane		
044 Methylene chloride (dichloromethane)		
045 Methyl chloride (dichloromethane)		
046 Methyl bromide (bromomethane)		

Attachment B

Monitoring for Chemicals of Emerging Concern (CECs)

Constituent	Reporting Limit (µg/L)
17β-estradiol	0.001
Caffeine	0.05
NDMA	0.002
Triclosan	0.05
DEET	0.05
Sucralose	0.1

Los Angeles Regional Water Quality Control Board

January 31, 2014

Mr. James Bailey, Division Chief
Construction & Maintenance Division
Los Angeles County Fire Department
2300 East 27th Street
Signal Hill, CA 90755

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7010 3090 0002 1022 1110

REVISION OF WASTE DISCHARGE REQUIREMENTS AND MONITORING AND REPORTING PROGRAM FOR THE LOS ANGELES COUNTY FIRE DEPARTMENT - CAMP 14, 35100 SAN FRANCISQUITO CANYON ROAD, SAUGUS, CALIFORNIA (ORDER NO. R4-2009-0111, FILE NO. 08-022, CI NO. 9557, GLOBAL ID WDR100001225)

Dear Mr. Bailey:

We have completed our review of your request for revision of the Monitoring and Reporting Program No. 9557, which is part of the Waste Discharge Requirements (WDR) for wastewater generated from the Los Angeles County Fire Department Camp 14 (Discharger), located at 35100 San Francisquito Canyon Road, Saugus, CA (Site).

On November 5, 2009, the Los Angeles Regional Water Quality Control Board (Regional Board) adopted Waste Discharge Requirements (WDRs) Order No. R4-2009-0111 and Monitoring and Reporting Program (MRP) CI No. 9557 for the subject Site. The Monitoring and Reporting Program specifies quarterly groundwater analyses for several constituents at monitoring wells MW-1, MW-2, MW-3, MW-4, and MW-5 to determine any impacts from the discharge of wastes.

On May 31, 2013, the Regional Board approved the installation of three additional groundwater monitoring wells (MW-6, MW-7, and MW-8) on site. Groundwater monitoring wells MW-6, MW-7, and MW-8 were constructed in September 2013. These groundwater monitoring wells were constructed in the alluvial aquifer.

In your correspondence dated January 7, 2014, you requested the removal of groundwater monitoring wells MW-1, MW-2, and MW-3 from the MRP No. 9557 because these groundwater monitoring wells were constructed in the siltstone aquifer, which is the deeper aquifer at the site and as such the groundwater samples collected from these monitoring wells are not representative of the underlying groundwater quality at the site.

Based on staff review of your January 7, 2014 submittal; staff agrees the groundwater monitoring wells MW-1, MW-2, and MW-3 were constructed in the deeper siltstone aquifer and are not representative of the first encounter aquifer at the site. As such, groundwater monitoring wells MW-1, MW-2, and MW-3 are no longer needed. Therefore, groundwater monitoring shall be performed quarterly on monitoring wells MW-4, MW-5, MW-6, MW-7, and MW-8. Attach please find the revised MRP No. 9557.

The Discharger is responsible for the proper decommission of monitoring wells MW-1, MW-2, and MW-3 in accordance with California Department of Water Resources Bulletins 74-81 and 74-80, and applicable Los Angeles County Department of Public Health Standards. Upon decommissioning of the monitoring wells (MW-1, MW-2, and MW-3), a copy of the record of such action should be sent to our office.

If you have any questions, please contact the Project Manager, Ms. Mercedes Merino at (213) 620-6156 (mmerino@waterboards.ca.gov), or the Chief of Groundwater Permitting Unit, Dr. Eric Wu at (213) 576-6683 (ewu@waterboards.ca.gov).

Sincerely,



Samuel Unger
Executive Officer

Enclosure: Revised Monitoring and Reporting Program CI No. 9557

cc (via email): Mr. Tony Jimenez, Project Manager Environmental Compliance, County of Los Angeles Fire Department
Ms. Shaomeng Maggie Xuan, Supervising Toxicologist, Los Angeles County Department of Agricultural Commissioner/Weights and Measures Environmental Toxicology Bureau
Mr. Thant Win, Chief, Los Angeles County Department of Agricultural Commissioner/Weights and Measures Environmental Toxicology Bureau
Mr. Tom Regan, Principal Hydrogeologist, TMR Geologic Consulting Services

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REVISED MONITORING AND REPORTING PROGRAM CI NO. 9557

FOR

LOS ANGELES COUNTY FIRE DEPARTMENT

LOS ANGELES COUNTY FIRE DEPARTMENT CAMP 14

(FILE NO. 02-158)

This Revised Monitoring and Reporting Program (MRP) CI No. 9557 is issued pursuant to California Water Code Section 13267, which authorizes the Regional Water Quality Control Board, Los Angeles Region (Regional Board) to require Los Angeles County Fire Department hereinafter, Discharger) to submit technical and monitoring reports. The reports required herein are necessary to assure compliance with Waste Discharge Requirements (WDRs) Order No. R4-2009-0111 and to protect the waters of the state and their beneficial uses. The evidence that supports the need for the reports is set forth in the WDRs and the Regional Board Record.

I. SUBMITTAL OF REPORTS

1. The Dischargers shall submit the required reports, outlined in the following paragraphs to the Regional Board. The reports shall be received at the Regional Board via GeoTracker database under Global ID WDR100001225 on the dates indicated as follows:

- A. **Quarterly Monitoring Reports** shall be received at the Regional Board by the 15th day of the second month following the end of each quarterly monitoring period according to Table 1. The first monitoring report under this program shall be received at the Regional Board by April 15, 2014.

Table 1. Reporting Period and Due Dates

Reporting Period	Report Due
January - March	April 15
April - June	July 15
July - September	October 15
October – December	January 15

- B. **Annual Summary Report** shall be received at the Regional Board January 30 of each year. The first Annual Summary Report under this program shall be received at the Regional Board on January 30, 2015.

If there is no discharge during any reporting period, the report shall so state.

2. The Dischargers shall comply with the Electronic Submittal of Information (ESI) requirements by submitting all reports required under the MRP, including electronic data format (EDF) groundwater monitoring data, discharge location data, and pdf monitoring to the State Water Resources Control Board (State Board) GeoTracker database under Global ID WDR100001225.

II. MONITORING REQUIREMENTS

1. Monitoring shall be used to determine compliance with the requirements of this Order and shall include, but not limited to, the following:
 - A. Locations of each groundwater monitoring station where representative samples can be obtained and the rationale for the selection. The Discharger must include a map, at a scale of 1 inch equals 1,200 feet or less, that clearly identifies the locations of all monitoring wells, and production wells.
 - B. Sampling protocols (specified in 40 CFR Part 136 or AWWA standards where appropriate) and chain of custody procedures.
 - C. For groundwater monitoring, outline the methods and procedures to be used for measuring water levels; purging wells; collecting samples; decontaminating equipment; containing, preserving, and shipping samples, and maintaining appropriate documentation. Also include the procedures for handling, storing, testing, and disposing of purge and decontamination waters generated from the sampling events.
 - D. Laboratory or laboratories, which conducted the analyses. Include copy or copies of laboratory certifications by the California Department of Public Health (CDPH) Environmental Laboratory Accreditation Program (ELAP) every year or when the Discharger changes their contract laboratory.
 - E. Analytical test methods used and the corresponding detection limits for reporting purposes (DLRs) unregulated and regulated chemicals. For regulated chemicals, please see the CDPH's website at:
<http://www.cdph.ca.gov/certlic/drinkingwater/Pages/EDT.aspx>
 - F. Quality assurance and control measures.
2. The samples shall be analyzed using analytical methods described in 40 CFR Part 136; or where no methods are specified for a given pollutant, by commercially available methods approved by the CDPH, Regional Board and/or State Board. The Discharger shall select the analytical methods that provide reporting detection limits (DLRs) lower than the limits prescribed in this Order.
3. The Discharger shall instruct its laboratories to establish calibration standards so that the DLRs (or its equivalent if there is a different treatment of samples relative to calibration standards) are the lowest calibration standard. At no time shall the Discharger use analytical data derived from extrapolation beyond the lowest point of the calibration curve.
4. Upon request by the Discharger, the Regional Board, in consultation with the CDPH and the State Board Quality Assurance Program, may establish DLRs, in any of the following situations:

- A. When the pollutant has no established method under 40 CFR 136 (revised May14, 1999, or subsequent revision);
 - B. When the method under 40 CFR 136 for the pollutant has a DLR higher than the limit specified in this Order; or,
 - C. When the Discharger agrees to use a test method that is more sensitive than those specified in 40 CFR Part 136 and is commercially available.
5. Samples of disinfected effluent must be analyzed within allowable holding time limits as specified in 40 CFR Part 136.3. All QA/QC analyses must be run on the same dates when samples were actually analyzed. The Discharger shall make available for inspection and/or submit the QA/QC documentation upon request by Regional Board staff. Proper chain of custody procedures must be followed and a copy of that documentation shall be submitted with the quarterly report.
6. For unregulated chemical analyses, the Discharger shall select methods according to the following approach:
- A. Use drinking water methods, if available;
 - B. Use CDPH-recommended methods for unregulated chemicals, if available;
 - C. If there is no CDPH-recommended drinking water method for a chemical, and more than a single EPA-approved method is available, use the most sensitive of the EPA-approved methods;
 - D. If there is no EPA-approved method for a chemical, and more than one method is available from the scientific literature and commercial laboratory, after consultation with CDPH, use the most sensitive method;
 - E. If no approved method is available for a specific chemical, the Discharger's laboratory may develop or use its own methods and should provide the analytical methods to CDPH for review. Those methods may be used until CDPH recommended or EPA-approved methods are available.
 - F. If the only method available for a chemical is for wastewater analysis (e.g., a chemical listed as a priority pollutant only), sample and analyze for that chemical in the treated and disinfected effluent immediately increase the likelihood of detection. Use this approach until the Discharger's laboratory develops a method for the chemical in drinking water, or until a CDPH-recommended or EPA-approved drinking water method is available.
 - G. The Discharger is required to inform the Regional Board, in event that D, E, F is occurring.

III. REPORTING REQUIREMENTS

The Discharger shall submit all reports, shown on Section I SUBMITTAL OF REPORTS to the Regional Board by the dates indicated. All quarterly, and annual monitoring

reports shall contain a separate section titled "Summary of Non-Compliance", which discusses the compliance records and corrective actions taken or planned that may be needed to bring the effluent into full compliance with water discharge requirements. This section shall clearly list all non-compliance with WDRs, as well as all excursions of effluent limitations.

1. Quarterly reports

- A. These reports shall include, at a minimum, the following information:
 - a. The volume of the final effluent.
 - b. The date and time of sampling and analyses.
 - c. All analytical results of samples collected during the monitoring period of the final effluent and groundwater.
 - d. Records of any operational problems, plant upset and equipment breakdowns or malfunctions, and any discharge(s) of the final effluent.
 - e. Discussion of compliance, noncompliance, or violation of requirements.
 - f. All corrective or preventive action(s) taken or planned with schedule of implementation, if any.
- B. For the purpose of reporting compliance with numerical limitations, analytical data shall be reported using the following reporting protocols:
 - a. Sample results greater than or equal to the DLR must be reported "as measured" by the laboratory (i.e., the measured chemical concentration in the sample); or
 - b. Sample results less than the DLR, but greater than or equal to the laboratory's method detection limit (MDL), must be reported as "Detected, but Not Quantified", or DNQ. The laboratory must write the estimated chemical concentration of the sample next to DNQ as well as the words "Estimated Concentration" (may be shortened to Est. Conc.); or
 - c. Sample results less than the laboratory's MDL must be reported as "Not-Detected", or ND.
- C. If the Discharger samples and performs analyses (other than for process/operational control, startup, research, or equipment testing) on any sample more frequently than required in this MRP using approved analytical methods, the results of those analyses shall be included in the report. These results shall be reflected in the calculation of the average used in demonstrating compliance with average effluent, receiving groundwater water, etc., limitations.

- D. The Regional Board may request supporting documentation, such as daily logs of operations.

2. Annual Reports

- A. Tabular and graphical summaries of the monitoring data obtained during the previous calendar year.
- B. Discussion of the compliance record and corrective or preventive action(s) taken or planned that may be needed to bring the treated effluent into full compliance with the requirements in this Order.
- C. An in-depth discussion of the results of the groundwater monitoring and final effluent monitoring programs conducted during the previous year.
- D. The description of any changes and anticipated changes including any impacts in operation of any unit processes or facilities shall be provided.
- E. A list of the analytical methods employed for each test and associated laboratory quality assurance/quality control procedures shall be included. The report shall restate, for the record, the laboratories used by the Discharger to monitor compliance with this Order, their status of certification, and provide a summary of performance.
- F. The report shall confirm operator certification and provide a list of current operating personnel, their responsibilities, and their corresponding grade of certification.
- H. The report shall also include the date of the Fire Camp 14 Operation and Maintenance Management Plan, the date the plan was last reviewed, and whether the plan is complete and valid.
- I. The groundwater monitoring portion of the annual report shall be prepared under the direction of an engineer registered in the State of California, or a professional geologist in California. All groundwater monitoring reports must include, at minimum, the following:
 - a. Well identification, date and time of sampling;
 - b. Sampler identification, and laboratory identification; and,
 - c. Quarterly observation of groundwater levels, recorded to .01 feet mean sea level, flow direction.

If there is no discharge during any reporting period, the report shall so state.

IV. WATER QUALITY MONITORING REQUIREMENTS

A. INFLUENT MONITORING

1. The Discharger shall measure the monthly average and maximum daily waste flow from the facility.
2. The following shall constitute the influent monitoring program for the wastewater treatment plant, specified in Table 2:

Table 2. Influent Monitoring

Constituent	Units ³	Type of Sample	Minimum Frequency of Analysis
Total flow ¹	gal/day	recorder	continuous
BOD ₅ 20°C ²	mg/L	grab	Monthly
Total suspended solids	mg/L	grab	Monthly
Total dissolved solids	mg/L	grab	Quarterly
Sulfate	mg/L	grab	Quarterly
Chloride	mg/L	grab	Quarterly
Boron	mg/L	grab	Quarterly

¹For those constituents that are continuously monitored the Discharger shall report the minimum, maximum, and daily average values.

²BOD₅ 20°C=Biochemical oxygen demand

³gal/day=gallons per day; mg/L=milligrams per liter

B. WASTEWATER TREATMENT SYSTEM EFFLUENT MONITORING

1. The following shall constitute the effluent monitoring program, specified in Table 3:

Table 3. Effluent Monitoring

Constituent	Units ³	Type of Sample	Minimum Frequency ⁴ of Analysis
Total flow ¹	gal/day	recorder	continuous
pH	pH Units	grab	Monthly
BOD ₅ 20°C ²	mg/L	grab	Monthly
Temperature	mg/L	grab	Monthly
Total suspended solids	mg/L	grab	Monthly
Total coliform	MPN/100mL	grab	Monthly
Fecal coliform	MPN/100mL	grab	Monthly
Enterococcus	MPN/100mL	grab	Monthly
Oil and grease	mg/L	grab	Quarterly
Ammonia-N	mg/L	grab	Quarterly
Nitrate-N	mg/L	grab	Quarterly
Nitrite-N	mg/L	grab	Quarterly

Constituent	Units ³	Type of Sample	Minimum Frequency ⁴ of Analysis
Organic nitrogen	mg/L	grab	Quarterly
Total nitrogen ⁵	mg/L	grab	Quarterly
Total dissolved solids	mg/L	grab	Quarterly
Sulfate	mg/L	grab	Quarterly
Chloride	mg/L	grab	Quarterly
Boron	mg/L	grab	Quarterly
Residual chlorine ⁶	mg/L	grab	Quarterly
MBAS and CTAS ⁷	mg/L	grab	Semiannually
Phosphorous ⁸	mg/L	grab	Semiannually
Priority Pollutants ⁹	µg/L	grab	Annually

¹For those constituents that are continuously monitored the Discharger shall report the minimum, maximum, and daily average values.

²BOD₅ 20°C=Biochemical oxygen demand

³mg/L=milligrams per liter; µg/L: microgram per liter; °F: degree Fahrenheit; MPN/100mL=most probable number per 100 milliliters; NTU= Nephelometric turbidity units

⁴If any constituent exceeds the limitations contained in Order No. R4-2009-0111, then the frequency of analysis shall increase to monthly for quarterly sampling or weekly for monthly within one week of knowledge of the test results until at least three consecutive test results have been obtained. After which if no constituents exceed the baseline, the frequency of analysis shall revert back to the minimum analysis frequency prescribed.

⁵Total nitrogen = nitrate-N + nitrite-N + ammonia-N + Organic Nitrogen

⁶UV disinfection unit will be used for disinfection. However, if chlorination is used in an emergency situation or special circumstance, the Discharger must monitor residual chlorine in the effluent after each application and weekly if continue more than one week and include the results in the reports.

⁷MBAS: Methylene blue active substances, CTAS: Cobalt thiocyanate active substances

⁸Semi-annual samples (1st and 3rd quarters).

⁹See Appendix A to 40 CFR, Part 423 for list of priority pollutants

2. The quarterly reports shall contain the following information:

- Average and maximum daily waste flow (effluent from wastewater treatment system) for each month of the quarter in gallons per day.
- Estimated population served during each month of the reporting period.
- Results of at least monthly observations in the disposal area for any over flow or surfacing of wastes.

3. In addition, the Discharger shall annually inspect the wastewater treatment system, including the disposal area, and submit an operation and maintenance report on the system. The information to be contained in the report shall include, at a minimum, the following:

- Results of annual inspection;
- The maintenance records for the wastewater treatment system;
- Type of maintenance (preventive or corrective action performed);
- Frequency of maintenance, if preventive;
- The periodic pumping schedule of the septic tank; and
- The name of the person responsible for the operation and maintenance of the facility.

C. GROUNDWATER MONITORING PROGRAM

The groundwater monitoring program for the Los Angeles County Fire Department Fire Camp 14 disposal system consists of a network of five monitoring wells (MW-4, MW-5, MW-6, MW-7, and MW-8) installed around the Fire Camp 14 WWTP and leachfields.

The following shall constitute the groundwater monitoring program, specified in Table 4:

Table 4. Groundwater Monitoring Program

Constituent	Units ¹	Type of Sample	Minimum Frequency ² of Analysis
pH	pH Units	grab	Quarterly
Total coliform	MPN/100mL	grab	Quarterly
Fecal coliform	MPN/100mL	grab	Quarterly
Enterococcus	MPN/100mL	grab	Quarterly
Oil and grease	mg/L	grab	Quarterly
Ammonia-N	mg/L	grab	Quarterly
Nitrate-N	mg/L	grab	Quarterly
Nitrite-N	mg/L	grab	Quarterly
Organic nitrogen	mg/L	grab	Quarterly
Total nitrogen ³	mg/L	grab	Quarterly
Total dissolved solids	mg/L	grab	Quarterly
Sulfate	mg/L	grab	Quarterly
Chloride	mg/L	grab	Quarterly
Boron	mg/L	grab	Quarterly
Residual chlorine ⁴	mg/L	grab	Quarterly
Phosphorus	mg/L	grab	Semi-annually ⁵

¹mg/L=milligrams per liter; MPN/100mL=most probable number per 100 milliliters

²If any constituent exceeds the water quality objectives, then the frequency of analysis shall increase to monthly until at least three consecutive test results have been obtained. After which if no constituents exceed the baseline, the frequency of analysis shall revert back to quarterly.

³Total nitrogen = nitrate-N + nitrite-N + ammonia-N + Organic Nitrogen

⁴UV disinfection unit will be used for disinfection. However, if chlorination is used in an emergency situation or special circumstance, the Discharger must monitor residual chloride in the groundwater wells and include the results in the reports.

⁵Semi-annual samples (1st and 3rd quarters).

All groundwater monitoring reports must include, at minimum, the following:

- Well identification, date and time of sampling;
- Sampler identification, and laboratory identification;
- Quarterly measurement of groundwater levels, recorded to 0.01 feet mean sea level;
- Groundwater contour map depicting the direction of groundwater flow across the subject tract; and

- e. Quarterly calculation of vertical separation of groundwater levels to the bottom of each septic disposal system.

D. WATER SUPPLY MONITORING

Water supply samples may be obtained at a single station, provided that station is representative of the water supply quality at the site.

The following shall constitute the water supply monitoring program, specified in Table 5:

Table 5. Water Supply Monitoring

Constituent	Units ¹	Type of Sample	Minimum Frequency of Analysis
Total coliform	MPN/100mL	grab	Quarterly
Fecal coliform	MPN/100mL	grab	Quarterly
Enterococcus	MPN/100mL	grab	Quarterly
Nitrate-N	mg/L	grab	Quarterly
Total dissolved solids	mg/L	grab	Quarterly
Sulfate	mg/L	grab	Quarterly
Chloride	mg/L	grab	Quarterly
Boron	mg/L	grab	Quarterly

¹mg/L=milligrams per liter; MPN/100mL=most probable number per 100 milliliters

V. WASTE HAULING REPORTING

In the event that waste sludge, septage, 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.

VI. OPERATION AND MAINTENANCE REPORT

The Discharger shall annually submit a technical report to the Executive Officer relative to the operation and maintenance program for the treatment disposal site at the Los Angeles County Fire Department – Fire Camp 14. The information to be contained in the report shall include the following:

- a. The name and address of the person or company responsible for the operation and maintenance of the facility;
- b. Type of maintenance (preventive or corrective action performed);
- c. Frequency of maintenance, if preventive;
- d. Periodic pumping out of the septic tanks;
- e. Maintenance record of leaching/disposal fields system; and
- f. Results of at least monthly observations in the disposal area for any overflow or surfacing of waste.

This operations and maintenance record shall be kept current and filed with the annual report due by January 30.

VII. MONITORING FREQUENCIES

Specifications in this monitoring program are subject to periodic revisions. Monitoring requirements may be modified or revised by the Executive Officer based on review of monitoring data submitted pursuant to this Order. Monitoring frequencies may be adjusted to a less frequent basis or parameters and locations dropped by the Executive Officer if the Discharger makes a request and the request is backed by statistical trends of monitoring data submitted.

VIII. ELECTRONIC SUBMITTAL OF INFORMATION

The Discharger shall comply with the Electronic Submittal of Information (ESI) requirements by submitting all reports required under the MRP, including discharge location data, and pdf monitoring reports to the State Water Resources Control Board GeoTracker database under Global ID WDR100001225.

IX. 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, was 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 _____ at _____.

_____(Signature)

_____(Title)"

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: Samuel Unger
Samuel Unger, PE
Executive Officer

Date: January 31, 2014



EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIGUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

Los Angeles Regional Water Quality Control Board

July 18, 2016

Mr. Tony Jimenez
Los Angeles County Fire Department
2300 East 27th Street
Signal Hill, CA 90755

CERTIFIED MAIL
RETURN RECEIPT REQUIRED
CLAIM NO. 7014 2120 0004 7561 8143

GENERAL WASTE DISCHARGE REQUIREMENTS FOR SMALL DOMESTIC WASTEWATER TREATMENT SYSTEMS – LOS ANGELES COUNTY FIRE DEPARTMENT, FIRE CAMP 19, 22550 EAST FORK ROAD, AZUSA, CALIFORNIA (STATE WATER BOARD ORDER NO. 2014-0153-DWQ, FILE NO. 16-062 SERIES NO. 018, CI NO. 10237, GLOBAL ID WDR100039445)

Dear Mr. Jimenez:

The California Regional Water Quality Control Board, Los Angeles Region (Regional Board), is the public agency with primary responsibility for the protection of ground and surface water quality for all beneficial uses of water within major portions of Los Angeles and Ventura Counties, including facility mentioned above.

We have completed our review of your application for Waste Discharge Requirements (WDR) for wastewater generated from the Los Angeles Fire Department Fire Camp 19 (facility), located at 2250 East Fork Road, Azusa, California. The facility is operated by the Los Angeles County Fire Department (hereinafter Discharger).

The Discharger is proposing to upgrade the existing wastewater treatment system to an advanced on-site wastewater treatment system (OWTS). The proposed advanced OWTS will consist of a 10,000-gallon grease interceptor, a 7,000-gallon equalization tank, a 10,000-gallon Trash Trap and Distribution tank, seven 7,500-gallon MicroSepTec EnviroServer (ES) systems, a 3,000-gallon dosing tank, and six (6) leachfields. Each MicroSepTec ES tank has a design treatment capacity of 2,500 gallons per day (gpd).

The Discharger estimates that the facility will discharge a maximum volume of 8,700 gallons per day (gpd) and will serve a population of approximately 116 people. The total wastewater discharged from the facility shall not exceed 8,700 gpd.

The water quality objectives for the Main San Gabriel Valley Groundwater Basin-Western area are 450 milligrams per liter (mg/L) for total dissolved solids (TDS), 100 mg/L for sulfate, 100 mg/L for chloride, and 0.5 mg/L for boron.

Regional Board staff have reviewed the information provided and have determined that the proposed discharge meets the conditions specified in the State Water Resources Control Board (State Water Board) Water Quality Order No. 2014-0153-DWQ, "General Waste Discharge Requirements for Small Domestic Wastewater Treatment Systems," adopted by the State Board on September 23, 2014.

Enclosed are your General Waste Discharge Requirements, consisting of State Water Board Order No. 2014-0153-DWQ, monitoring and reporting program (MRP) CI No. 10237, Standard Provisions Applicable to Waste Discharge Requirements. Please note that the discharge limits in Table 3-13 Water Quality Objectives (Main San Gabriel Valley Groundwater Basin-Western area) are applicable to your discharge. Should changes to the septic disposal system be needed, revised engineering drawings showing the change must be filed with the Regional Board a minimum of thirty days prior to the change. The Discharger must receive approval of such change before any change can be made.

In order to measure the advanced OWTS performance and compliance with water quality objectives, you are required to comply with the effluent limitations, effluent performance goals, and receiving groundwater limitations as specified below:

A. EFFLUENT LIMITATIONS

1. The discharge flow shall not exceed a maximum flow of 8,700 gpd.
2. The pH in the effluent shall at all times be from 6.5 to 8.5 pH units.
3. Effluent shall not contain constituents in excess of the following limits (see Table 1):

Table 1. Effluent Limitations

Constituent	Units ^[1]	7-Day Average	Monthly Average
BOD ₅ 20°C ^[2]	mg/L	45	30
Total suspended solids	mg/L	45	30

[1]mg/L=milligrams per liter

[2]BOD₅20°C=Biochemical oxygen demand

B. EFFLUENT PERFORMANCE GOALS

1. Based on the proposed advanced OWTS, the effluent shall not contain constituents in excess of the following performance goals (see Table 2):

Table 2. Effluent Performance Goals

Constituent	Units ^[1]	Effluent Performance Goals
Oil and grease	mg/L	15
Turbidity	NTU	10
Nitrate nitrogen	mg/L	10
Nitrite nitrogen	mg/L	1
Total Nitrogen ^[2]	mg/L	10
Total dissolved solids (TDS)	mg/L	450
Sulfate	mg/L	100
Chloride	mg/L	100
Boron	mg/L	0.5

[1]mg/L=milligrams per liter; NTU= Nephelometric turbidity units

[2]Total Nitrogen includes ammonia-nitrogen, organic nitrogen, nitrite-nitrogen and nitrate-nitrogen

C. GROUNDWATER LIMITATIONS

1. The discharged treated wastewater from the advanced OWTS shall not cause receiving groundwater to exceed the following limits (see Table 3):

Table 3. Receiving Groundwater Limitations

Constituent	Units ^[1]	Maximum Limitation
Nitrate nitrogen	mg/L	10
Nitrite nitrogen	mg/L	1
Total Nitrogen ^[2]	mg/L	10
Total dissolved solids (TDS)	mg/L	450
Sulfate	mg/L	100
Chloride	mg/L	100
Boron	mg/L	0.5
Total coliform	MPN/100mL	1.1
Fecal coliform	MPN/100mL	1.1
Enterococcus	MPN/100mL	1.1

[1]mg/L= milligrams per liter; MPN/100mL= most probable number (MPN) per 100 milliliters

[2]Total Nitrogen includes ammonia-nitrogen, organic nitrogen, nitrite-nitrogen and nitrate-nitrogen.

The Monitoring and Reporting Program CI No. 10237 requires you to implement the monitoring program on the effective date of coverage under State Water Board Order No. 2014-0153-DWQ. When submitting monitoring or technical reports to the Regional Board per these requirements, please do not combine other reports with your monitoring reports. Submit each type of report as a separate document.

The Discharger shall comply with the Electronic Submittal of Information (ESI) requirements by submitting all reports required under the MRP, including groundwater monitoring data, discharge location data, and pdf monitoring reports to the State Water Resources Control Board GeoTracker database under Global ID **WDR100039445**.

Please see Paperless Office Notice for GeoTracker Users, dated December 12, 2011 for further details at:

<http://www.waterboards.ca.gov/losangeles/resources/Paperless/Paperless%20Office%20for%20OGT%20Users.pdf>

To avoid paying future annual fees, please submit a written request for termination of your enrollment under the general permit in a separate letter if your facility is connected to a sewer and the permit is no longer needed. Be aware that the annual fee covers the fiscal year billing period beginning July 1 and ending June 30, the following year. You will pay the full annual fee if your request for termination is made after the beginning of the new fiscal year beginning July 1.

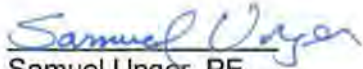
Mr. Tony Jimenez
Los Angeles Fire Department Fire Camp 19

-4-

July 18, 2016

If you have any questions, please contact the Project Manager, Ms. Mercedes Merino at (213) 620-6156 (Mercedes.Merino@waterboards.ca.gov), or the Chief of Groundwater Permitting Unit, Dr. Eric Wu at (213) 576-6683 (Eric.Wu@waterboards.ca.gov).

Sincerely,



Samuel Unger, PE
Executive Officer

Enclosures: State Board Water Quality Order No. 2014-0153-DWQ
Table 3-13 Water Quality Objectives
Standard Provisions Applicable to Waste Discharge Requirements
Monitoring and Reporting Program CI No. 10237

cc (via email): Ms. Michelle Tsiebos, County of Los Angeles Environmental Health
Ms. Crystal Munson, Los Angeles County, Department of Public Works



California Regional Water Quality Control Board

Los Angeles Region



Recipient of the 2001 *Environmental Leadership Award* from Keep California Beautiful

Linda S. Adams
Agency Secretary

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.waterboards.ca.gov/losangeles>

Arnold Schwarzenegger
Governor

February 18, 2010

Mr. Luis Ramirez
Los Angeles County Department of Public Works
900 South Fremont Avenue, 2nd floor
Alhambra, CA 91083

APPROVAL OF MATERIAL CHANGE AND GROUNDWATER MONITORING PROGRAM FOR GENERAL WASTE DISCHARGE REQUIREMENTS NO. 01-031 ENROLLMENT FOR FIRESTATION NO. 71, 28722 PACIFIC COAST HIGHWAY, MALIBU, CALIFORNIA (FILE NO. 02-144, ORDER NO. 01-031, CI 8472)

Dear Mr. Ramirez:

The California Regional Water Quality Control Board, Los Angeles Region (Regional Board), is the public agency with primary responsibility for the protection of ground and surface water quality for all beneficial uses of water within major portions of Los Angeles and Ventura Counties, including the referenced site.

On October 21, 2002, the Regional Board Executive Officer enrolled the Fire Station No. 71 (Permittee) under General Waste Discharge Requirements for Small Commercial and Multifamily Residential Subsurface Sewage Disposal (General WDRs, Order No. 01-031) and Monitoring and Reporting Program (No. CI-8472) to regulate the discharge of wastewater from the subject site, which is owned by Los Angeles County. The Permittee is allowed to discharge a maximum of 2,000 gallons per day (gpd) of treated wastewater into seepage pits after disinfection.

At our meeting on December 12, 2009, staff reviewed your proposal to add two new existing seepage pits, begin discharge to existing (but unused) seepage pits and demonstrate the protection of groundwater through the installation and monitoring of three new groundwater wells. These changes constitute a material change and the initiation of a groundwater monitoring program with the approval of the Executive Officer (MRP Section III). The groundwater monitoring program is contained in your Monitoring and Reporting Program No. CI-8472.

We have reviewed "Proposed Groundwater Monitoring Plan" (Plan) dated December 15, 2009, prepared by ERD Consultants for the subject site. Your application for a material change to the subject enrollment by the construction of two additional seepage pits and the installation of three groundwater monitoring wells with additional groundwater monitoring is approved as proposed in the Plan.

California Environmental Protection Agency

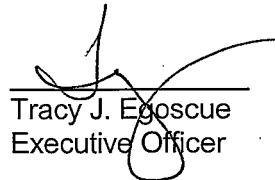


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Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

Please contact the project manager, Ms. Elizabeth Erickson at (213) 620-2264 or the Unit Chief, Dr. Rebecca Chou at (213) 620-6156, if you have any questions regarding this matter.

Sincerely,



Tracy J. Egoscue
Executive Officer

cc: Mr. Reza Izadi, County of Los Angeles, DPW
Mr. Tim Smith, County of Los Angeles, DPW
Mr. Craig George, City of Malibu
Mr. Keven Poffenbarger, EPD Consultants



RECEIVED
2009 DEC 23 PM 4 11

WATER
CONTROL BOARD
December 15, 2009

California Regional Water Quality Control Board
Attn: Ms. Elizabeth H. Erickson, Associate Engineering Geologist
320 W. 4th Street, Suite 200
Los Angeles, CA 90013
Tel: (213) 576-6683
Fax: (213) 576-6686

Re: Proposed Groundwater Monitoring Plan for 28722 Pacific Coast Highway, Malibu, CA 90265, File No. 02-114.

- Reference:**
- 1. Los Angeles County Department of Health Services: Private Sewage Disposal Permit, dated May 8, 2007.**
 - 2. EPD Consultants, Inc.: (a) Report of Waste discharge Application, dated August 17, 2006; (b) Limited Existing Onsite Wastewater System Engineering Feasibility Report dated March 20, 2009; (c) Percolation Test Report for a Seepage Pit Dispersal System, dated July 30, 2009; (d) Addendum I Engineering Feasibility Report for the Proposed Remodel Onsite Wastewater Dispersal System, dated July 31, 2009; (e) Groundwater Monitoring Plan, dated December 15, 2009.**
 - 3. RWQCB: (a) Waste Discharge Requirements for Small Commercial Subsurface Sewage Dispersal Systems – Fire Station No. 71, dated October 21, 2002 (File No. 02-114); (b) Monitoring and Reporting Program No. CI-8472 (File No. 02-114).**
 - 4. BOA Architecture: Architectural Site Plan, dated March 17, 2009.**
 - 5. GeoConcepts, Inc: Private Sewage Dispersal System Report, dated July 7, 2009.**

Dear Ms. Erickson:

Attached please find a proposed Groundwater Monitoring Plan for 28722 Pacific Coast Highway, Malibu, California (Reference 2(e)). The proposed three (3) Groundwater Monitoring Wells are situated such that there is one well hydraulically upgradient (MW-1) and two wells hydraulically downgradient (MW-2, MW-3) from the existing present and the proposed future seepage pits. The hydraulic gradient is assumed to be in the southeast direction. Based upon the GeoConcepts, Inc. July 7, 2009 Report (Reference 5), the test borings at the site are depicted on the Geologic Map and groundwater is estimated to be at 55 feet below ground surface. The wells are proposed to be drilled and developed to 10-feet below first water.

The proposed Groundwater Monitoring Plan is based upon Los Angeles County Department of Health Services Private Sewage Disposal Permit, dated May 8, 2007 (Reference 1) for an Enhanced Onsite Wastewater System with Seepage Pit Dispersal and the EPD Consultants, Inc. Addendum I Engineering Feasibility Report, dated July 31, 2009 (Reference 2((d))) for replacing the approved "Future Reserve" Seepage Pits.



According to the results of a meeting held at RWQCB offices on December 12, 2009, we are proposing three (3) Groundwater Monitoring Wells as depicted on the attached Groundwater Monitoring Plan, dated December 15, 2009 (Reference 2(e), Attachment 1). Additionally, it is proposed to modify the Monitoring and Reporting Program No. CI-8472 (Reference 3(b)) to include collection and provision of quarterly Effluent as well as Groundwater analytical results for those constituents listed in the Monitoring and Reporting Program.

Please review and provide any comments with respect to this proposed Groundwater Monitoring plan. Upon receipt of approval, the Groundwater Monitoring Wells will be installed within 60 days and the well installation report submitted within 30 days of that completion.

Respectfully submitted,
EPD Consultants, Inc.

Kevin Poffenbarger, PE
RCE 69089, Exp 6/30/10
Senior Project Engineer



Attachment: Groundwater Monitoring Plan, dated December 15, 2009.



California Regional Water Quality Control Board

Los Angeles Region

Recipient of the 2001 Environmental Leadership Award from Keep California Beautiful



Linda S. Adams
Agency Secretary

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640 • Internet Address: <http://www.waterboards.ca.gov/losangeles>

Arnold Schwarzenegger
Governor

GROUNDWATER PERMITTING AND LANDFILLS

FACSIMILE TRANSMITTAL SHEET

TO: Kevin Paffentarger	FROM: Rod Nelson
COMPANY: EPD	DATE: 2-9-07
FAX NUMBER: 310-241-6566	TOTAL NO. OF PAGES INCLUDING COVER 10
PHONE NUMBER:	SENDER'S TELEPHONE NUMBER: 213-620-6119
	SENDER'S FAX NUMBER:

☒ URGENT ☐ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REVIEW ☐ PLEASE RECYCLE

MESSAGE:

Order 01-031 and Monitoring & Reporting Program
No CI-8472 for Fire Station No. 71 dated
October 21, 2002.



Winston H. Hickox
Secretary for
Environmental
Protection

California Regional Water Quality Control Board Los Angeles Region

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Gray Davis
Governor

October 21, 2002

Mr. Reza Izadi
Los Angeles County
Department of Public Works
900 South Fremont Avenue, 2nd Floor
Alhambra, CA 91803

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7001 0360 0000 3649 6294

Dear Mr. Izadi:

GENERAL WASTE DISCHARGE REQUIREMENTS FOR SMALL COMMERCIAL AND MULTIFAMILY RESIDENTIAL SUBSURFACE SEWAGE DISPOSAL SYSTEMS - FIRE STATION NO. 71 AT 28722 PACIFIC COAST HIGHWAY, MALIBU, CALIFORNIA, (FILE NO. 02-114)

We have completed our review of your application for Waste Discharge Requirements for wastewater generated from Fire Station No. 71 to an on site septic disposal system.

Regional Board staff have reviewed the information provided and have determined that the proposed discharge meets the conditions specified in Order No. 01-031, "General Waste Discharge Requirements for Small Commercial and Multifamily Residential Subsurface Sewage Disposal Systems," adopted by this Regional Board on February 22, 2001. Refer to the attached Fact Sheet.

Enclosed are your Waste Discharge Requirements, consisting of Order No. 01-031, Monitoring and Reporting Program No. CI-8472 and Standard Provisions-Applicable to Waste Discharge Requirements. Please note that the discharge limits in Attachment A of this Order No. 01-031 are applicable to your discharge. Should changes to the septic disposal system be needed, revised engineering drawings showing the change must be filed with the Regional Board a minimum of thirty days prior to the change. The Discharger must receive approval of such change.

The "Monitoring and Reporting Program" requires you to implement the monitoring program on the effective date of coverage under this permit. All monitoring reports should be sent to the Regional Board, ATTN: Information Technology Unit. Please note that the Executive Officer may require you to develop and implement a groundwater monitoring program based on the results of the required surface water monitoring or technical information pertaining to your septic disposal system.

When submitting monitoring or technical reports to the Regional Board per these requirements, please include a reference to "Compliance File No. CI-8472", which will assure that the reports are directed to the appropriate file and staff. Also, please do not combine other reports with your monitoring reports. Submit each type of report as a separate document.

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption
For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/challenge.html>



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Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

Mr. Reza Izadi
Group 7-Fire Station No. 71

- 2 -

October 21, 2002

We are sending a copy of Order No. 01-031 only to the applicant. A copy of the Order will be furnished to anyone who requests it.

If you have any additional questions, please contact Dr. Kwangil Lee at (213) 620-2269 or Ms. Hoan Tang at (213) 620-6156.

Sincerely,



Dennis A. Dickerson
Executive Officer

Enclosures

cc: Mr. Gordon Innes, Division of Water Quality, State Water Resources Control Board
Mr. Michael Lauffer, Office of Chief Counsel, State Water Resources Control Board
Mr. Robert Sams, Office of Chief Counsel, State Water Resources Control Board
Mr. Richard Wagener, Los Angeles County, Department of Health Services
Mr. Victor Peterson, City of Malibu

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption
For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



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STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
320 West 4th Street, Suite 200, Los Angeles, California 90013

FACT SHEET
WASTE DISCHARGE REQUIREMENTS
FOR
LOS ANGELES COUNTY, DEPARTMENT OF PUBLIC WORKS
(FIRE STATION NO. 71)
28722 PACIFIC COAST HIGHWAY
MALIBU, CALIFORNIA

ORDER NO. 01-031
FILE NO. 02-114

FACILITY ADDRESS

28722 Pacific Coast Highway
Malibu, CA 90625

FACILITY MAILING ADDRESS

900 South Fremont Avenue, 2nd Fl.
Alhambra, CA 91803

PROJECT DESCRIPTION:

Fire Station No. 71 is located at 28722 Pacific Coast Highway. The fire station occupies a one-story building that regularly houses five firefighters. The station is equipped with a kitchen, sleeping quarters, and bathroom facilities including showers. The facility has two toilets, four sinks (1 kitchen, 2 bathroom, and 1 supply room sink), and four showers.

The septic system at the facility consists of three sanitary sewer tank manholes approximately 45 feet west of the fire station in a grassy area. These tanks allow sewage to flow north (down-gradient) to the leach field. The leach field is approximately 26.5 feet X 36.5 feet.

The groundwater elevation is estimated to be approximately 33 feet below the ground surface within silty to cobbly sand Terrace Deposits along the Pacific Coast Highway. The groundwater flow in the vicinity of the subject facility flows southwesterly or toward Walnut Canyon Wash. Locations farther to the east of the facility exhibit flow direction towards the ocean or southerly.

VOLUME AND DESCRIPTION OF DISCHARGE:

The estimated volume of discharge from Fire Station No. 71 (Latitude: 34°00'49.8", Longitude: 118°49'10") is approximately 350 gallons per day (gpd). The wastewater is composed of typical residential waste stream and shall be disposed of using the septic tank system.

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

**MONITORING AND REPORTING PROGRAM NO. CI-8472
FOR
LOS ANGELES COUNTY, DEPARTMENT OF PUBLIC WORKS
(FIRE STATION NO. 71)
28722 PACIFIC COAST HIGHWAY
SERIES NO. 022
(FILE NO. 02-114)**

I. REPORTING REQUIREMENTS

- A. The Discharger shall implement this monitoring program on the effective date of this enrollment (October 21, 2002) under Regional Board Order No. 01-031. The first monitoring report under this program, for October – December 2002, shall be received at the Regional Board by January 15, 2003.

Monitoring reports shall be received 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

- B. If there is no discharge during any reporting period, the report shall so state. Monitoring reports must be addressed to the Regional Board, Attention: Information Technology Unit.
- C. By January 30 of each year, the Discharger shall submit an annual summary report to the Regional Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous calendar 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.
- D. Laboratory analyses – all chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for such analyses by the California Department of Health Services Environmental Laboratory Accreditation Program (ELAP). The laboratory must meet the United States Environmental Protection Agency (USEPA) Quality Assurance/Quality Control (QA/QC) criteria. Pollutants shall be

October 21, 2002

analyzed using the methods described in 40 CFR 136.3, 136.4, and 136.5; or where no methods are specified for a given pollutant, methods approved by the Regional Board shall be utilized.

- E. The method limits (MLs) employed for effluent analyses shall be lower than the permit limits established for a given parameter, unless the Discharger can demonstrate that a particular ML is not attainable and obtains approval for a higher ML from the Executive Officer. At least once a year, the Discharger shall submit a list of the analytical methods employed for each test and the associated laboratory QA/QC procedures.
- F. Each monitoring report must affirm in writing that "All analyses were conducted at a laboratory certified for such analyses by the California Department of Health Services, and in accordance with current USEPA guideline procedures or as specified in this Monitoring Program." Proper chain of custody procedures must be followed and a copy of the chain of custody shall be submitted with the report.
- G. For every item where the requirements are not met, the Discharger shall submit a statement of the cause(s), and actions undertaken or proposed which will bring the discharge into full compliance with waste discharge requirements at the earliest possible time, including a timetable for implementation of those actions.
- H. 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 Regional Board.
- I. 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 the requirements and, where applicable, shall include results of receiving water observations.
- J. Any mitigation/remedial activity including any pre-discharge treatment conducted at the site must be reported in the quarterly monitoring report.

II. SEPTIC TANK AND DISPOSAL SYSTEM MONITORING REQUIREMENTS

The quarterly reports shall contain the following information:

1. Average and maximum daily waste flow and average water usage rate for each month of the quarter, in gallons per day.
2. Estimated population served during each month of the reporting period.
3. Results of at least monthly observations in the disposal area for any over flow or surfacing of wastes.

In addition, the Discharger shall annually submit an operation and maintenance report on the septic systems. The information to be contained in the report shall include, at a minimum, the following:

1. The name and address of the person or company responsible for the operation and maintenance of the facility;
2. Type of maintenance (preventive or corrective action performed);
3. Frequency of maintenance, if preventive;
4. Periodic pumping out of each septic tank; and
5. Maintenance records of each septic disposal system.

III. GROUNDWATER MONITORING PROGRAM

A groundwater monitoring program will not be required at this time. In the future, the Executive Officer may determine that a groundwater monitoring program is needed to fully evaluate the impact from your wastewater discharge on groundwater. If this determination is made, the Discharger must submit a groundwater monitoring plan to this Regional Board within 45 days of the notification. The groundwater monitoring plan submitted shall be subject to the Executive Officer's approval prior to implementation. The groundwater monitoring wells must be installed in such a way so as to fully assess the background groundwater quality and the downgradient groundwater quality. The plan shall include the exact location of the proposed wells, depths, construction of wells, schedule for the installation and proposed sampling of the wells.

Upon obtaining Executive Officer's approval of an adequate groundwater monitoring network plan, construction and development of the proposed wells shall be completed within 60 days in accordance with the standards in Bulletins 74-81 and 74-90 of California Department of Water Resources. Within 30 days after installation of monitoring wells, a well installation report including a scaled plot plan, soil boring logs, water quality data, well permits and as-built well construction diagrams shall be submitted to this Board. This groundwater monitoring schedule may be subject to revision after completion of the first

year of baseline water quality monitoring.

The monitoring program 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^[1]</u>
pH	pH Units	grab	quarterly
Total coliform	MPN/100mL	grab	quarterly
Fecal coliform	MPN/100mL	grab	quarterly
Enterococcus	MPN/100mL	grab	quarterly
Ammonia-N	mg/L	grab	quarterly
Nitrate-N	mg/L	grab	quarterly
Nitrite-N	mg/L	grab	quarterly
Organic nitrogen	mg/L	grab	quarterly
Total nitrogen	mg/L	grab	quarterly
Total dissolved solids	mg/L	grab	quarterly
Boron	mg/L	grab	quarterly
Chloride	mg/L	grab	quarterly
Sulfate	mg/L	grab	quarterly
Phosphorus	mg/L	grab	quarterly

[1] If any constituent exceeds the baseline water quality data, then the frequency of analyses shall increase to monthly until at least three test results have been obtained. After which, if no more constituents exceed the baseline, the frequency of analyses shall revert back to quarterly.

* MPN/100mL: Most Probable Number per 100 milliliter; mg/L: milligrams per liter

All groundwater monitoring reports must include, at minimum, the following:

- Well identification, date and time of sampling;
- Sampler identification, and laboratory identification;
- Monthly measurement of groundwater levels, recorded to 0.01 feet mean sea level;
- Groundwater contour map depicting the hydraulic gradient and direction of groundwater flow across the subject tract; and
- Monthly calculation of vertical separation of groundwater levels to bottom of each septic disposal system (leach field and/or seepage pit).

IV. WASTE HAULING REPORTING

In the event that waste sludge, septage, 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.

V. MONITORING FREQUENCIES

Specifications in this monitoring program are subject to periodic revisions. Monitoring requirements may be modified or revised by the Executive Officer based on review of monitoring data submitted pursuant to this Order. Monitoring frequencies may be adjusted to a less frequent basis or parameters and locations dropped by the Executive Officer if the Discharger makes a request and the request is backed by statistical trends of monitoring data submitted.

VI. 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, was 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 _____ at _____.

(Signature)

(Title)"

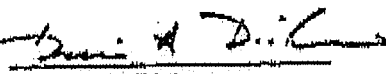
Fire Station #71

Monitoring and Reporting Program No. CI-8472

File No. 02-114

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
Executive Officer

Date: October 21, 2002

ATTACHMENT B

STATE WATER RESOURCES CONTROL BOARD (SWRCB)

STANDARD PROVISIONS AND REPORTING FOR WASTE DISCHARGE REQUIREMENTS

A. General Provisions

1. Duty to Mitigate

The discharger shall take all reasonable steps to minimize or prevent any discharge in violation of this Order which has a reasonable likelihood of adversely affecting human health or the environment, including such accelerated or additional monitoring as requested by the appropriate Regional Water Quality Control Board (RWQCB) or Executive Officer to determine the nature and impact of the violation.

2. Duty to Comply

The discharger must comply with all conditions of these waste discharge requirements. Violations may result in enforcement actions, including Regional Board orders or court orders requiring corrective action or imposing civil monetary liability, or in modification or revocation of these waste discharge requirements by the Regional Board. [California Water Code (CWC) Sections 13261, 13263, 13265, 13268, 13300, 13301, 13304, and 13350]

3. Change in Ownership

The discharger must notify the Executive Officer, 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 discharger containing a specific date for the transfer of this Order's responsibility and coverage between the current discharger and the new discharger. This agreement shall include an acknowledgment that the existing discharger is liable for violations up to the transfer date and that the new discharger is liable from the transfer date on. [CWC 13267 and 132631]

4. Termination

Where the discharger becomes aware that it failed to submit any relevant facts in a Report of Waste Discharge or submitted incorrect information in a Report of Waste Discharge or in any report submitted the Regional Board, it shall promptly submit such facts or information. [CWC 13260 and 13267]

5. Hazardous Releases

Except for a discharge which is in compliance with these waste discharge requirements, any person who, without regard to intent or negligence, causes or permits any hazardous substance or sewage to be discharged in or on any waters of the State, or discharged or deposited where it is, or probably will be, discharged in or on any waters of the State, shall, as soon as (a) that person has knowledge of the discharge, (b) notification is possible, and (c) notification can be provided without substantially impeding cleanup or other emergency

STANDARD PROVISIONS AND REPORTING

measures, immediately notify the Office of Emergency Services of the discharge in accordance with the spill reporting provision of the State toxic disaster contingency plan adopted pursuant to Article 3.7 (commencing with Section 8574.7) of Chapter 7 of Division 1 of Title 2 of the Government Code, and immediately notify the State Board or the appropriate Regional Board of the discharge. This provision does not require reporting of any discharge of less than a reportable quantity as provided for under subdivisions (f) and (g) of Section 13271 of the Water Code unless the discharger is in violation of a prohibition in the applicable Water Quality Control Plan (Basin Plan). [CWC 13271 (a)]

6. Treatment Failure

In an enforcement action, it shall not be a defense for the discharger that it would have been necessary to halt or to reduce the permitted activity in order to maintain compliance with this Order. Upon reduction, loss, or failure of the treatment facility, the discharger shall, to the extent necessary to maintain compliance with this Order, control production or all discharges, or both, until the facility is restored or an alternative method of treatment is provided. This provision applies, for example, when the primary source of power of the treatment facility fails, is reduced, or is lost. [CWC 13263 (f)]

7. Endangerment of Health and Environment

The discharger shall report any noncompliance that may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the discharger becomes aware of the circumstances. A written submission shall also be provided within five days of the time the discharger becomes aware of the circumstances. The written submission shall contain (1) a description of the noncompliance and its cause, (2) the period of noncompliance, including exact dates and times; (3) if the noncompliance has not been corrected, the anticipated time it is expected to continue; and (4) the steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. The appropriate RWQCB Executive Officer or an authorized representative may waive the written report on a case-by-case basis if the oral report has been received within 24 hours. The following shall be included as information that must be reported within 24 hours:

- (1) Any bypass from any portion of the treatment facility.
- (2) Any discharge of treated or untreated wastewater resulting from sewer line breaks, obstruction, surcharge or any other circumstances.
- (3) Any treatment plant upset which causes the effluent limitation of this Order to be exceeded.

(CWC 13263 and 13267)

8. Operator Certification

Supervisors and operators of municipal wastewater treatment plants and privately owned facilities regulated by the PUC, used in the treatment or reclamation of sewage and industrial waste shall possess a certificate of appropriate grade in accordance with Title 23, California Code of Regulations Section 3680. State Boards may accept experience in lieu of qualification training. In lieu of a properly certified wastewater treatment plant operator, the State Board may

STANDARD PROVISIONS AND REPORTING

approve use of a waste treatment plant operator of appropriate grade certified by the State Department of Health Services where reclamation is involved.

Each plant shall be operated and maintained in accordance with the operation and maintenance manual prepared by the municipality through the Clean Water Grant Program. [CWC Title 23, Section 2233(d)]

B. Monitoring and Reporting Requirements

1. Monitoring and Records [Title 23, (California Code of Regulations (CCR), Div. 3, Chapter 14.]

- a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
- b. Records of monitoring information shall include:
 - (1) The date, exact place, and time of sampling or measurements;
 - (2) The individual(s) who performed the sampling or measurements;
 - (3) The date(s) analyses were performed;
 - (4) The individual(s) who performed the analysis;
 - (5) The analytical techniques or methods used; and
 - (6) The results of such analyses.
- c. Monitoring results must be conducted according to test procedures under 40 CFR Part 136 or, in the case of sludge use or disposal, approved under 40 CFR Part 136 unless otherwise specified in 40 CFR Part 503 or unless other test procedures have been specified in this permit.

2. Signatory Requirements [40 CFR 122.41(k)][40 CFR 122.22]

- a. All application reports or information to be submitted to the RWQCB Executive Officer shall be signed and certified as follows:
 - (1) For a corporation: by a principal executive officer or at least the level of vice president;
 - (2) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
 - (3) For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this provision, a principal executive officer of a Federal agency includes: the chief executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of U. S. EPA).

STANDARD PROVISIONS AND REPORTING

- b. All reports required by this Order and other information requested by the RWQCB, or SWRCB shall be signed by a person described in paragraph (a) of this provision or by a duly authorized representative of that person. A person is a duly authorized representative only if:

- (1) The authorization is made in writing by a person described in paragraph (a) of this provision;
- (2) The authorization specified either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company (a duly authorized representative may thus be either a named individual or any individual occupying a named position) and,
- (3) The written authorization is submitted to the RWQCB Executive Officer.

- c. If an authorization under paragraph (b) of this provision is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of paragraph (b) of this provision must be submitted to the RWQCB Executive Officer prior to or together with any reports, information, or applications, to be signed by an authorized representative.

- d. Any person signing a document under paragraph (a) or (b) of this provision shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate 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 fine and imprisonment for knowing violations."

(CWC 13263, 13267, and 13268]

3. Monitoring Reports

- a. Monitoring results shall be reported at the intervals specified in the permit.
- b. Monitoring results must be reported on a Discharge Monitoring Report (DMR) form or forms approved by the RWQCB or SWRCB for reporting results of monitoring of pollutants and sludge use or disposal practices.
- c. Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in this permit.

STANDARD PROVISIONS AND REPORTING

4. Planned Changes

The discharger shall file with the appropriate RWQCB a report of waste discharge at least 120 days before making any material change or proposed change in the character, location or volume of the discharge.

5. Compliance Schedules

Reports of compliance or noncompliance with interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date. If reporting noncompliance, the report shall include a description of the reason for failure to comply, a description and schedule of tasks necessary to achieve compliance and an estimated date for achieving full compliance. A final report shall be submitted within ten working days of achieving full compliance, documenting full compliance.

6. Other Noncompliance

The discharger shall report all instances of noncompliance not reported under Provisions (8.3), (BA), and (B.5) at the time monitoring reports are submitted. The reports shall contain the information listed in Provision (B.5).

7. Other Information

When the discharger becomes aware that it failed to submit any relevant facts in a permit application or submitted incorrect information in a permit application, or in any report to the RWQCB, the discharger shall promptly submit such facts or information.

8. False Reporting

Any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this Order, including monitoring reports or reports of compliance or noncompliance shall be subject to enforcement procedures as identified in the Order and/or in these Standard Provisions.

9. Anticipated Noncompliance

The discharger shall give advance notice to the RWQCB of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

C. Enforcement Provisions

1. The provisions in this enforcement section shall not act as a limitation on the statutory or regulatory authority of the appropriate RWQCB or SWRCB.
2. Any violation of this Order constitutes violation of the California Water Code and regulations adopted thereunder, and is basis for enforcement action, permit termination, permit revocation and reissuance, denial of an application for permit reissuance or a combination thereof.
3. The appropriate RWQCB may impose administrative civil liability, may refer a discharger to the State Attorney General to seek civil monetary penalties may

STANDARD PROVISIONS AND REPORTING

seek injunctive relief, or take other appropriate enforcement action as provided in the California Water Code or federal law for violation of SWRCB or RWQCB orders.

4. It shall not be a defense for a discharger in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Order.



Winston H. Hickox
Secretary for
Environmental
Protection

California Regional Water Quality Control Board

Los Angeles Region

Over 50 Years Serving Coastal Los Angeles and Ventura Counties
Recipient of the 2001 *Environmental Leadership Award* from Keep California Beautiful

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.swrcb.ca.gov/rwqcb4>



Gray Davis
Governor

December 6, 2002

Mr. Reza Izadi
Los Angeles County
Department of Public Works
900 South Fremont Avenue, 2nd Floor
Alhambra, CA 91803

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7001 0360 0000 3649 5907

Dear Mr. Izadi:

GENERAL WASTE DISCHARGE REQUIREMENTS FOR SMALL COMMERCIAL AND MULTIFAMILY RESIDENTIAL SUBSURFACE SEWAGE DISPOSAL SYSTEMS – FIRE STATION NO. 99 AT 32550 PACIFIC COAST HIGHWAY, MALIBU, CALIFORNIA (FILE NO. 02- 146)

We have completed our review of your application for Waste Discharge Requirements for wastewater generated from Fire Station No. 99 to an on-site septic disposal system.

Regional Board staff have reviewed the information provided and have determined that the proposed discharge meets the conditions specified in Order No. 01-031, "*General Waste Discharge Requirements for Small Commercial and Multifamily Residential Subsurface Sewage Disposal Systems*," adopted by this Regional Board on February 22, 2001. Refer to the attached Fact Sheet.

Enclosed are your Waste Discharge Requirements, consisting of Order No. 01-031, Monitoring and Reporting Program No. CI-8487 and Standard Provisions-Applicable to Waste Discharge Requirements. Please note that the discharge limits in Attachment A of this Order No. 01-031 are applicable to your discharge. Should changes to the septic disposal system be needed, revised engineering drawings showing the change must be filed with the Regional Board a minimum of thirty days prior to the change. The Discharger must receive approval of such change.

The "Monitoring and Reporting Program" requires you to implement the monitoring program on the effective date of coverage under this permit. All monitoring reports should be sent to the Regional Board, ATTN: Information Technology Unit. Please note that the Executive Officer may require you to develop and implement a groundwater monitoring program based on the results of the technical information pertaining to your septic disposal system.

When submitting monitoring or technical reports to the Regional Board per these requirements, please include a reference to "Compliance File No. CI-8487", which will assure that the reports are directed to the appropriate file and staff. Also, please do not combine other reports with your monitoring reports. Submit each type of report as a separate document.

We are sending a copy of Order No. 01-031 only to the applicant. A copy of the Order will be furnished to anyone who requests it.

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption
For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



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Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

Mr. Reza Izadi
Fire Station No. 99

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December 6, 2002

If you have any additional questions, please contact Dr. Kwangil Lee at (213) 620-2269 or Ms. Hoan Tang at (213) 620-6156.

Sincerely,



Dennis A. Dickerson
Executive Officer

Enclosures

cc: Mr. Gordon Innes, Division of Water Quality, State Water Resources Control Board
Mr. Michael Lauffer, Office of Chief Counsel, State Water Resources Control Board
Mr. Robert Sams, Office of Chief Counsel, State Water Resources Control Board
Mr. Richard Wagener, Department of Health Services, County of Los Angeles
Mr. Victor Peterson, City of Malibu

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**STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
320 West 4th Street, Suite 200, Los Angeles, California 90013**

**FACT SHEET
WASTE DISCHARGE REQUIREMENTS
FOR
DEPARTMENT OF PUBLIC WORKS
FIRE STATION NO. 99
32550 PACIFIC COAST HIGHWAY**

**ORDER NO. 01- 031
FILE NO. 02- 146**

FACILITY ADDRESS

32550 Pacific Coast Highway
Malibu, CA 90265

FACILITY MAILING ADDRESS

900 South Fremont Avenue, 2nd Fl.
Alhambra, CA 91803

PROJECT DESCRIPTION:

The Los Angeles County, Department of Public Works owns and operates Fire Station No. 99, located at 32550 Pacific Coast Highway in the City of Malibu. The fire station occupies a one-story building that regularly houses five firefighters who typically work consecutive 24-hour workday shifts. The station is equipped with a kitchen, sleeping quarters, and bathroom facilities including showers.

The septic system at the facility consists of a 2,000-gallon septic tank located south of the fire station. Wastewater flows from the septic tank to a distribution box, which allows flow to three seepage pits located on the property. The discharge volume for the facility is estimated to be 350 gallons per day (gpd).

The groundwater elevation is estimated to be approximately 50 feet below ground surface (120 feet above mean sea level) within clayey and silty sand Terrace Deposits along the Pacific Coast Highway. Vertical separation of the wastewater discharge point from the groundwater table is 33.5 feet. The regional groundwater flow is generally south toward the ocean. Groundwater flow in the vicinity of the subject facility is estimated to flow southwesterly or toward the Encinal Canyon Wash.

The facility's septic system is not located within 250 feet of any blue line stream or water body. There are no water wells or groundwater monitoring wells present in the vicinity of the facility.

VOLUME AND DESCRIPTION OF DISCHARGE:

Fire Station No. 99, (Latitude: 34°02'23", Longitude: 118°53'01.2") is estimated to discharge 350 gallons per day (gpd) into the septic tank system. The wastewater is composed of typical residential wastewater.

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

**MONITORING AND REPORTING PROGRAM NO. CI-8487
FOR
COUNTY OF LOS ANGELES, DEPARTMENT OF PUBLIC WORKS
FIRE STATION NO. 99
32550 PACIFIC COAST HIGHWAY
ENROLLMENT UNDER REGIONAL BOARD ORDER NO. 01-031
SERIES NO. 028
(FILE NO. 02-146)**

I. REPORTING REQUIREMENTS

- A. The Discharger shall implement this monitoring program on the effective date of this enrollment (December 6, 2002) under Regional Board Order No. 01-031. The first monitoring report under this program, for January- March 2003, shall be received at the Regional Board by April 15, 2003.

Monitoring reports shall be received 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

- B. If there is no discharge, during any reporting period, the report shall so state. Monitoring reports must be addressed to the Regional Board, Attention: Information Technology Unit.
- C. By January 30 of each year, the Discharger shall submit an annual summary report to the Regional Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous calendar 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.
- D. Laboratory analyses – all chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for such analyses by the California Department of Health Services Environmental Laboratory Accreditation Program (ELAP). The laboratory must meet the United States Environmental Protection Agency (USEPA) Quality Assurance/Quality Control (QA/QC) criteria. Pollutants shall be analyzed using the methods described in 40 CFR 136.3, 136.4, and 136.5; or

December 6, 2002

where no methods are specified for a given pollutant, methods approved by the Regional Board shall be utilized.

- E. The method limits (MLs) employed for effluent analyses shall be lower than the permit limits established for a given parameter, unless the Discharger can demonstrate that a particular ML is not attainable and obtains approval for a higher ML from the Executive Officer. At least once a year, the Discharger shall submit a list of the analytical methods employed for each test and the associated laboratory QA/QC procedures.
- F. Each monitoring report must affirm in writing that "All analyses were conducted at a laboratory certified for such analyses by the California Department of Health Services, and in accordance with current USEPA guideline procedures or as specified in this Monitoring Program." Proper chain of custody procedures must be followed and a copy of the chain of custody shall be submitted with the report.
- G. For every item where the requirements are not met, the Discharger shall submit a statement of the cause(s), and actions undertaken or proposed which will bring the discharge into full compliance with waste discharge requirements at the earliest possible time, including a timetable for implementation of those actions.
- H. 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 Regional Board.
- I. 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 the requirements and, where applicable, shall include results of receiving water observations.
- J. Any mitigation/remedial activity including any pre-discharge treatment conducted at the site must be reported in the quarterly monitoring report.

II. SEPTIC TANK AND DISPOSAL SYSTEM MONITORING REQUIREMENTS

The quarterly reports shall contain the following information:

- 1. Average and maximum daily waste flow and average water usage rate for each month of the quarter, in gallons per day.

2. Estimated population served during each month of the reporting period.
3. Results of at least monthly observations in the disposal area for any over flow or surfacing of wastes.

In addition, the Discharger shall annually submit an operation and maintenance report on the septic systems. The information to be contained in the report shall include, at a minimum, the following:

1. The name and address of the person or company responsible for the operation and maintenance of the facility;
2. Type of maintenance (preventive or corrective action performed);
3. Frequency of maintenance, if preventive;
4. Periodic pumping out of each septic tank; and
5. Maintenance records of each septic disposal system.

III. GROUNDWATER MONITORING PROGRAM

A groundwater monitoring program will not be required at this time. In the future, the Executive Officer may determine that a groundwater monitoring program is needed to fully evaluate the impact from your wastewater discharge on groundwater. If this determination is made, the Discharger must submit a groundwater monitoring plan to this Regional Board within 45 days of the notification. The groundwater monitoring plan submitted shall be subject to the Executive Officer's approval prior to implementation. The groundwater monitoring wells must be installed in such a way so as to fully assess the background groundwater quality and the downgradient groundwater quality. The plan shall include the exact location of the proposed wells, depths, construction of wells, schedule for the installation and proposed sampling of the wells.

Upon obtaining Executive Officer's approval of an adequate groundwater monitoring network plan, construction and development of the proposed wells shall be completed within 60 days in accordance with the standards in Bulletins 74-81 and 74-90 of California Department of Water Resources. Within 30 days after installation of monitoring wells, a well installation report including a scaled plot plan, soil boring logs, water quality data, well permits and as-built well construction diagrams shall be submitted to this Board. This groundwater monitoring schedule may be subject to revision after completion of the first year of baseline water quality monitoring.

The monitoring program 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^[1]</u>
pH	pH Units	grab	quarterly
Total coliform	MPN/100mL	grab	quarterly
Fecal coliform	MPN/100mL	grab	quarterly
Enterococcus	MPN/100mL	grab	quarterly
Ammonia-N	mg/L	grab	quarterly
Nitrate-N	mg/L	grab	quarterly
Nitrite-N	mg/L	grab	quarterly
Organic nitrogen	mg/L	grab	quarterly
Total nitrogen	mg/L	grab	quarterly
Total dissolved solids	mg/L	grab	quarterly
Boron	mg/L	grab	quarterly
Chloride	mg/L	grab	quarterly
Sulfate	mg/L	grab	quarterly
Phosphorus	mg/L	grab	quarterly

[1] If any constituent exceeds the baseline water quality data, then the frequency of analyses shall increase to monthly until at least three test results have been obtained. After which, if no constituents exceed the baseline, the frequency of analyses shall revert back to quarterly.

* MPN/100mL: Most Probable Number per 100 milliliter; mg/L: milligrams per liter

All groundwater monitoring reports must include, at minimum, the following:

- Well identification, date and time of sampling;
- Sampler identification, and laboratory identification;
- Monthly measurement of groundwater levels, recorded to 0.01 feet mean sea level;
- Groundwater contour map depicting the hydraulic gradient and direction of groundwater flow across the subject tract; and
- Monthly calculation of vertical separation of groundwater levels to bottom of each septic disposal system (leach field and /or seepage pit).

IV. WASTE HAULING REPORTING

In the event that waste sludge, septage, 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.

V. MONITORING FREQUENCIES

Specifications in this monitoring program are subject to periodic revisions. Monitoring requirements may be modified or revised by the Executive Officer based on review of monitoring data submitted pursuant to this Order. Monitoring frequencies may be adjusted to a less frequent basis or parameters and locations dropped by the Executive Officer if the Discharger makes a request and the request is backed by statistical trends of monitoring data submitted.

VI. 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, was 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 _____ at _____.

_____(Signature)

_____(Title)"

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
Executive Officer

Date: December 6, 2002