

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

**MONITORING AND REPORTING PROGRAM NO. CI-8861
FOR
LAKE ELIZABETH PROPERTIES, LLC
(Lake Elizabeth Golf and Ranch Club)
42505 RANCH CLUB ROAD
LAKE ELIZABETH, CALIFORNIA**

**ENROLLMENT UNDER REGIONAL BOARD
ORDER NO. 01-031 (Series No. 064)
FILE NO. 03-059**

I. REPORTING REQUIREMENTS

- A. Lake Elizabeth Properties, LLC (hereafter Discharger) shall implement this monitoring program on the effective date of this enrollment (February 28, 2005) under Regional Board Order No. 01-031. The first monitoring report under this program, for April–June 2005, shall be received at the Regional Board by July 15, 2005.

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, beginning January 30, 2006, 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 explain 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 (WDRs).
- D. Laboratory analyses – all chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for such analyses by the California Department

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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; 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 Regional Board Executive Officer (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 upon request of the Regional Board.
- 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. 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 WDRs, as well as all excursions of effluent limitations.
- 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 for each month of the quarter, in gallons per day. In the absence of a flow meter, a water bill can be used to estimate the flow discharge.
2. Estimated population served during each month of the reporting period.
3. Number of recreational vehicles connected to the disposal system during each month of the reporting period.
4. 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 portable toilet; and
5. Maintenance records of each septic disposal system (including a legal discharge facility by a septic waste pumping company).

III. WATER QUALITY MONITORING REQUIREMENTS

A. Septic Tank Effluent Monitoring at the Recreational Vehicle (RV) Area

An effluent sampling station(s) shall be established at a location(s) where representative samples of wastewater effluent from the 15,000-gallon septic tank (RV servicing tank) can be obtained prior to discharge to the leach lines. Effluent sample may be obtained at a single station, provided that station is representative of the quality at the discharge point. This sampling station shall remain the same, and any proposed change of sampling location shall be identified and approved by the Executive Officer prior to its use. The following shall constitute the effluent monitoring program:

<u>Constituents</u>	<u>Units</u> ¹	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
Total waste flow ²	gal/day	---	Monthly
pH	pH Units	grab	Monthly
Biochemical Oxygen Demand ₅	mg/L	grab	Quarterly
Chemical Oxygen Demand	mg/L	grab	Quarterly
Residual Chlorine	mg/L	grab	Quarterly
Oil and grease	mg/L	grab	Quarterly
Formaldehyde	µg/L	grab	Quarterly
<u>Volatile Organics (VOCs)</u>	<u>µg/L</u>	<u>grab</u>	<u>Quarterly</u>

¹ mg/L: milligram per liter; µg/L: microgram per liter

² The Discharger shall report the monthly minimum, maximum and average values

B. GROUNDWATER MONITORING PROGRAM

A groundwater-monitoring program shall be designed to detect and evaluate impacts from wastewater discharges from the septic disposal systems. A groundwater monitoring network plan must be submitted to this Regional Board within 45 days from the effective date of this Order and is 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> ¹	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u> ²
Total coliform	MPN/100mL	grab	Quarterly
Fecal coliform	MPN/100mL	grab	Quarterly
Enterococcus	MPN/100mL	grab	Quarterly
Ammonia-N ³	mg/L	grab	Quarterly
Nitrate-N ³	mg/L	grab	Quarterly
Nitrite-N ³	mg/L	grab	Quarterly
Organic nitrogen ³	mg/L	grab	Quarterly
Formaldehyde	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
VOCs	µg/L	grab	Semi-annually

¹ MPN/100mL: Most Probable Number per milliliter; mg/L: milligram per liter, µg/L: microgram per liter.

² 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 and there is no more exceeding constituent, after which the frequency of analyses shall revert to quarterly.

³ Samples of the nitrogen series (nitrate, nitrite, ammonia-N, and organic nitrogen) shall be collected at the same time.

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

- a. Well identification, date and time of sampling;
- b. Sampler identification, and laboratory identification;
- c. Quarterly observation of groundwater levels, recorded to 0.01 feet mean sea level;
- d. Groundwater contour map depicting the hydraulic gradient and direction of groundwater flow across the subject tract; and
- e. 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 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: _____
Jonathan S. Bishop
Executive Officer

Date: February 28, 2005