

ATTACHMENT C

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

MONITORING AND REPORTING PROGRAM FOR REGIONAL BOARD ORDER NO. R4-2004-0146 GENERAL WASTE DISCHARGE REQUIREMENTS FOR RESIDENTIAL ONSITE WASTEWATER TREATMENT SYSTEMS

A. Operation and Maintenance Program

Medium and high-risk dischargers identified in parts A.3.b. and A.3.c. of Regional Board Order No. R4-2004-0146 shall submit an operation and maintenance program to the Regional Board not later than 90 days after enrollment under the Order and receipt of WDRs.

1. The operation and maintenance program shall include, at a minimum, the following:
 - a. The name, address and telephone number of the person or company responsible for the operation and maintenance of the onsite wastewater treatment system¹,
 - b. Planned frequency of preventative maintenance, including
 1. Inspection and periodic pumping out of the septic tank,
 2. Inspection and maintenance of subsurface disposal system, and
 3. Inspection and maintenance of any advanced treatment components, and
 - c. Corrective action plan for any signs of failure detected during inspection of septic tank, subsurface disposal system, or advanced treatment components.
2. Septic tanks shall be inspected annually for sludge depth and scum thickness in each component of each septic tank, distance between bottom of scum layer and bottom of outlet device, and distance between top of sludge layer and bottom of outlet device.
3. Septic tanks shall be pumped when any one of the following conditions exist or may occur before the next inspection:
 - a. The combined thickness of sludge and scum exceeds one-third of the tank depth of the first compartment, or
 - b. The scum layer is within three inches of the outlet device, or,
 - c. The sludge layer is within eight inches of the outlet device.

In the event that wastes are hauled offsite, the name and address of the hauler shall be

¹ A responsible management agency (RME) may be responsible for operation and maintenance functions, as well as monitoring requirements for high-risk discharges, for a privately owned onsite wastewater treatment system. In such cases, the owner of the onsite wastewater treatment system and the RME must be listed on the permit as responsible entities.

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.

4. Subsurface disposal systems shall be subject to an annual visual inspection for signs of failure. Signs to look for include:
 - a. Odors of sewage origin,
 - b. Indication of surfacing wastewater,
 - c. Abnormal settling or erosion,
 - d. Excessive vegetation in disposal area,
 - e. Ponding of wastewater in the disposal area, and
 - f. Excessive vegetation or algae growth in nearby surface waters.

If the subsurface disposal system has inspection pipes or a distribution box, they shall be inspected as well.

5. For alternative onsite wastewater treatment systems, the discharger shall submit a plan for the inspection and maintenance of advanced treatment components.
6. The discharger shall keep current and submit to the Regional Board an operation and maintenance report every year.

B. Monitoring Program

High-risk dischargers identified in part A.3.c. of Regional Board Order No, R4-2004-0146 shall submit a monitoring program to the Regional Board not later than 90 days after enrollment under the Order and receipt of WDRs.

1. A monitoring plan shall be subject to the Regional Board Executive Officer's (Executive Officer) approval prior to implementation.
2. Discharges characterized as high-risk based on a groundwater quality concern shall submit a groundwater monitoring program. A groundwater monitoring program shall include the following:
 - a. The groundwater monitoring wells must be installed 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.
 - b. Upon obtaining the Executive Officer's approval of an adequate groundwater monitoring 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 of 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.

- c. 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.
- d. The following shall constitute the groundwater monitoring program:

<u>Constituent</u>	<u>Units*</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
pH	pH Units	grab	quarterly
Total nitrogen	mg/L	grab	quarterly
Nitrate-nitrogen	mg/L	grab	quarterly
Nitrite-nitrogen	mg/L	grab	quarterly
Total coliform	MPN/100mL	grab	quarterly
Fecal coliform	MPN/100mL	grab	quarterly
Enterococcus	MPN/100mL	grab	quarterly

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

- e. All groundwater monitoring reports must include, at minimum, the following:
 - 4. Well identification, date and time of sampling,
 - 5. Sampler identification and laboratory identification,
 - 6. Quarterly measurement of groundwater levels, recorded to 0.01 feet mean sea level,
 - 7. Groundwater contour map depicting the hydraulic gradient and direction of groundwater flow across the subject tract; and
 - 8. Quarterly calculation of vertical separation of groundwater levels to bottom of each septic disposal system (leach field and /or seepage pit).
- 3. Discharges characterized as high-risk based on a surface water quality concern shall submit a surface water monitoring program. The surface water monitoring program shall include sampling sites upstream and downstream in the surface water body adjacent to the discharge. The sampling sites must be chosen to fully assess the background water quality and the downstream water quality of the adjacent surface water body. The plan shall include the exact location of the sampling sites and proposed sampling frequency. At a minimum, sampling shall be conducted quarterly for one year in which average or above average rainfall occurs.
- 4. Dischargers that provide advanced treatment of sewage effluent may demonstrate compliance with receiving water limits by sampling effluent prior to discharge to the subsurface disposal system. In such cases, dischargers shall submit an effluent sampling plan in lieu of a monitoring plan.
- 5. Unless otherwise approved by the Executive Officer, all analyses shall be conducted at a laboratory certified for such analyses by the California Department of Health Services.

All analyses shall be conducted in accordance with the latest edition of Guidelines Establishing Test Procedures for Analysis of Pollutants, promulgated by the U.S. Environmental Protection Agency (USEPA).

6. If the discharger monitors any constituent more frequently than required by the General WDRs, the discharger shall submit the monitoring results to the Regional Board.
7. The discharger shall retain records of all monitoring information including all calibration and maintenance records, copies of all reports required by these general WDRs, and records of all data used to complete the application for these general WDRs. Records shall be maintained for a minimum of three years from the date of the sample, measurement, or report. This period may be extended during the course of any unresolved litigation regarding this discharge or when requested by the Executive Officer.
8. Records of monitoring information shall include the following:
 - a. The date, exact place, and time of sampling or measurements,
 - b. The individual(s) who performed the sampling or measurements,
 - 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.
9. All monitoring instruments and devices that are used by the discharger to fulfill the prescribed monitoring program shall be properly maintained and calibrated as necessary to ensure their continued accuracy.
10. 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.
11. 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.
12. 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.

13. 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.
14. Any mitigation/remedial activity including any pre-discharge treatment conducted at the site must be reported in the quarterly monitoring report.
15. The discharger shall submit an annual report to the Regional Board by January 15 of each year. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous year. In addition, the discharger shall discuss the compliance record and the corrective actions taken or planned which may be needed to bring the discharge into full compliance with the general WDRs.
16. 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 by the Executive Officer.
17. 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 the 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 exceedances of effluent limitations.

C. Certification Statement

Each operation and maintenance and/or monitoring 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)"

Monitoring and Reporting Program For
Order No. R4-2004-0146

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 Bishop
Interim Executive Officer

_____ Date