

California Regional Water Quality Control Board
North Coast Region

MONITORING AND REPORTING PROGRAM NO. R1-2009-0083

For

Lighthouse Pointe Resort

ON-SITE WASTEWATER TREATMENT SYSTEM
WDID No. 1B08180RMEN

Mendocino County

California Water Code sections 13267 and 13383 authorize the Regional Water Quality Control Board (Regional Water Board) to require technical and monitoring reports. This monitoring and reporting program establishes monitoring and reporting requirements, which implement the state regulations. Any person failing to furnish technical or monitoring reports or falsifying any information therein is guilty of a misdemeanor, and may be subject to civil liability. (Water Code section 13268)

The purpose of this monitoring program is to ensure proper maintenance and long term operations of the onsite wastewater treatment systems (OWTS).

MONITORING

The Discharger shall implement a monitoring and reporting program to document that the discharge is consistent with the complete report of waste discharge (ROWD) or equivalent documentation. The monitoring and reporting program shall be conducted with oversight from a licensed professional engineer, geologist, soil scientist, or registered environmental health specialist.

A. Wastewater Volumes

The volume of waste discharged to the OWTS serving the café/gift shop/office complex and the OWTS serving the trailers and laundry shall be recorded separately at least monthly. Volumes shall be reported for each OWTS as the average daily flow, in gallons per day, calculated by dividing the total flow discharged for the duration of the monitoring period by the number of days in the monitoring period.

B. Grease Interceptor and Septic Tanks

The inspection program for the grease interceptor and septic tanks shall be as follows:

At least every six months, the Discharger shall be measure and record:

1. Visual condition of grease interceptor;
2. Grease depth at the bottom of each compartment in each the tank; and
3. Floating grease thickness in each compartment of the each tank.

If the grease is equal to or greater than 50% of the tanks capacity, it will be removed by a licensed professional hauler.

At least annually, the Discharger shall measure and record:

1. Sludge depth in each compartment of the septic tank;
2. Scum thickness in each compartment of the septic tank;
3. Distance between the bottom of the scum layer and the bottom of the outlet baffle;
4. Distance between the top of the sludge layer and the bottom of the outlet opening or baffle, whichever is lower; and
5. Visual condition of each septic tank effluent filter.

The septic tank effluent filters shall be checked at least annually and replaced or cleaned as necessary.

C. Disposal Field Inspections

At least quarterly, the discharger shall thoroughly inspect each disposal field noting and recording any odors, evidence of surfacing wastewater or other signs of malfunction.

D. Groundwater Monitoring

The purpose of groundwater monitoring is to determine compliance with water quality objectives for groundwater in the vicinity of the leachfields for the Lighthouse Pointe Resort. Groundwater monitoring shall be as follows:

1. Monitoring Locations

Monitoring wells shall be installed in locations that allow evaluation of groundwater quality upgradient and downgradient of the waste disposal area identified in the ROWD as Sections 2 and 3. Every monitoring well shall be constructed to yield representative samples from the groundwater downgradient of the disposal field and to comply with applicable well standards. Additional monitoring wells constructed at the site shall be added to the monitoring network as needed. Samples shall be collected from all installed wells for the constituents specified in Table 1.

2. Monitoring Schedule

Ground water samples shall be collected annually from all monitoring wells during Mendocino County's approved wet weather monitoring period. Groundwater samples shall be analyzed for the following constituents:

Table 1. Groundwater Monitoring Constituents

| Constituent | Units | Type of Sample | Frequency |
|-------------------------|-------------|----------------|-----------|
| Total Dissolved Solids | mg/L | Grab | Annually |
| Total Coliform Bacteria | MPN/ 100 mL | Grab | Annually |
| Nitrate Nitrogen | mg/L (as N) | Grab | Annually |

REPORTING

Annual Monitoring Report

No later than March 1 of each year the applicant shall provide to the Regional Water Board a report documenting compliance with waste discharge requirements. The report shall include:

1. Identification of facility: Name, address, and WDID number;
2. Date of report and monitoring period;
3. Identification and details of all violations of permit requirements found during the monitoring period;
4. The cause of the violation;
5. Discussion of corrective actions taken or planned to resolve violations and prevent recurrence, and dates or time schedule of action implementation;
6. Other relevant information including, but not limited to, incidents of wastewater treatment and collection system equipment failure, results of visual observations of the waste disposal field, results of groundwater monitoring, results of septic tank sludge depth measurements, reports describing the removal and disposal of septic tank solids, and reports of sanitary sewer overflows;
7. Authorized signature and certification statement¹.

Noncompliance

All instances of noncompliance that may endanger public health or the environment shall be reported orally² to the Regional Water Board as soon as possible, but no later than 2 hours from the time the Discharger becomes aware of the circumstances, and a written report shall be submitted such that an original signed

¹ Any person signing a self monitoring report 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."

² Oral reporting means direct contact with a Regional Water Board staff person. The oral report may be given in person or by telephone. After business hours, oral contact must be made by calling the State Office of Emergency Services at (800) 852-7550 and Regional Water Board spill officer at (707) 576-2220.

written copy is received by the Regional Water Board no later than five days after the event.

Spill Reporting

1. For any discharges of sewage that results in a discharge to a drainage channel or a surface water, the Discharger shall, as soon as possible, but not later than two (2) hours after becoming aware of the discharge, notify the State Office of Emergency Services (OES), the local health officer or directors of environmental health with jurisdiction over affected water bodies, and the Regional Water Board.
2. As soon as possible, but not later than twenty-four (24) hours after becoming aware of a discharge to a drainage channel or a surface water, the Discharger shall submit to the Regional Water Board a certification that the State Office of Emergency Services and the local health officer or directors of environmental health with jurisdiction over affected water bodies have been notified of the discharge. For the purpose of this requirement, "certification" means an OES certification number and, for the local health department, name of local health staff, department name, phone number and date and time contacted.

Ordered by _____

Catherine Kuhlman
Executive Officer

August 3, 2009