

California Regional Water Quality Control Board  
North Coast Region

MONITORING AND REPORTING PROGRAM NO. R1-2008-0019

FOR

**KLAMATH RANCH RESORT AND BLUE HERON RV PARK  
ON-SITE WASTEWATER TREATMENT AND DISPOSAL FACILITIES**

Siskiyou 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. (Wat. Code, § 13268.)

**FLOW MEASUREMENT**

The average daily discharge flow to the Blue Heron RV Park and the Northeast Leachfield Area shall be determined by flow measurement or calculation, and reported in the quarterly monitoring report. Readings to determine the average daily flow to each system shall be made no less than monthly. All flow measurement devices shall be tested annually and their accuracy certified. Certification shall be submitted with the annual monitoring report.

**SEPTIC TANK MONITORING**

The Discharger shall make surface inspections of all septic tanks not less than monthly to record any odors, evidence of surfacing effluent, or other signs of malfunction. Septic tanks shall be inspected annually and pumped as needed. In addition, the Discharger shall collect samples of the effluent from the Blue Heron RV septic tank in accordance with Table 1. Samples of the septic tank effluent samples shall be collected from an accessible location after exiting the septic tank and prior to discharge to the effluent disposal field.

**Table 1. Effluent Monitoring for RV Park Septic Tank**

<b>Constituent</b>	<b>Units</b>	<b>Type of Sample</b>	<b>Sample Frequency</b>	<b>Reporting Frequency</b>
Formaldehyde	mg/l	Grab	Annually	Annually
Total Phenol	mg/l	Grab	Annually	Annually

Constituent	Units	Type of Sample	Sample Frequency	Reporting Frequency
Total Nitrogen <sup>1</sup>	mg/l	Grab	Quarterly	Quarterly
Nitrate Nitrogen	mg/l (as N)	Grab	Quarterly	Quarterly

### DISPOSAL AREA MONITORING

Monitoring of all subsurface disposal areas shall be conducted at least monthly and the results shall be included in the quarterly monitoring report. Evidence of erosion, saturation, seepage, surfacing effluent, the presence of nuisance conditions, or other signs of malfunction or improper operation shall be noted in the report. The quarterly monitoring report shall include the daily volume and application rate of the wastewater discharge to the Blue Heron RV Park, the Northeast Leachfield Area, and the North Central Leachfield Area and any observations indicating non-compliance with provisions of waste discharge requirements.

### 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 Blue Heron RV Park. The 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 for the Blue Heron RV Park. 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 2.

#### 2. Monitoring Well Construction

At least 45 days prior to construction of any new groundwater monitoring well, the Discharger shall submit well construction plans and specifications to the Regional Board for review and approval. Every monitoring well shall be constructed to yield representative samples year-round from the uppermost layer of the uppermost aquifer and to comply with applicable well standards. Within 60 days after completion of well construction, the Discharger shall submit a report

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<sup>1</sup> Total Nitrogen is the sum of organic nitrogen, ammonia, nitrite, and nitrate.

that includes, but is not limited to, relevant subsurface stratigraphy and lithology, a diagram of the well showing total drilled depth, well installation depth, construction details including screened interval, surveyed top of casing elevation, and a location map for all installed wells, surveyed to the nearest 0.1 foot.

### 3. Monitoring Schedule

Ground water samples shall be collected from all monitoring wells on a quarterly basis when discharging to the Blue Heron RV Park leachfield. Groundwater samples shall be analyzed for the following constituents:

**Table 2. Groundwater Monitoring Constituents**

Constituent	Units	Type of Sample	Frequency
Total Dissolved Solids	mg/l	Grab	Quarterly
Ammonia Nitrogen	mg/l	Grab	Quarterly
Nitrate Nitrogen	mg/l (as N)	Grab	Quarterly
Formaldehyde	mg/l	Grab	Annually
Total Phenol	mg/l	Grab	Annually

### QUARTERLY REPORT

The purpose of the report is to document treatment performance, effluent quality and compliance with waste discharge requirements. For each calendar quarter, a self-monitoring report shall be submitted to the Regional Water Board in accordance with the following:

1. The report shall be submitted by the first day of the second month following the end of the quarter, as follows:

**Table 3. Monitoring Report Due Dates**

Reporting Period	Monitoring Period	Report Due Date
1 <sup>st</sup> Quarter	January 1 – March 31	May 1 <sup>st</sup>
2 <sup>nd</sup> Quarter	April 1 – June 30	August 1 <sup>st</sup>
3 <sup>rd</sup> Quarter	July 1 – September 30	November 1 <sup>st</sup>
4 <sup>th</sup> Quarter	October 1 – December 31	February 1 <sup>st</sup>

2. *Letter of Transmittal*: Each report shall be submitted with a letter of transmittal. This letter shall include the following:
  - a. Identification of facility: Name, address, Order number, and WDID number;
  - b. Date of report and monitoring period;

- c. Identification of all violations of effluent limitations or other discharge requirements found during the monitoring period;
  - d. Details of the violations: parameters, magnitude, test results, frequency, and dates;
  - e. The cause of the violation;
  - f. Discussion of corrective actions taken or planned to resolve violations and prevent recurrence, and dates or time schedule of action implementation;
  - g. Other relevant information including, but limited to, incidents of wastewater treatment and collection system equipment failure, results of visual observations of the irrigation field, results of septic tank sludge depth measurements, reports describing the removal and disposal of septic tank solids, and reports of sanitary sewer overflows;
  - h. Authorized signature and certification statement.
3. *Compliance Evaluation Summary.* Each report shall include a compliance evaluation summary. The summary shall illustrate clearly the facility's compliance with all waste discharge requirements, as required. During periods of no discharge, the reports shall certify no discharge.
4. *Results of Analyses and Observations.* Each report shall include the following:
- a. Tabulations of all required analyses, including parameter, sample date and time, sample station, and test result;
  - b. Written summary of results of all visual monitoring conducted during the monitoring period that indicate non-compliance with provisions of waste discharge requirements;
  - c. If the Discharger monitors any pollutant at the point of compliance or conducted visual inspection more frequently than required by this Permit, using test procedures approved under 40 CFR Part 136 or as specified in this permit, the results of this monitoring shall be included in the calculation and report of the data submitted in the discharger monitoring report
5. *Report Submittal:* Copies of each monitoring report shall be mailed to:

North Coast Regional Water Quality Control Board  
5550 Skylane Boulevard, Suite A  
Santa Rosa, CA 95403

### **ANNUAL REPORT**

The Discharger shall submit an annual report to the Regional Water Board for each calendar year. The report shall be submitted so that it is received by the Regional Water Board by March 1st of the following year. The report shall include, at a minimum, the following:

1. Both tabular and, where appropriate, graphical summaries of the monitoring data and disposal and reclamation records from the previous year; and
2. A comprehensive discussion of the facility's compliance with all effluent limitations and other waste discharge requirements, and the corrective actions taken or planned, which may be needed to bring the discharge into full compliance with the Permit.

Ordered by: \_\_\_\_\_

Catherine Kuhlman  
Executive Officer

April 24, 2008

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