

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM NO. \_\_\_\_\_  
FOR

LITTLE NORWAY PARTNERS LP  
AND  
WASTEWATER COLLECTION, TREATMENT, AND DISPOSAL FACILITY  
PLUMAS COUNTY

This monitoring and reporting program (MRP) incorporates requirements for monitoring treatment and disposal processes of the Little Norway Partners LP. This MRP is issued pursuant to Water Code Section 13267. The Discharger shall not implement any changes to this MRP unless and until a revised MRP is issued by the Executive Officer.

Specific sampling locations shall be approved by Regional Board staff prior to implementation of sampling activities. All samples shall be representative of the volume and nature of the discharge or matrix of material sampled. The time, date, and location of each grab sample shall be recorded on the chain of custody form.

Field test instruments (such as those used to test pH and dissolved oxygen) may be used provided that:

1. The operator is trained in proper use and maintenance of the instruments;
2. The instruments are calibrated in accordance with the manufacturer's recommendations, and the method has been accepted by Regional Board Staff;
3. Instruments are serviced and/or calibrated by the manufacturer at the recommended frequency; and
4. Field calibration reports are submitted as described in the "Reporting" section of this MRP.

**EFFLUENT MONITORING**

Effluent samples shall be collected from the discharge line to the disposal field from the 10,000 gallon dosing tank. Effluent monitoring shall include at least the following:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Flow	gallons	Meter	Continuous	Monthly <sup>4</sup>
Nitrate as Nitrogen	mg/L	12-hour composite	Monthly	Monthly
Total Kjeldahl Nitrogen	mg/L	12-hour composite	Monthly	Monthly
Electrical Conductivity	umho/cm	12-hour composite	Monthly <sup>1</sup>	Monthly
BOD <sub>5</sub> <sup>2</sup>	mg/L	12-hour composite	Monthly <sup>1</sup>	Monthly

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<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Total Suspended Solids	mg/L	12-hour composite	Monthly <sup>1</sup>	Monthly
Nitrite	mg/L	12-hour composite	Annually <sup>3</sup>	Annually
Boron	mg/L	12-hour composite	Annually	Annually
Chloride	mg/L	12-hour composite	Annually	Annually
Iron	mg/L	12-hour composite	Annually	Annually
Manganese	mg/L	12-hour composite	Annually	Annually

<sup>1</sup> Until project buildout reaches 50%, sampling frequency may be reduced to one half that designated

<sup>2</sup> BOD<sub>5</sub> denotes five-day, 20° Celsius Biochemical Oxygen Demand.

<sup>3</sup> Annually during the month of January or February.

<sup>4</sup> Flow data shall be obtained weekly, and reported monthly (weekly flows reported).

### DISPOSAL AREA MONITORING

The disposal area shall be inspected every other week for signs of surfacing effluent and excessive weed growth. Mowing of the disposal area shall be performed in such a manner as to maximize evapotranspiration while maintaining reasonable access and aesthetics. Each of the three disposal field piezometers shall be monitored for at least the following:

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Depth to water	inches	Visual	Every two weeks from February through June

### SEPTIC TANK MONITORING AND SYSTEM MAINTENANCE AND INSPECTIONS

Each individual homeowner shall authorize the homeowner's association access to the septic tank for the purpose of conducting inspections. The Discharger shall monitor the septic tanks and report this information in the annual reports. Septic tanks shall be inspected **every five years** as described below and pumped as necessary.

<u>Parameter</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Reporting Frequency</u>
Sludge depth and scum thickness in each compartment of each septic tank	Inches	Staff Gauge	Annually
Distance between bottom of scum layer and bottom of outlet device	Inches	Staff Gauge	Annually
Distance between top of sludge layer and bottom of outlet device	Inches	Staff Gauge	Annually

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.

The annual report shall indicate the number and locations of tanks that were inspected or pumped the previous year.

### GROUNDWATER MONITORING

Samples from groundwater monitoring wells MW-1, MW-2 and MW-3 shall be taken quarterly in January, April, July and October of each year and reported in March, June, September and December. Prior to sampling, groundwater elevations shall be measured to the nearest 0.01 feet. The wells shall then be purged of at least three well volumes, and then until pH or electrical conductivity have stabilized (depth measurement shall be performed prior to purging). Water table elevations shall be calculated and used to determine groundwater gradient and direction of flow. Samples shall be collected using approved USEPA methods. Quarterly samples shall be taken in January, April, July and October of each year and reported in March, June, September and December. Annual samples shall be taken in July and reported in September. Groundwater monitoring shall include, at a minimum, analysis of samples from each well for the following parameters:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling and Reporting Frequency</u>
Groundwater elevation	0.01 Feet	Measurement	Quarterly
Groundwater Flow Direction	Degrees	Calculation	Quarterly
Groundwater Gradient	Ft/ft	Calculation	Quarterly
pH	pH units.	Grab	Quarterly
Total Dissolved Solids	mg/L	Grab	Quarterly
Nitrate as Nitrogen	mg/L	Grab	Quarterly
Total Coliform Organisms <sup>1</sup>	MPN/100 mL	Grab	Quarterly
Chloride	mg/L	Grab	Annually
Iron	mg/L	Grab	Annually
Manganese	mg/L	Grab	Annually
Boron	mg/L	Grab	Annually

### **BIOSOLIDS MONITORING**

The Discharger shall keep records regarding the quantity of biosolids generated by the treatment processes; any sampling and analytical data; the quantity of biosolids stored on site; and the quantity removed for disposal. The records shall also indicate the steps taken to reduce odor and other nuisance conditions. Records shall be stored onsite and available for reviewing during inspections.

When biosolids are transported off-site for disposal, then the Discharger shall submit records identifying the hauling company, the amount of biosolids transported, the date biosolids were removed from the facility, the location of disposal, and copies of all analytical data required by the facility accepting the waste. If biosolids are disposed of onsite, then the Discharger shall submit the annual report information as contained in the Statewide General Order for the Discharge of Biosolids (Water Quality Order No. 2000-10-DWQ or any subsequent document that replaces Order No. 2000-10-DWQ).

All records shall be submitted as part of the Annual Monitoring Report.

### **FINANCIAL ASSURANCE**

By 30 January of each year the Discharger shall provide financial assurance that the Homeowners association has accrued adequate funds in accordance with provision 7.b. of the Order.

### **REPORTING**

In reporting monitoring data, the Discharger shall arrange the data in tabular form so that the date, sample type (e.g., flow, pond, groundwater, solids, etc.), sample location, and reported analytical result for each sample are readily discernible. The data shall be summarized in such a manner to clearly illustrate whether discharge is occurring in compliance with waste discharge requirements and whether there are any spatial or temporal trends, as applicable. The results of any monitoring done more frequently than required at the locations specified in the MRP shall be reported to the Regional Board.

Reports shall be submitted as follows:

**Monthly** reports shall be submitted to the Central Valley Water Board by the **first day of the second month after the month of sampling** (i.e., the March report is due by 1 May).

**Quarterly** reports shall be submitted to the Central Valley Water Board by the **first day of the second month following the end of the calendar quarter** (i.e., the January-

March quarterly report is due by 1 May) and may be combined with the monthly report due at the same time.

An **annual** report shall be submitted to the Central Valley Water Board by **1 February** each year and may be combined with other reports. The annual report shall include a summary of all monthly and quarterly data obtained during the previous year. At a minimum the reports shall include:

1. A comparison of monitoring data to the discharge specifications and an explanation of any violation of those requirements. Data shall be presented in tabular format.
2. If requested by staff, copies of laboratory analytical report(s).
3. A letter transmitting the self-monitoring reports shall accompany each report. Such a letter shall include a discussion of requirement violations found during the reporting period, and actions taken or planned for correcting noted violations, such as operation or facility modifications. If the Discharger has previously submitted a report describing corrective actions and/or a time schedule for implementing the corrective actions, reference to the previous correspondence will be satisfactory. The transmittal letter shall contain a statement by the Discharger, or the Discharger's authorized agent, as described in the Standard Provisions General Reporting Requirements, Section B.3.

The Discharger shall implement the above monitoring program as of the date of this Order.

Ordered by: \_\_\_\_\_  
PAMELA C. CREEDON, Executive officer

\_\_\_\_\_  
(Date)

RSD: sae  
4/11/2008