

California Regional Water Quality Control Board  
North Coast Region

MONITORING AND REPORTING PROGRAM R1-2001-40

FOR

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REDWAY, CALIFORNIA  
Humboldt County

**SURFACE RUNOFF DETECTION MONITORING**

The discharger shall inspect the spray irrigation area daily for signs of surface runoff from the effluent discharge. The discharger shall immediately contact the Regional Water Board should the treatment effluent discharge cause surface runoff. Daily observations shall be recorded and submitted with the monthly monitoring reports.

**WATER TREATMENT SYSTEM MONITORING**

The discharger shall collect grab samples of the treatment system and effluent according to the following table:

Sample I.D.	Location Description	Analytes	Frequency
EX-1	Extraction Well	TPH <sup>1</sup> as diesel, TPH as gasoline, BTEX <sup>2</sup> , Oxygenates <sup>3</sup>	Monthly
EP-1	Extraction trench in Seely Creek below EP-2	TPH as diesel, TPH as gasoline, BTEX, Oxygenates	Monthly
EP-2	Extraction trench at rock fracture below release	TPH as diesel, TPH as gasoline, BTEX, Oxygenates	Monthly
EP-3	Extraction trench at quarry road culvert	TPH as diesel, TPH as gasoline, BTEX, Oxygenates	Monthly
EP-4	Extraction trench between EP-1 and EP-2	TPH as diesel, TPH as gasoline, BTEX, Oxygenates	Monthly
EP-5	Extraction trench 10 feet upstream of EP-4	TPH as diesel, TPH as gasoline, BTEX, Oxygenates	Monthly

<sup>1</sup> TPH = total petroleum hydrocarbons.

<sup>2</sup> BTEX = Benzene, Toluene, Ethylbenzene, Xylenes

<sup>3</sup> Oxygenates = Methyl Tertiary Butyl Ether, Di-Isopropyl Ether, Ethyl Tertiary Butyl Ether, Tertiary Amyl Methyl Ether, Tertiary Butanol

Sample I.D.	Location Description	Analytes	Frequency
EP-#	Additional extraction points that may be added in the future <sup>4</sup>	TPH as diesel, TPH as gasoline, BTEX, Oxygenates	Weekly for first month, Monthly thereafter
EFF-1	Effluent from carbon canisters treating EX-1, EP-1, EP-2, EP-4, EP-5, and EP-#.	TPH as diesel, TPH as gasoline, BTEX, Oxygenates	Weekly
EFF-2	Effluent from carbon canisters treating effluent from EP-3	TPH as diesel, TPH as gasoline, BTEX, Oxygenates	Weekly when EP-3 is in use
SC	Seely Creek approximately 200 feet downstream of quarry culvert	TPH as diesel, TPH as gasoline, BTEX, Oxygenates	Weekly

Samples of the treatment system and effluent shall be analyzed according to the acceptable EPA analytical methods and maximum laboratory detection limits in the following table.

Analytes	Acceptable EPA Method	Max. Detection Limit (µg/l)
TPH as diesel	3510/8015M	50
TPH as gasoline	5030/8015M/8020	50
BTEX	5030/8015M/8020	5
Oxygenates	8260	5

### REPORTING

Reports shall be submitted to the Regional Water Board each month by the last day of the month that follows the month of sample collection. All reports shall include a tabular summary of past analytical results, current monitoring results, and the discharger's surface runoff detection monitoring results. In reporting the data, the discharger shall arrange the data in tabular form so that the date, analytes, person collecting the sample, method detection limit, and concentration are readily discernable. Sample results that are below the laboratory detection limit shall be reported as less than the specific detection limit and shall not be reported as ND. The data shall be summarized in such a manner to clearly illustrate compliance with the monitoring and reporting program. The signed, original laboratory analytical sheets shall be provided with each submittal along with a copy of the associated chain of custody form.

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

Lee A. Michlin  
 Executive Officer

April 26, 2001

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<sup>4</sup> A map showing the location of any new extraction points shall be submitted with the monthly monitoring report.