

California Regional Water Quality Control Board
North Coast Region

MONITORING AND REPORTING PROGRAM NO. R1-2012-0021

FOR

THE GASOLINE STATION
240 MAIN STREET
POINT ARENA, CALIFORNIA

Mendocino County

This Monitoring and Reporting Program (MRP) is issued pursuant to California Water Code Section (CWC) 13267(b) and requires monitoring of groundwater and submission of technical reports. Reports are required on a biannual basis and are intended to reflect high and low groundwater conditions at the Site. Site-specific historic data indicates that low groundwater typically occurs in the September to November time frame and high groundwater typically occurs in the January through April time frame. Hence, this order's biannual reporting reflects these historic data. The objective of monitoring conducted under this monitoring program is to provide the Discharger and the Regional Water Board with information concerning groundwater quality and contaminant trends through seasonal fluctuations at the Site and off-Site.

Under the authority of CWC section 13267, the Discharger named above is required to comply with the following:

MONITORING

1. The depth to groundwater in all monitoring wells shall be determined to at least 0.01 foot increments biannually. The data generated from the elevation readings must be referenced to mean sea level.
2. Water samples shall be collected for analysis on the following schedule:

Monitoring Well No.	Schedule	Biannual Period	Groundwater Analysis
MW-1	Biannual	BP 1 & 2	MTBE, VOCs
MW-2	Biannual	BP 1 & 2	TPH-g, TPH-d, TPH-mo, BTEX, MTBE, Naphthalene, & VOCs
MW-3	Annual	BP 2	VOCs
MW-4	Annual	BP 1	TPH-g, TPH-d, TPH-mo, BTEX, MTBE, & Naphthalene
MW-5	Biannual	BP 1 & 2	TPH-g, TPH-d, TPH-mo, BTEX, & MTBE, Naphthalene, & VOCs

Monitoring Well No.	Schedule	Biannual Period	Groundwater Analysis
MW-8	Annual	BP 1	TPH-g, TPH-d, TPH-mo, & Naphthalene
MW-10	Annual	BP 1	TPH-g, TPH-d, & TPH-mo

Petroleum Hydrocarbon Analysis

TPH-g = Total Petroleum Hydrocarbons as gasoline

TPH-d = Total Petroleum Hydrocarbons as diesel

TPH-mo = Total Petroleum Hydrocarbons as motor oil

BTEX = benzene, toluene, ethylbenzene, and total xylenes

MTBE = methyl t-butyl ether

3. Sampling for In Situ, Bioremediation of Petroleum Hydrocarbons for Order No. R1-2004-0021

Water samples shall be collected quarterly from monitoring wells MW-2, MW-6, and MW-10 shall include the analysis addressed in Attachment A of Order No. R1-2004-0021, General Waste Discharge Requirements for In Situ, Bioremediation of Petroleum Hydrocarbons by the Addition of Nutrients, Microorganisms, and/or an Oxygen Source to Groundwater and/or Soil.

4. All investigation-derived waste (IDW) will be controlled and disposed of in a fashion consistent with California laws and regulations. Documentation regarding IDW disposal shall accompany each biannual monitoring report.
5. All implemented work shall be done under the direct supervision of a California-licensed Registered Civil Engineer or Professional Geologist with demonstrated experience in the implementation of monitoring and reporting programs required by the California Regional Water Board.
6. All laboratory analyses shall be performed at a laboratory certified by the California Department of Health Services.

REPORTING

A groundwater elevation contour map shall be submitted for each biannual set of measurements and include the facility, groundwater flow pattern including the direction of the groundwater gradient, and the location of the wells measured. Biannual monitoring reports, including gradient data and sampling data, shall be submitted to this office in accordance with the following schedule:

Reporting Period

Due Date

First Biannual Sampling Event

July 30

Second Biannual Sampling Event

January 30

Current and previous remedial system operation and maintenance activities shall be reported in the monitoring reports.

All data and reports shall be submitted in the proper format to the State Water Resources Control Board's GeoTracker database.

Ordered by _____
Catherine Kuhlman
Executive Officer

January 10, 2012