

California Regional Water Quality Control Board
North Coast Region

Monitoring and Reporting Program No. R1-2010-0085
(Replaces Monitoring and Reporting Program No. R1-2004-0114)

FOR

UNION PACIFIC RAILROAD COMPANY
LEARNER – EUREKA, INC.
G&R METALS EUREKA, INC.
LEVIN METALS CORPORATION AKA LEVIN ENTERPRISES
G&R METALS, INC.

AND

THE GEORGE J. RYNECKI TRUST

FOR THE SITE AT

701 FIRST STREET
EUREKA, CALIFORNIA

Case Nos. 1NHU318 and 1NHU117

Humboldt County

This Monitoring and Reporting Program is issued pursuant to California Water Code (CWC) Section 13267(b) and requires monitoring of groundwater and storm water, and submission of technical reports. Reports are required on an annual basis. The objective of monitoring conducted under this monitoring program is to provide the Dischargers and the Regional Water Quality Control Board with information concerning water quality and contaminant trends at the site.

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

GROUNDWATER MONITORING

1. During each groundwater monitoring event, the presence of floating product shall be evaluated in each monitoring well associated with the site. If detected, the thickness shall be measured to at least 0.01 foot increments.
2. During each groundwater monitoring event, the depth to groundwater in each monitoring well associated with the site shall be determined to at least 0.01 foot increments, prior to purging. The data generated from the elevation readings must be referenced to the same elevation datum used for the electronic GeoTracker survey values.
3. The tidal elevation and cycle shall be recorded and related to the time monitoring well elevation measurements are collected.

4. Groundwater samples shall be collected annually, during the period of February 1st to April 30th, from monitoring wells MW-1A, MW-2A, MW-2B, MW-3A, MW-3B, MW-4A, MW-5A, and MW-6A.
5. The monitoring well groundwater samples shall be analyzed for constituents as described in the following table:

Monitoring Well	Analytes
MW-1A	Dissolved Lead, Dissolved Manganese
MW-2A	Dissolved Lead, Dissolved Manganese
MW-2B	Dissolved Manganese
MW-3A	Dissolved Lead, Dissolved Manganese
MW-3B	Dissolved Manganese
MW-4A	Total Petroleum Hydrocarbons as Diesel (TPH-d), Polynuclear Aromatic Hydrocarbons (PAHs), Dissolved Lead, Dissolved Manganese
MW-5A	TPH-d, PAHs, Dissolved Lead, Dissolved Manganese
MW-6A	Dissolved Lead, Dissolved Manganese

6. A reporting limit no greater than 0.1 µg/L (for samples without interferences) shall be used for the polynuclear aromatic hydrocarbons analysis. Detections below the reporting limit and above the method detection limit shall be reported.
7. A method detection limit of no greater than 0.2 µg/L (for samples without interferences) shall be used for the dissolved lead analysis. If the reporting limit is above 0.2 µg/L, then detections below the reporting limit and above the method detection limit shall be reported.
8. All laboratory analyses shall be performed at a laboratory certified by the California Department of Health Services.

SURFACE WATER MONITORING

1. Each surface water monitoring station (as shown on the attached figure, excerpted from the February 5, 2010 ARCADIS U.S., Inc. document *Quarterly Monitoring report, Waterfront Lease Site (Former G&R Metals)*) shall be sampled monthly during the period from November to April each year. Analyses shall be performed at a laboratory certified by the California Department of Health Services for TPH-d, TPH as motor oil, pesticides, polychlorinated biphenyls, copper, lead, manganese, nickel, and zinc. Surface water samples shall not be filtered prior to analyses.
2. The presence of floating product or sheen shall be evaluated at each monitoring station monthly during the period from November to April each year.
3. Surface water monitoring events shall be targeted during periods of intense rainfall.

4. The flow at each monitoring station shall be calculated in gallons per minute during each monitoring event.

REPORTING

1. Annual monitoring reports shall be submitted to this office by June 15 of each year.
2. If any storm water analyte concentration is greater than twice the prior winter's mean concentration, Regional Water Quality Control Board staff shall be notified of the results within 30 days of the samples being collected.
3. Groundwater elevation contour maps shall be included in the monitoring reports for the annual measurements and include the facility, groundwater flow pattern including the direction of the groundwater gradient, and the location of the wells measured.
4. Current and previous analytical results shall be reported in tables which include the following:
 - a. sampling point;
 - b. date of sample collection;
 - c. constituents and analytical results; and
 - d. quantification limits employed for non-detect analytical results.
5. Each report shall contain copies of the sampling field logs and well purging logs; chain of custody documents indicating the time and date of sample collection and the person collecting the samples; and signed laboratory sheets including quality control data and explanations of analytical anomalies, if any. These supporting documents may be included as appendices to the report.
6. The monitoring report shall contain a report of the maintenance of and any modifications to the storm water best management practices used at the site.
7. The monitoring reports shall be submitted in hard copy form. In addition, the monitoring reports and monitoring data shall also be submitted electronically to the State Water Resources Control Board's GeoTracker database as required by Title 23, Division 3, Chapter 30 of the California Code of Regulations.

Ordered by _____
Catherine E. Kuhlman
Executive Officer

September 21, 2010

