

California Regional Water Quality Control Board
North Coast Region

Monitoring and Reporting Program No. R1-2004-0114
(Replaces Monitoring and Reporting Program No. R1-2001-25)

FOR

UNION PACIFIC RAILROAD COMPANY
LEARNER – EUREKA, INC.
G&R METALS EUREKA, INC.
GEORGE J. RYNCKI
STELLA S. RYNECKI
LEVIN METALS CORPORATION AKA LEVIN ENTERPRISES
G&R METALS, INC.
AND
THE GEORGE J. RYNECKI TRUST

Humboldt County

GROUNDWATER MONITORING

1. The presence of floating product shall be evaluated in each monitoring well. If detected, the thickness shall be measured to at least 0.01 foot increments semiannually during both seasonal high and seasonal low groundwater conditions.
2. The depth to groundwater in each monitoring well shall be determined to at least 0.01 foot increments semiannually during both seasonal high and low groundwater conditions. The results of each event's elevation shall be reported in tabular form indicating the surveyed elevations of each well reference point, depth to groundwater from reference point, and the actual groundwater elevation. The data generated from the elevation readings must be referenced to mean sea level.
3. The tidal elevation and cycle shall be recorded and related to the time monitoring well elevation measurements are collected.
4. Each monitoring well shall be sampled on the following schedule. The analyses shall be performed at a certified laboratory for total petroleum hydrocarbons as gasoline (TPH-g), total petroleum hydrocarbons as diesel (TPH-d), volatile organic compounds (VOCs), methyl tert butyl ether (MTBE), lead, manganese (MANG), and zinc.

WELL	SEASONAL LOW GROUNDWATER	SEASONAL HIGH GROUNDWATER
MW-1A	MTBE	MTBE, LEAD, MANG, ZINC
MW-2-A	MTBE	MTBE, LEAD, MANG, ZINC
MW-2B	MTBE	MTBE, LEAD, MANG, ZINC
MW-3A	TPH-g, TPH-d, VOCs, MTBE	TPH-g, TPH-d, VOCs, MTBE, LEAD, MANG, ZINC

WELL	SEASONAL LOW GROUNDWATER	SEASONAL HIGH GROUNDWATER
MW-3B	TPH-g, TPH-d, VOCs, MTBE	TPH-g, TPH-d, VOCs, MTBE, LEAD, MANG, ZINC
MW-4A	TPH-g, TPH-d, VOCs, MTBE	TPH-g, TPH-d, VOCs, MTBE, LEAD, MANG, ZINC
MW-4B	TPH-g, TPH-d, VOCs, MTBE	TPH-g, TPH-d, VOCs, MTBE, LEAD, MANG, ZINC
MW-5A	TPH-g, TPH-d, VOCs, MTBE	TPH-g, TPH-d, VOCs, MTBE, LEAD, MANG, ZINC
MW-5B	TPH-g, TPH-d, VOCs, MTBE	TPH-g, TPH-d, VOCs, MTBE, LEAD, MANG, ZINC
MW-6A	TPH-g, TPH-d, VOCs, MTBE	TPH-g, TPH-d, VOCs, MTBE, LEAD, MANG, ZINC

5. All newly installed monitoring wells will be sampled quarterly for the contaminants applicable to the area of well installation.

SURFACE WATER MONITORING

6. The presence of floating product or sheen shall be evaluated at each monitoring station identified on Attachment A monthly during the period from November to April each year.
7. Surface water monitoring events shall be targeted during periods of intense rainfall.
8. The flow at each monitoring station shall be calculated in gallons per minute during each monitoring event.
9. Each monitoring station shall be sampled monthly during the period from November to April each year. The analyses shall be performed at a certified laboratory 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.

REPORTING

A groundwater elevation contour map shall be submitted for each semiannual set of measurements and include the facility, groundwater flow pattern including the direction of the groundwater gradient, and the location of the wells measured.

A surface water monitoring station map shall be submitted for the wet weather surface water runoff samples depicting pertinent runoff patterns, on-site features, and receiving surface waters.

Monitoring reports including current and historical gradient, flow, and sampling data in tabular form for both groundwater and surface water shall be submitted to this office in accordance with the following schedule:

<u>Reporting Period</u>	<u>Due Date</u>
February, March, April	May 15
May, June, July	August 15
August, September, October	November 15
November, December, January	February 15

Ordered by _____
Catherine E. Kuhlman
Executive Officer

December 2, 2004

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