

California Regional Water Quality Control Board
North Coast Region

Monitoring and Reporting Program No. R1-2014-0021
(Rescinding and Replacing Monitoring and Reporting Program No. R1-2011-0101)

Union Pacific Railroad Company
West Coast Welders Supply
West Coast Metals, Inc.
99 Frances Street
Santa Rosa, California
Case No. 1NSR078

Sonoma County

This Monitoring and Reporting Program is issued pursuant to California Water Code section 13267 (b) and requires monitoring of groundwater and submission of technical reports. 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 at the site. This Monitoring and Reporting Program rescinds and replaces Monitoring and Reporting Program No. R1-2011-0101. Monitoring and Reporting Program No. R1-2011-0087 exists for the discharge of treated water to surface water and remains in effect.

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

MONITORING

1. Prior to purging and sampling, the depth to groundwater shall be determined to at least 0.01 foot increments in all groundwater monitoring wells at a semi-annual frequency during the 1st and 3rd quarters of each year. The data generated from the elevation readings must be referenced to the same elevation datum used for the electronic GeoTracker survey values.
2. Groundwater samples shall be collected from groundwater monitoring wells and analyzed for halogenated volatile organic compounds as specified in Table 1 (attached).
3. All laboratory analyses shall be performed at a laboratory certified by the California Department of Public Health.
4. Newly installed groundwater monitoring wells shall be gauged and sampled at a quarterly frequency for at least four consecutive quarters. Additionally, the initial sample from all newly installed monitoring wells must include analysis for lead and 1,4-dioxane.

REPORTING

5. Monitoring reports shall be submitted to the Regional Water Board at a semi-annual frequency. Monitoring reports shall be prepared by or under the supervision of a California Registered Engineer or Geologist. Monitoring reports shall be submitted to this office in accordance with the following schedule:

Reporting Period	Due Date
1 st Quarter (January, February, March) and 2 nd Quarter (April, May, June)	August 1
3 rd Quarter (July, August, September) and 4 th Quarter (October, November, December)	February 1

6. Groundwater elevation contour maps for the A-zone, B-zone, C-zone, and D-zone shall be included for each set of depth-to-water measurements collected. The maps shall include the direction of the calculated groundwater gradient in each zone and the location of all monitoring wells.
7. Contamination isoconcentration counter maps shall be included for each significant pollutant detected during each monitoring event and shall be displayed for the A-zone, B-zone, and C-zone.
8. Each report shall include well purging and sampling field logs, chain of custody documents and signed laboratory sheets including quality control data and explanation of analytical anomalies, if any. These supporting documents may be submitted as appendices to the report.
9. The results of each groundwater elevation measurement shall be reported in tabular form providing the surveyed elevations of each reference point, depth to groundwater from the reference point and the actual groundwater elevation.
10. Current and previous analytical results shall be reported in tabular form.
11. Monitoring reports, data, and depth to water measurements shall also be submitted electronically to the State Water Resources Control Board's GeoTracker database.

Ordered by _____
Matthias St. John
Executive Officer

March 17, 2014

**MRP Program Order No. R1-2014-0021
 Table 1**

Well Name and (Water-Bearing Zone)	Sampling Frequency	1st Quarter		2nd Quarter		3rd Quarter		4th Quarter	
		Test	Water Levels						
MW-01(A)	Annual	VOCs	G				G		
MW-02(A)	Semi-Annual	VOCs	G			VOCs	G		
MW-03(A)	Semi-Annual	VOCs	G			VOCs	G		
MW-04(A)	Semi-Annual	VOCs	G			VOCs	G		
MW-05(A)	Semi-Annual	VOCs	G			VOCs	G		
MW-07(A)	Semi-Annual	VOCs	G			VOCs	G		
MW-09(B)	Semi-Annual	VOCs	G			VOCs	G		
MW-10(B)	Annual	VOCs	G				G		
MW-11(C)	Annual	VOCs	G				G		
MW-12(A)	Not sampled		G				G		
MW-13(B)	Not sampled		G				G		
MW-14(C)	Not sampled		G				G		
MW-15(D)	Semi-Annual	VOCs	G			VOCs	G		
MW-16(B)	Semi-Annual	VOCs	G			VOCs	G		
MW-17(A)	Semi-Annual	VOCs	G			VOCs	G		
MW-18(B)	Semi-Annual	VOCs	G			VOCs	G		
MW-19(C)	Semi-Annual	VOCs	G			VOCs	G		
MW-20(A)	Semi-Annual	VOCs	G			VOCs	G		
MW-21(B)	Semi-Annual	VOCs	G			VOCs	G		
MW-22(C)	Semi-Annual	VOCs	G			VOCs	G		
MW-23(A)	Not sampled		G				G		
MW-24(B)	Semi-Annual	VOCs	G			VOCs	G		
MW-25(A)	Semi-Annual	VOCs	G			VOCs	G		
MW-26(B)	Semi-Annual	VOCs	G			VOCs	G		
MW-27(C)	Semi-Annual	VOCs	G			VOCs	G		
MW-28(C)	Semi-Annual	VOCs	G			VOCs	G		
MW-29(A)	Semi-Annual	VOCs	G			VOCs	G		
MW-30(C)	Semi-Annual	VOCs	G			VOCs	G		

Monitoring and Report Program
No. R1-2014-0021

MW-31(A)	Not sampled		G				G		
MW-32(C)	Not sampled		G				G		
MW-33(A)	Not sampled		G				G		
MW-34(C)	Not sampled		G				G		
MW-35(A)	Semi-Annual	VOCs	G			VOCs	G		
MW-36(C)	Semi-Annual	VOCs	G			VOCs	G		
MW-40(D)	Semi-Annual	VOCs	G			VOCs	G		
MW-41(D)	Semi-Annual	VOCs	G			VOCs	G		
MW-42(D)	Semi-Annual	VOCs	G			VOCs	G		
MW-43(D)	Semi-Annual	VOCs	G			VOCs	G		
MW-44(E)	Semi-Annual	VOCs	G			VOCs	G		
MW-45(E)	Semi-Annual	VOCs	G			VOCs	G		
MW-46(E)	Semi-Annual	VOCs	G			VOCs	G		
MW-47(A)	Semi-Annual	VOCs	G			VOCs	G		
MW-48(B)	Semi-Annual	VOCs	G			VOCs	G		
MW-49(A)	Semi-Annual	VOCs	G			VOCs	G		
E-201(A)	Annual	VOCs	G				G		
E-202(B)	Annual	VOCs	G				G		
E-203(A)	Annual	VOCs	G				G		
E-204(A)	Annual	VOCs	G				G		
E-205(B)	Annual	VOCs	G				G		
E-206(C)	Semi-Annual	VOCs	G			VOCs	G		
E-207(A)	Annual	VOCs	G				G		
E-208(A)	Annual	VOCs	G				G		
E-209(B)	Annual	VOCs	G				G		
E-210(A)	Annual	VOCs	G				G		
E-212(A)	Annual	VOCs	G				G		
E-214(A)	Annual	VOCs	G				G		
E-216(A)	Annual	VOCs	G				G		
E-217(C)	Semi-Annual	VOCs	G			VOCs	G		
E-218(B)	Annual	VOCs	G				G		
E-219(C)	Semi-Annual	VOCs	G			VOCs	G		
E-220(A)	Quarterly	VOCs	G	VOCs	G	VOCs	G	VOCs	G
E-221(C)	Quarterly	VOCs	G	VOCs	G	VOCs	G	VOCs	G
P-110(A)	Semi-Annual	VOCs	G			VOCs	G		

Notes:

VOCs = chlorinated volatile organic compounds by USEPA Test Method 8260B

G = Gauge well (measure ground water level)