

California Regional Water Quality Control Board
North Coast Region

MONITORING AND REPORTING PROGRAM NO. R1-2013-0040

(REPLACES MONITORING AND REPORTING PROGRAM NO. R1-2001-04)

FOR

INTERNATIONAL PAPER COMPANY
AND
ROSEBURG FOREST PRODUCTS

FOR

MORGAN PRODUCTS LTD., SITE
WEED

SISKIYOU COUNTY

This Monitoring and Reporting Program is issued pursuant to California Water Code (CWC) 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 and surface water quality and contaminant trends at the site.

All monitoring and reporting activities shall be conducted by or under the supervision of a California Registered Engineer or Geologist. Under the authority of the CWC Section 13267, the Dischargers named above are required to comply with the following:

Groundwater Monitoring

1. Prior to purging and sampling, the depth to groundwater shall be determined to at least 0.01 foot increments quarterly. The results of quarterly elevation measurements shall be reported in tabular form indicating the surveyed elevation of the monitoring wells and the associated groundwater measurements. The data generated from the elevation measurements must be referenced to mean sea level.
2. Groundwater in all monitoring wells shall be measured on a quarterly basis for field parameters including temperature, pH, Eh, dissolved oxygen, specific conductance, and turbidity.
3. Groundwater samples from all monitoring wells shall be collected and analyzed quarterly for pentachlorophenol and tetrachlorophenol by United States Environmental Protection Agency (EPA) Method 8151A Modified.

- Groundwater samples from the following monitoring wells shall be collected and analyzed quarterly for fuel identification and quantification by EPA Method 8015C, pentachlorophenol degradation products by EPA Method 8151A Modified, and general chemistry parameters including ammonia as nitrogen, nitrate/nitrite as nitrogen, chemical oxygen demand, total organic carbon, iron, sulfide, methane and chloride. A map showing the location of groundwater monitoring wells is included as Figure 1.

MW-7	MW-11S	MW-15S	MW-17S
MW-9	MW-13	MW-16S	

- Post-injection groundwater samples from the following monitoring wells shall be collected and analyzed for fuel identification and quantification by EPA Method 8015C, pentachlorophenol degradation products by EPA Method 8151A Modified, and general chemistry parameters including ammonia as nitrogen, nitrate/nitrite as nitrogen, chemical oxygen demand, total organic carbon, iron, sulfide, methane, chloride, dissolved metals, iron catalyst, and hydrogen peroxide impurities, as specified in Attachment A.

MW-11S	MW-17S	TMP-8	TMP-10
MW-13	TMP-7	TMP-9	TMP-11

Surface Water Monitoring

- Surface water samples from the following locations shall be collected and analyzed quarterly for pentachlorophenol, tetrachlorophenol, total suspended solids, total organic carbon and turbidity. Surface water at the following locations shall also be measured quarterly for general field parameters including temperature, pH, Eh, dissolved oxygen, and specific conductance. A map showing the locations of these surface water monitoring points is included as Figure 2.

BOX CULVERT	SWGC-2A
SW-4	SWBC-1
SW-5	SWBC-2
SWGC-1A	

Reporting

- Quarterly monitoring reports shall be submitted to this office in accordance with the following schedule:

<u>Reporting Period</u>	<u>Due Date</u>
January, February, March	April 30
April, May, June	July 30
July, August, September	October 30
October, November, December	January 30

2. A groundwater elevation contour map shall be included for each set of measurements and shall include the following:
 - a) location of pertinent former and existing onsite facilities;
 - b) location of monitoring and remediation wells; and
 - c) groundwater flow pattern including the direction of the groundwater gradient.
3. A contamination map shall be included for pentachlorophenol concentrations detected during the monitoring events and shall include the following:
 - a) location of pertinent former and existing onsite facilities; and
 - b) location of the monitoring wells.
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. Current and previous remedial system operation and maintenance activities shall be reported in the monitoring reports.
6. Each report shall contain copies of the well purging and sampling field logs; chain of custody documents showing the time and date of collection and person collecting; 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.
7. Monitoring data and reports shall also be submitted electronically to the State Water Resources Control Board's GeoTracker database.

Ordered by _____

Matthias St. John
Executive Officer

May 28, 2013