

California Regional Water Quality Control Board
North Coast Region

Monitoring and Reporting Program No R1-2003-0043

for

International Paper Company
Former Masonite Wood Treatment Facility
Cloverdale

Sonoma County

Monitoring

1. Monitoring wells (MWs) MW-6, MW-9, MW-12, MW-13, MW-14, MW-18, MW-21 shall be sampled within two weeks prior to the in-situ treatment to confirm baseline and background groundwater characteristics, which may be affected by the treatment application. The analyses shall be performed at a certified laboratory for dissolved iron, chloride, magnesium, chemical oxygen demand, pH, dissolved oxygen, dissolved carbon dioxide, groundwater temperature, oxygen reduction potential, conductivity, dissolved arsenic and pentachlorophenol.
2. The depth to groundwater shall be determined to at least 0.01-foot increments in all MWs within two weeks prior to the in-situ treatment. Groundwater measurements shall be taken 90 days following in-situ treatment. The depth to groundwater shall be determined to at least 0.01-foot increments in all MWs during each monitoring event. The results of each measured elevation shall be reported in tabular form as well as on groundwater gradient maps indicating the surveyed elevations of each well reference point, depth to groundwater from the reference point, and the actual groundwater elevation. The data generated from the elevation readings must be referenced to mean sea level.
3. All MWs referenced in #1 above shall be sampled 90 days following in-situ treatment and continue semiannually until groundwater characteristics affected by the treatment application return to background levels. The analyses shall be performed at a certified laboratory for dissolved iron, chloride, magnesium, chemical oxygen demand, pH, dissolved oxygen, dissolved carbon dioxide, groundwater temperature, oxygen reduction potential, conductivity, dissolved arsenic and pentachlorophenol.

Reporting

1. A groundwater elevation contour map shall be submitted for each set of measurements and include the facility groundwater flow pattern including the direction of the groundwater gradient, and the location of the wells measured.
2. The monitoring report of the initial sampling and post injection monitoring shall be submitted to this office summarizing all monitoring data collected for the in-situ treatment 120 days following in-situ treatment. Reporting of semiannual

groundwater monitoring well sampling shall be submitted semiannually and shall include a map of the facility indicating the groundwater flow direction and the location of all monitoring wells. The analytical data sheets shall be summarized in tabular form illustrating the date, the constituents, the monitoring well elevation, and the concentrations of the constituents.

Ordered by: _____

Susan A. Warner
Executive Officer

March 27, 2003

(Masonite_prsn_m&r_preliminary)