California Regional Water Quality Control Board
North Coast Region

Monitoring and Reporting Program No. R1-2010-0023
(Replaces Monitoring and Reporting Program Order No. R1-2005-0076)

For

Louisiana-Pacific Corporation

And

Freshwater Tissue Company

One TCF Drive
Samoa, California

Humboldt County

This groundwater Monitoring and Reporting Program (MRP) is issued pursuant to California Water Code Section (CWC) 13267(b) and requires monitoring of groundwater and submission of technical reports. Monitoring of groundwater wells and reports are required on a semiannual basis. 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.

Under the authority of CWC Section 13267, the Discharger named above is required to comply with the following:

MONITORING

1. The presence of floating product shall be evaluated in each monitoring well semiannually. If detected, the thickness shall be measured to at least 0.01 foot increments semiannually.

2. The depth to groundwater in each monitoring well shall be determined to at least 0.01 foot increments semiannually. Because of tidal influence on some wells, groundwater level measurements shall be taken in all wells within a short time frame on the same day so that the influence on groundwater levels is minimized and yields compatible data. The results of each measurement event 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 compatible data generated from the elevation readings must be referenced to mean sea level and used to produce groundwater elevation contour map(s) for each measurement effort.

3. Each monitoring well will be purged using traditional water evacuation techniques (3 well volumes minimum) and field parameters (pH, dissolved oxygen, oxidation/reduction potential, specific conductance, and temperature) will be measured during the purging effort using a calibrated flow-through meter and flow-

through cell or equivalent measuring device. Purging shall be considered complete when the measurements have less than 10% magnitude variation. Field logs, including all equipment calibration and measuring data, shall be included for each reporting event.

4. Each monitoring well shall be sampled according to the attached table (Attachment A) on a semiannual schedule. Samples will be collected in March and September of each year. The analyses shall be performed at a State-certified laboratory for indicated chemical analytes including volatile organic compounds (VOC) by US EPA Method 8260B; Total Petroleum Hydrocarbons as gasoline (TPHG), Total Petroleum Hydrocarbons as diesel (TPHD), Total Petroleum Hydrocarbons as motor oil (TPHMO) by US EPA Method 3510/8015M; benzene, toluene, ethylbenzene, xylene (collectively as BTEX) by US EPA Method 8260B; fuel oxygenates (including MTBE) by US EPA Method 8260B; Color by method 2120B; Total Dissolved Solids (TDS) by method 2540; Hexavalent Chromium (CR VI) by method 3500-Cr B; and dissolved metals including arsenic (As), total chromium (Cr), Manganese (Mn), and Nickel (Ni) using US EPA Method 6010/7000 series or 200.8.

5. Quality Assurance (QA) and Quality Control (QC) samples shall be collected and analyzed for each sampling event. The QA/QC samples shall contain at least 10% blind duplicates, one trip blank per day for VOC analysis, and at least 5% equipment rinsate blanks. Each report will include a comprehensive evaluation of data quality and identify all discrepancies. The discrepancies will be discussed in terms of the validity of the results and whether actions (e.g resampling) were necessary to produce valid results.

6. Well purge water shall be containerized, securely stored, and disposed of in a manner consistent with applicable regulations. Documentation for purge water disposal will accompany each report.

7. All wells and any newly installed monitoring wells will be sampled semiannually for the contaminants applicable to the Area of Interest (AOI).

REPORTING

Groundwater elevation contour map(s) shall be submitted for each semiannual set of measurements and include the facility, groundwater flow pattern including the lateral direction(s) of the groundwater gradient, and the location of the wells measured. As wells exist at different depth screened intervals, vertical hydraulic gradient magnitude and direction shall also be determined. Semiannual monitoring reports, including gradient data and sampling data, shall be submitted to this office in accordance with the following schedule:

Reporting Period	**Due Date**
October, November, December, January, February, March	**June 1st**
April, May, June, July, August, September	**December 1st**

All data and reports shall be electronically submitted in the proper format to the State Water Resources Control Board's GeoTracker database.

Ordered by _____
Catherine Kuhlman
Executive Officer

February 08, 2010

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