

North Carolina
Department of Environment and Natural Resources

Division of Waste Management

Michael F. Easley, Governor
William G. Ross Jr., Secretary
Dexter R. Matthews, Interim Director



October 15, 2001

David Haynes, Environmental Director
Weyerhaeuser Company
P. O. Box 787
Plymouth, North Carolina 27962

Fac/Perm/Co ID #	Date	Doc ID#
94-01	10/06/2001	DIN 15302

Re: Water Quality Monitoring Constituents for Weyerhaeuser Landfills.

Dear Mr. Haynes,

Weyerhaeuser industrial landfills have different groundwater monitoring requirements based upon the age, geologic setting and the type of waste received. After a review of each of the facilities' water quality sampling programs, the Solid Waste Section has determined adjustments to the water quality-monitoring program are necessary for the industrial landfills. Water quality samples require some changes to the constituents of concern for laboratory testing. Adjustments must best fit the history of each landfill and match the subsequent reporting with its defined list of constituents. These changes will provide effective information of groundwater in the review boundary of the waste management area and may reduce ongoing sampling costs.

Landfill no. 2 is an unlined facility that has been accepting waste for over twenty years. Updating the list of constituents is necessary since the type of waste placed in the no. 2 landfill has changed since opening. Include the following water quality testing parameters: pH, temperature, conductivity, sulfate, metals, and volatile organic compounds. The Solid Waste Section does not require sampling for BOD, COD, TOC, TDS, TOX, and nitrate nitrogen for landfill no.2.

Tables 1 and 2 provide a detailed list of the required metals and volatile organic compounds. Tables 1 and 2 are attached to this letter as a reference. All other sampling protocol should remain unchanged.

Landfill no.3 is a lined facility in operation since December 2000, which was designed and permitted for a specific waste. Water quality testing may be changed to more closely match the waste specified in the design application. Include the following water

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quality testing parameters: pH, temperature, conductivity, sulfate, metals and methylene chloride. Groundwater sampling for other constituents at landfill no.3 is not required by the Solid Waste Section.

Refer to Table 1 for metal constituents and use laboratory test method 601 for methylene chloride. All other sampling protocol should remain unchanged.

Semi-annual water quality reports submitted to the Solid Waste Section for landfill no.2 should include field parameters, and laboratory results for sulfate, metals and volatile organic compounds. Reporting for landfill no. 3 should include field parameters, metals, sulfate, and methylene chloride.

If you have any questions or need clarification concerning these changes, you can reach me at (919) 733-0692, extension 342 or Larry Rose at extension 257.

Sincerely,

A handwritten signature in black ink that reads "Cheryl Marks". The signature is written in a cursive, flowing style.

Cheryl Marks
Hydrogeologist
Solid Waste Section

cc: Jim Coffey, Solid Waste Section
Sherri Coghill, Solid Waste Section
Larry Rose, Solid Waste Section
Bobby Nelms, SWS Washington
Bill Morris, Weyerhaeuser Company
Kent Nilsson, RMT