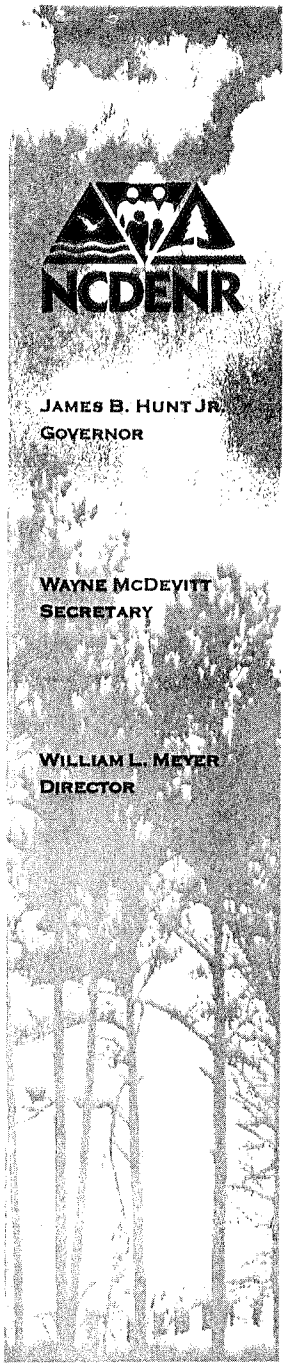

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT

October 27, 1999

Mr. Eric Burke
Environmental Engineer
Louisiana Pacific / ABTco, Inc.
P.O. Box 98
Hwy. 268
Roaring River, N.C. 28669

Fac/Perm/Co ID #	Date	Doc ID#
97-03	10/06/2011	DIN 15318

RE: Water Quality Monitoring at the Industrial Landfill -- Permit # 97-03.

Dear Mr. Burke,

The *Monitoring Well Installation and Analysis* report submitted to the Solid Waste Section addresses most of the requirements requested in the December 9, 1998 letter. Conclusions in the report suggest groundwater standards established under 15A NCAC 2L will not be exceeded in the uppermost aquifer at the compliance boundary. There are a few remaining items that need to be addressed to meliorate the groundwater demonstration.

Have there been any changes to the materials used as boiler fuel? Does the wood ash still serve as a material that could be incorporated as a soil amendment as indicated in the *Waste Analysis* report dated February 1995?

Provide a drawing indicating property boundaries. The area that needs to be defined is south and west of the landfill. A tax property map is acceptable.

There is an intermittent stream downgradient of the ash landfill. A surface water sample needs to be added to the water quality monitoring regime. The surface water sample should be taken as close to the head of the stream as reasonable. The surface water location should be staked to ensure a consistent sampling point.

An initial sampling event has been completed for the recently updated monitoring system. The sampling results verify no volatile or semi-volatile organics in the groundwater. Metal constituents detected are within acceptable groundwater standards. These results allow for modification for future sampling events. Typically a minimum of four monitoring events is required to develop an initial water quality history. Continue to include the following analysis: Field measurements -- Temperature, pH, turbidity, and specific conductivity, and total dissolved solids; RCRA metals; And Chloride.

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This information will be used as a final review to determine if hydrologic modeling will be required. The additional information and the four water quality sampling events may be sufficient to make a final determination of compliance with Rule .0503(2)(d)(ii)(A).

Please contact me if you have any questions. I can be reached at (919) 733-0692, extension 346.

Sincerely,

Cheryl Marks
Hydrogeologist
Solid Waste Section

cc: James Coffey, Supervisor
Sherri Coghill, Engineer
James Bateson, Joyce Engineering, Inc.