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North Carolina Department of Environment and Natural Resources

Dexter R. Matthews, Director

Division of Waste Management

Michael F. Easley, Governor
William G. Ross Jr., Secretary

July 30, 2007

Mr. Jim Giauque
Waste Compliance & Landfill Supervisor
Blue Ridge Paper Products, Inc.
P.O. Box 4000
Canton, North Carolina 28716

Re: Blue Ridge Paper Products Landfill #6,
Areas D and E Development Plan
Permit Number 44-06

Dear Mr. Giauque,

The Solid Waste Section has reviewed the July 10, 2007, Work Plan for the Hydrogeological Survey proposed for Areas D and E of Landfill #6. Overall the work plan seems to be satisfactory. There appears to be a reasonably good coverage of the study area with the proposed borings and piezometers.

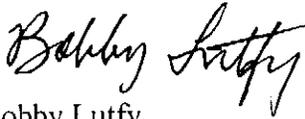
The Design Hydrogeologic Study should focus primarily on two things: 1) vertical separation requirements, and 2) understanding the hydrogeologic regime of the uppermost aquifer so as to be able to design an effective ground-water monitoring system. For vertical separation it is important to establish a top of bedrock datum plane based on auger refusal elevations for most of the boring locations. Also for vertical separation, it is important to establish seasonal high water table elevations for all piezometers.

Part of the development of an understanding of the hydrogeologic regime of the uppermost aquifer involves establishing the hydraulic characteristics (hydraulic conductivity, total porosity, and effective porosity) representative of each lithologic (hydrogeologic) unit in the area of investigation. In order to do this some of the screen intervals need to be limited to each distinct lithologic unit that could potentially have different hydraulic characteristics. Also complete soil analyses are needed representative of each lithologic unit to assist in estimating total porosity and effective porosity. Typically in mountain geologic environments the weathering profile goes from finer grained silt/clay soils, to coarser grained silt/sand soils, to partially weather rock (PWR), to fractured bedrock. Each of these lithologies usually has distinct hydraulic characteristics.

Mr. Jim Giauque
Blue Ridge Paper Landfill #6
Areas D and E Development Plan

It appears that the proposed work plan is adequate. However if any unusual features or data gaps become apparent during the investigation, modifications to the plan could become necessary. If you have any questions about this letter, or if any questions arise during the course of the hydrogeologic investigation, please contact me at (919) 508-8507.

Sincerely,



Bobby Lutfy
Hydrogeologist
Solid Waste Section

Cc: Ed Mussler Solid Waste Section
Jim Coffey SWS - Asheville
Larry Frost SWS - Asheville