



North Carolina Department of Environment and Natural Resources

Dexter R. Matthews, Director

Division of Waste Management

March 6, 2008

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

Mr. Kent Nilsson, P.E.  
RMT North Carolina, Inc.  
30 Patewood Drive, Suite 100  
Greenville, SC 29615-3535

RE: Landfill Expansion/ Permit Modification  
Louisiana-Pacific Corporation  
Roaring River, NC  
Industrial Landfill expansion  
Wilkes County, NC  
Second Additional Information Request  
Permit No. 97-03  
Tracking #4115

Dear Mr. Nilsson:

The above referenced Landfill Expansion /Permit Modification (from an existing 5 acre footprint to a landfill that covers approximately 7 acres) is being reviewed by the Solid Waste Section (SWS) for hydrogeologic concerns. The SWS received the initial application on July 17, 2007. Additional information was requested by the Solid Waste Section (SWS) on October 10, 2007. The modified permit application and additional information response was received by the SWS on February 21, 2008. There are several items in the revised application and initial application that require clarification and/or revision before the hydrogeologic review can be completed. Please respond to the following questions and comments.

*RMT Report (February 13, 2008)*

*Drawing No. 1 – Monitoring Well Locations and Inferred Groundwater Contours*

The Drawing depicts the locations of groundwater monitoring wells FA-1, FA-2, FA-3, and FA-4. Reports for the last several years, pertaining to groundwater sampling results state that groundwater monitoring well, FA-1 is no longer being sampled and was replaced by another upgradient well, FA-4. Has groundwater monitoring well, FA-1 been properly abandoned (sealed by having the casing removed and re-grouted)? If not, then this former well will need to be properly abandoned and a well abandonment form (GW-30 form) will need to be submitted before landfill construction activities commence for this expansion. Well abandonment form(s) can be downloaded from the following web site, <http://h2o.enr.state.nc.us/aps/gpu/documents/GW-30rev5-19-06.pdf>

1646 Mail Service Center, Raleigh, North Carolina 27699-1646

Phone 919-508-8400 \ FAX 919-733-4810 \ Internet <http://wastenotnc.org>

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Also, some of the historical sampling reports show that periodic sampling of the stream ("Site 4") has occurred when water is present in the stream. Please modify Drawing No. 1 to include the location of the surface water sampling location.

*RMT Report (February 13, 2008)  
Letter from NC DENR – Water Quality Monitoring (by Cheryl Marks – 10/27/99)*

Page 1 of 2 of the letter by Cheryl Marks of the Solid Waste Section (the letter is included in the last section of the permit application), states in the last paragraph, in-part, the following: *"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".*

*RMT Report (July 2007)  
Section 1 - Background*

Page 1 of Section 1 of the July 2007 RMT Report mentions that *"zinc borate sludge will be added to the ash mixture at a 3:1 sludge to ash weight ratio, with an average of 2:1 sludge to ash being placed in the landfill."*

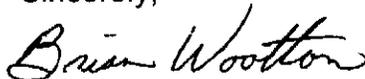
Please revise and submit the water quality monitoring plan to reflect the field measurements and constituents mentioned in the letter by Cheryl Marks, stated above (dated the 10/27/99) and also add the constituents, zinc and boron to the semi-annual sampling program obtained from existing groundwater monitoring wells, FA-2, FA-3, and FA-4 and the surface water sampling point of the stream. The revised water quality plan needs to be signed and sealed by a licensed geologist or professional engineer.

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Kent Nilsson, P.E.  
Louisiana-Pacific Corp.  
Landfill Expansion/Permit Modification  
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Please note the comments and questions mentioned above and provide additional information and revisions as needed. If you have any questions, or wish to schedule a meeting to discuss the items referenced in this letter, please call me at (919) -508-8524.

Sincerely,



Brian Wootton  
Hydrogeologist  
Solid Waste Section

cc:	Ed Mussler	Solid Waste Section
	Larry Frost	Solid Waste Section
	Central Files	