



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

November 8, 2007

Rachael P. Kirkman, P.G.  
Golder Associates NC, Inc.  
4900 Koger Boulevard, Suite 140  
Greensboro, NC 27407

RE: PTC - Volume I of II Design Hydrogeologic Report for proposed Phase 5  
East Carolina Regional Landfill- MSWLF  
Bertie County Landfill  
Permit No. 08-03

Dear Ms. Kirkman:

The above referenced Design Hydrogeologic Report application (Volume I of II) for the proposed Phase 5 expansion at the East Carolina Regional MSW Landfill in Bertie County, submitted on behalf of East Carolina Environmental, a subsidiary of Republic Services of NC, LLC is being reviewed by the Solid Waste Section (SWS) for hydrogeologic concerns. There are several items in the Report that require clarification and/or revision before the hydrogeologic review can be completed. Please respond to the following questions and comments:

*Design Hydrogeologic Report  
Section 3.2.2 Soil Testing  
Table 4 –Summary of Laboratory Soils Test Data*

Page 5, Section 3.2.2 states in-part: "Soil samples consisted of seven Shelby Tubes"....."(PZ-117B (22'-24'), and PZ-177B (48'-49.5')) and one composite split spoon sample (PZ-177A (10'-18'))".

PZ-177B and PZ-177A are probably typo errors. Please modify to read: PZ-117A and PZ-117B.

*Design Hydrogeologic Report*  
*Section 4.2.4 Layer IV Hydrogeologic Unit*  
*Table 5 – Summary of Aquifer Test Data*

Page 10, Section 4.2.4 states in-part: "Hydraulic conductivity derived from aquifer testing of piezometers in and around Phase 5 and screened in Layer II ranged from 2.12E-05 cm/sec to 5.23E-04 cm/sec with an average hydraulic conductivity value of 9.94E-05cm/sec".

Layer II is probably a typo error. Please modify to read: Layer IV.

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Please note the comments and questions raised above and provide additional information and revisions as needed. If you have any questions please call me at 919-508-8524.

Sincerely,



Brian Wootton  
Hydrogeologist  
Solid Waste Section

cc: Dusty Y. Reedy II, P.G. Golder Associates, NC, Inc.  
Ed Mussler Solid Waste Section  
Donna Wilson Solid Waste Section  
Central File Solid Waste Section