



North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

November 7, 2011

Mr. Charlie Brushwood, Landfill Director
1242 Old Highway 29
Thomasville, NC 27360

Re: Approval of Supplemental Geologic Report for Site Suitability - August 2011
Davidson County Phase 2 MSW Landfill
Davidson County, North Carolina
Permit No. 29-06
Doc ID No. 15537

Dear Mr. Brushwood:

The Solid Waste Section has reviewed the subject Site Suitability Supplemental Geologic Report by Richardson Smith Gardner & Associates, dated August 26, 2011, pertaining to further hydrogeological investigation of two areas of Phase 2 located at the northeast portion (Area A) and southwest portion (Area B) that warranted further hydrogeological evaluation because of groundwater located below bedrock and inconclusive groundwater flow directions.

The majority of Phase 2 was approved for site suitability by the Solid Waste Section on March 5, 2007 (Doc ID No. RCO1035) with the exception of the two (2) areas located at the northeast and southwest portions of Phase 2. As noted in the approval letter of site suitability, (March 5, 2007) Option A as shown on Sheet 4A Drawing No. S3A (revised October 13, 2006) in the approved Facility Plan excluded these two areas for landfill use. The Facility Plan also included an Option B as shown on Sheet 3A Drawing No. Sheet S2A (revised October 13, 2006) that depicts use of these two areas for landfill activities. The facility boundary of Phase 2 remains the same.

Based on historical and recent supplemental hydrogeologic documentation obtained from numerous borings and piezometers provided by RMG, sufficient data has been gathered to evaluate the groundwater flow regime and potential monitorability at these two areas (designated as Area A and Area B) in the areas of the site.

As stated in the subject supplemental report, *“further investigation of these areas will be completed during the Permit to Construct application phase for each of these areas. At that time, groundwater monitoring well location and monitoring network modifications will be recommended to include areas as they are permitted”*.

If you have questions, please contact me at 919-707-8258. Also, my e-mail address is
Brian.Wootton@ncdenr.gov

Sincerely,



Brian Wootton
Hydrogeologist

cc: Joan A. Smyth
Pieter Scheer,
Ed Mussler,
John Murray,

Richardson Smith Gardner & Associates
Richardson Smith Gardner & Associates
Solid Waste Section
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