



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

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

February 4, 2009

Mr. Dan Lamontagne
Highway 55 C&D Landfill, LLC
5940 Old Smithfield Road
Apex, North Carolina 27539-5351

Re: Permit to Construct Application - Design Hydrogeology Review
Highway 55 C&D – Phase II
Wake County
Permit No. 92-30
Doc ID # 6748

Dear Mr. Lamontagne,

A review of the Construction Plan Application for the Highway 55 C&D Landfill Phase 2 dated August 2007, prepared on your behalf by BP Barber, for the above referenced facility has been completed by the Division of Waste Management, Solid Waste Section. More specifically, a technical review of the design hydrogeologic report has been completed according to 15A NCAC 13B .0535(a)(1) and .0538(b). The following issues need to be addressed prior to approval.

1. There is no list of the Appendices or Figures in the Table of Contents. Submit new pages with a list of the Appendices and a list of the Figures with their respected titles.
2. The downgradient monitoring wells (MW-8 through MW-11) listed in the Water Quality Monitoring Plan (Appendix H) are not downgradient of the proposed Phase 2 area. This is based upon reviewing the groundwater contours on the Seasonal High Groundwater Elevation Map where the groundwater is flowing in a westerly direction. New downgradient monitoring wells need to be selected. Submit a new page stating the new monitoring well locations in the Water Quality Monitoring Plan.
3. When sampling the surface water points, make sure not to rinse out the 40mL VOA vials with creek water before taking the sample. This will cause the preservative to be lost.
4. Turbidity should be added to the field parameters measured.
5. When transferring the surface water from the 500mL sample bottle, make sure to fill the 40mL VOA vial first, then the metals container.
6. The application is not sealed by a Licensed Geologist, in accordance with 15A NCAC 13B.0538(b)(2)(J).



If you have any questions or concerns, please contact me via email Elizabeth.werner@ncmail.net or at (919) 508-8496.

Sincerely,

Elizabeth S. Werner

Cc: Scott L. Brown, PE – BPB
John Murray – SWS
Brad Bailey - SWS