BC 6/28/10

March 30, 2006

MEMORANDUM

To: John Murray

From: Brian Wootton

RE: Final Comments – North Mecklenburg C&D Landfill Expansion -- Area II Site Application Report (Design Hydrogeologic Study), Phases 2&3
Water Quality Monitoring Plan –
Engineering Site Application Report
Mecklenburg County
Permit No. 60-13

I have reviewed the Site Plan Application Report (Addendum 2005, by Enviro-Pro), Area II expansion, proposed phases 2 & 3 and the C&D Landfill Permit Application/ Engineering Report (October 27, 2005) by B.P. Barber & Associates, pertaining to hydrogeologic concerns. The Enviro-Pro application was received by the Solid Waste Section (SWS) on February 7, 2006 and subsequent supporting information (i.e. B.P. Barber & Associates Engineering Report) was received on March 28, 2006.

Prior to construction activities commencing, the Solid Waste Section requests the following information is addressed from the permittee.

Prior to construction of Phase 2 & 3 cells, all piezometers, ground-water monitoring wells, and borings, located in the proposed cell(s), are to be abandoned (sealed) by overdrilling first (exception of non-cased borings) and sealing each with cement grout according to 15A NCAC 2C .0113 (b)(1), "procedures for permanent abandonment of wells". In portions of the site where soil areas to be undercut, do not grout the wells up to pre-grade land surface, but up to proposed base grade surface in order to prevent cutting off excess vertical grout and possibly damaging the grouted wells.

Submit copies of Well Abandonment Records for each piezometer, ground-water monitoring well, and boring abandoned according to 15A NCAC 02C. 0114(b).

Construction Conditions: (Include these conditions in the Permit to Construct)

The owner's geologist shall examine the cell excavation and note any pertinent geologic features exposed during the construction process and shall notify the

Solid Waste Section Hydrogeologist of these findings prior to placement of any liner materials.

The owner's geologist shall be in the field to supervise all well installations. Any modifications to the approved water quality monitoring plan require approval by the Section Hydrogeologist. Documentation of all changes to the approved plan shall be submitted with the well construction records.

Ground-water and surface water sampling shall adhere to the modified plan in the December 2005 Site Application Report by Enviro-Pro.

Pre-Operational Condition: (Include this condition in the Permit to Construct)

Ground water monitoring wells and surface water sampling locations shall be sampled for the Appendix 1 (VOC's and RCRA Metals) constituents list prior to issuing the Permit to Operate.

Please contact me with any questions or comments. I can be reached at (919) 508-8524 or by e-mail.

Sincerely,

Brian Wootton

Brian Wootton

cc: Ed Mussler, Solid Waste Section
Central File