



North Carolina Department of Environment and Natural Resources

Division of Waste Management

Dexter R. Matthews
Director

Beverly Eaves Perdue
Governor

Dee Freeman
Secretary

March 17, 2010

Mr. Buddy Norris
Avery County Solid Waste Director
P. O. Box 640
Newland, North Carolina 28657

Subject: Avery County C&D Landfill Expansion
Revised Site Hydrogeologic Report
Permit 06-03
Doc ID 9989

Dear Mr. Norris:

The Solid Waste Section (SWS) approves the Revised Site Hydrogeologic Report (plan) for the Avery County C&D Landfill Expansion. Richardson Smith Gardner & Associates (RSG) submitted the plan, which has been entered into the SWS record as Doc ID 9960. The plan meets specifications listed in 15A NCAC 13B .0538 (a) and supplements the report entitled "Hydrogeologic Investigation Report" in Appendix C of the Revised Site Study submitted in April, 2008 (Doc ID 4444). The plan also incorporates approved work described in prior correspondence between the SWS and RSG (Doc ID 7035 and Doc ID 6809).

This approval pertains to suitability of the site for landfill expansion north and west of existing Phases 1, 2, and 3. Pursuant to Regulation 15A NCAC 13B .0538 (b), "more detailed and localized data" should be presented in a Design Hydrogeologic Report when applying for a Permit to Construct permit for areas beyond the aforementioned phases. The boring density for that report is "one boring per acre" of investigated area. On maps depicting future phases, show the location of Phase 3.

Please note that some discrepancy exists between the hard copy and electronic copy of the plan. One, neither the hard copy or electronic copy of the plan included the revised Table 7 mentioned in the cover letter. Two, the hard copy contained a Figure 1 that had not been inserted in the electronic copy. The electronic copy will be used as the official record.

Perimeter wells in landfill gas monitoring plans, wells outside the waste boundary, are now reviewed by the SWS hydrogeologists in addition to groundwater monitoring plans. A landfill

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gas monitoring plan should meet specifications listed in Regulation 15A NCAC 13B .0544(d).
The landfill gas monitoring plan can be submitted with the Design Hydrogeologic Report.

Please contact me if you have any questions. I can be reached at 919-508-8401 or at
zimuth.barbee@ncdenr.gov.

Sincerely,

Zinith Barbee

Zinith Barbee
Hydrogeologist
Solid Waste Section

cc: Joan Smyth RSG
 Allen Gaither SWS/ARO
 Bill Wagner SWS/ARO
 Ed Mussler SWS Permitting Branch
 Central File