



North Carolina Department of Environment and Natural Resources

Division of Waste Management

Beverly Eaves Perdue  
Governor

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Director

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January 13, 2011

Mr. Sid Williamson  
Solid Waste/Recycling Manager  
Environmental Compliance Branch  
Environmental Sustainment Division  
Directorate of Public Works  
Fort Bragg, NC 28310

Re: Permit to Construct Application – Design Hydrogeology Review  
Fort Bragg C&D – Phase II  
Cumberland County, North Carolina  
Permit No. 26-08  
Doc ID No. 12697

Dear Mr. Williamson:

The Solid Waste Section (Section) has reviewed the Design Hydrogeologic Report for Phase II of the Fort Bragg C&D landfill submitted as part of the Construction Permit Application by HDR Engineering, Inc. on your behalf on May 28, 2010. The Water Quality Monitoring Plan is unchanged from the original plan approved in April 2004 (revised August 2004). The plan includes 13 monitoring wells with 11 monitoring wells being downgradient, which are MW-3s, MW-3, MW-6, MW-8, MW-9, MW-9s, MW-9d, MW-10, MW-14R, MW-15R, MW-16 and two monitoring wells being upgradient, which are MW-4 and MW-7. The Section agrees with the submitted Water Quality Monitoring plan. However, in order for the Section to approve the Water Quality Monitoring Plan, it must be signed and sealed by a registered North Carolina Professional Geologist. Please submit a revised plan with the signature and seal of a NC Professional Geologist.

During the review, the Section noticed monitoring points on the Monitoring Plan figure (Sheet 14) labeled GP-1 through GP-13. Mr. Thomas Yanoschak of HDR confirmed that these monitoring points were gas probes. Mr. Yanoschak also stated these gas probes were being sampled on a monthly basis. After conducting a file search, it was discovered the facility has not submitted a landfill gas monitoring plan. A landfill gas monitoring plan must be submitted in order for the Design Hydrogeology portion of the Construction Permit Application to be approved. Please use the Section's landfill gas monitoring guidance document as a reference before submitting the plan. The guidance document can be found at <http://portal.ncdenr.org/web/wm/sw/envmonitoring>.

If you have any questions, please do not hesitate to contact me via email  
[Elizabeth.werner@ncdenr.gov](mailto:Elizabeth.werner@ncdenr.gov) or phone (919) 508-8496.

Sincerely,



Elizabeth S. Werner  
Hydrogeologist  
Solid Waste Section

cc: Thomas Yanoschak, HDR  
Drew Hammonds, SWS  
Dennis Shackelford, SWS  
Geof Little, SWS  
Ed Mussler, SWS  
Ervin Lane, SWS  
Central File