



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

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

April 12, 2010

Mr. Andy Davis
Solid Waste Director
PO Box 1728
Wilson, North Carolina 27894

Re: Technical Review of Water Quality Monitoring Plan
Wilson County Westside C&D Landfill Facility
Permit No. 98-09; Document ID No. (DIN) 10337

Dear Mr. Davis:

The NC Solid Waste Section (SWS) has completed a technical review of the Water Quality Monitoring Plan submitted as Attachment H of the January 2010 Permit Amendment Application for the Wilson County Westside C&D Landfill Facility and has the following comments:

The Water Quality Monitoring Plan (WQMP) recently submitted was unchanged from the 2004 WQMP included in the 2004 Construction Plan Application. The WQMP must be updated to meet the requirements of 15A NCAC 13B .0544 MONITORING PLANS AND REQUIREMENTS FOR C&DLF FACILITIES, preferably as a stand-alone document with a set of maps and figures illustrating, at a minimum, the following: site location; site topography; drainage and surface water features including wetlands, creeks, the swamp; potentiometric surface and groundwater flow direction; groundwater monitoring well locations; and surface water sampling locations. In order to detect the effects of the facility operations on surface water in the area, surface water samples must be collected in both upgradient and downgradient locations.

Solid Waste Section Guidelines for Groundwater, Soil and Surface Water Sampling are located at <http://www.wastenotnc.org/swhome/EnvMonitoring/SolidWasteSamplingGuidance>. This guidance document has been updated in the period of time since the last permit was issued for this site.

Additionally, as a requirement of 15A NCAC 13B .0544(d), a gas control plan must be submitted to the SWS for approval. Owners and operators of all C&DLF units must implement a routine methane monitoring program to ensure that the concentration of methane gas or other explosive gases generated by the facility does not exceed 25 percent of the lower explosive limit at the facility property boundary or in on-site facility structures and does not releases any methane gas or other explosive gases in any concentration in off-site structures.

Enclosed is a copy of the draft NC SWS Landfill Gas Monitoring Plan Guidance for assistance in preparing a Landfill Gas Monitoring Plan. The SWS anticipates finalizing this guidance document in the near future and publishing it on our SWS website.

If you have any questions, you may contact me at (919)508-8506.

Sincerely,



Christine Ritter
Hydrogeologist
Solid Waste Section

Enclosure

cc: Ming-Tai Chao, DWM
Ed Mussler, DWM
Ben Barnes, DWM
Dennis Shackleford, DWM
Gary W. Ahlberg, P.E., Blackrock Engineers, Inc.
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