



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

Beverly Eaves Perdue  
Governor

Dexter R. Matthews  
Director

Dee Freeman  
Secretary

July 2, 2012

Brian D. Rubino, P.G.  
Quible & Associates, P.C.  
P.O. Drawer 870  
Kitty Hawk, NC 27949

Re: Groundwater Monitoring Modification Request  
Closed Avoca Landfill, Permit# 08-02

Dear Mr. Rubino:

The Solid Waste Section (Section) has reviewed the May 2012 groundwater monitoring report which also contained a request to eliminate volatile organic compound (VOC) analysis and reduce the monitoring frequency from semi-annual to annual. The lack of VOC detections during previous monitoring events, trend of relatively low metals concentrations, absence of nearby groundwater supply wells, and presence of nearby wetlands as the only receptor were cited as reasons for terminating VOC analysis and reducing the monitoring frequency.

Based on the reasons mentioned above, the Section approves reducing the groundwater monitoring frequency from a semi-annual to annual basis. In order to ensure continued protection of human health and the environment from possible changes in future site conditions, VOCs should be analyzed every five years instead of being permanently eliminated from groundwater monitoring.

Please contact me at 919-707-8288 or by email at [erwin.lane@ncdenr.gov](mailto:erwin.lane@ncdenr.gov) if you have any questions or concerns regarding this correspondence.

Sincerely,

Ervin Lane  
Hydrogeologist  
Environmental Compliance  
Solid Waste Section

cc: Mark Poindexter, Field Operations Branch Head  
Dennis Shackelford, Eastern District Supervisor  
Ben Barnes, Environmental Senior Specialist  
Solid Waste Central Files