

# North Carolina Department of Environmental Quality

Pat McCrory  
Governor

Donald R. van der Vaart  
Secretary

October 1, 2015

Mr. Simon Lobdell, P.E.  
City of Durham Department of Water Management  
1600 Mist Lake Drive  
Durham, NC 27704

Re: Methane Monitoring Network Revision  
City of Durham Closed Municipal Solid Waste Landfill, Permit #32-01

Dear Mr. Lobdell,

The Solid Waste Section (Section) has reviewed the *Request for Methane Monitoring Network Revision* (DIN# 25067) prepared by Golder Associates (Golder).

The methane monitoring location identified as GP-14 is currently located near the southwestern portion of the waste unit in an area upgradient from a wetland. Golder has requested to remove landfill gas monitoring well GP-14 from the methane monitoring network due to the constant presence of groundwater in the screened interval, preventing accurate measurement of methane concentrations. In addition, Golder also stated that GP-14 is not necessary since the wetland located downgradient serves as a natural barrier to landfill gas migration.

The Section approves the requested modification to the landfill gas monitoring network and the City of Durham is allowed to proceed with its implementation.

If you have any questions or additional requests, please feel free to contact me at (919) 707-8288 or by e-mail at [ervin.lane@ncdenr.gov](mailto:ervin.lane@ncdenr.gov). Thank you in advance for your anticipated cooperation with this matter.

Sincerely,

Ervin Lane  
Compliance Hydrogeologist  
Solid Waste Section

cc: Dusty Reedy, P.G., Golder Associates  
Jason Watkins, Field Operations Branch Head  
Deb Aja, Western District Supervisor  
John Patrone, Environmental Senior Specialist