



PAT MCCRORY  
*Governor*

DONALD R. VAN DER VAART  
*Secretary*

MICHAEL SCOTT  
*Director*

July 25, 2016

Ms. Nina Underwood  
City of Albemarle Public Works  
144 North 2<sup>nd</sup> Street  
Albemarle, NC 28001

Re: Methane Monitoring Network Revision  
City of Albemarle – Active C&D and Closed MSWLF, Permit #84-01

Dear Ms. Underwood,

The Solid Waste Section (Section) has reviewed the proposal to install new landfill gas monitoring probes (DIN# 26506) submitted by Shield Engineering, Inc. (Shield). Landfill gas has been detected at levels exceeding the lower explosive limit in probes MP-9 and MP-12 during recent monitoring events. Monitoring probes MP-9 and MP-12 were installed in close proximity to the western waste boundary prior to the purchase of additional land for use as buffer. Shield has requested to install new landfill gas probes (MP-31 and MP-32) within the recently purchased property to replace existing probes MP-9 and MP-12.

The Section approves the requested modification to the landfill gas monitoring network and the City of Albemarle is allowed to proceed with its implementation. The City of Albemarle should conduct landfill gas monitoring probe installation and abandonment in accordance with 15A NCAC 02C .0100, in addition to submitting installation and abandonment records to the Section. The City of Albemarle should also submit a revised landfill gas monitoring plan reflecting the monitoring network modification.

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: David Wallace, P.E., Shield Engineering, Inc.  
Jason Watkins, Field Operations Branch Head  
Deb Aja, Western District Supervisor  
Teresa Bradford, Environmental Senior Specialist  
Perry Sugg, P.G., Permitting Hydrogeologist