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January 9, 2014

Mr. Ervin Lane
Compliance Hydrogeologist
Division of Waste Management/Solid Waste Section
1646 Mail Service Center
Raleigh, NC 27699-1646

**RE: Wilkes County Germantown Landfill, Permit Number 97-01
First Quarterly Gas Monitoring Results of 2014
JOYCE Project No. 356.1301.12, Task No. 06**

Dear Kent:

Attached to this letter is the landfill gas monitoring log from the January 8, 2014 first quarterly monitoring event at the Wilkes County Germantown Landfill, Permit Number 97-01. During this event, Joyce Engineering (JOYCE) monitored three gas probes and three on-site structures for the presence of landfill gas. Methane was detected above the lower explosive limit (LEL) in gas probe BP-1. A bar-hole probe for BP-1 (BHP-1) was used 50 ft. towards the boundary of the landfill in which no methane was detected. No methane was detected in any of the other gas probes or in the on-site structures during this monitoring event. A copy of the monitoring results will be placed in the records for this facility. If we can provide any additional information, please call me or Larry Hiline at (336) 323-0092.

Sincerely,
JOYCE ENGINEERING

A handwritten signature in black ink that reads "Adam Cox".

Adam Cox
Field Consultant

Attachments: Landfill Gas Monitoring Log

C: Kent Brandon, Solid Waste Director

Landfill Gas Monitoring Data Form

Facility Name: Germantown Closed Landfill Permit Number: 97-01
 Date of Sampling: 01/08/14 Personnel: A. Cox
 Gas Monitor Type & Serial Number: GEM 2000 5194 Calibration Date: 01/30/13
 Field Calibration Date & Time: 01/08/14 1239 Calibration Gas Type: 50% CH₄, exp. 02-2014
 General Weather Conditions: Sunny 30's Barometer: 30.51 In-Hg

Location or LFG Well ID	Instr. purged	Time	Probe Pressure (In Wg)	Time Pumped (sec.)	CH ₄ (%Vol)	CH ₄ (%LEL)	Limit (%LEL)	Notes
BP-1	Y	1243	0.20	30	42.7	854.0	100.0	
BP-2	Y	1250	0.00	30	0.0	0.0	100.0	
BP-4	Y	1256	0.16	30	0.0	0.0	100.0	
Barn	Y	1309	-	Continuous	0.0	0.0	25.0	
Garage	Y	1306	-	Continuous	0.0	0.0	25.0	
Office	Y	1259	-	Continuous	0.0	0.0	25.0	

Abbreviations: LEL= Lower Explosive Limit
 BP = Boundary Probe
 BH = Bar-hole

