



97-01  
Waste Industry Experts

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April 2, 2010

Mr. Kent Brandon  
Solid Waste Director  
Wilkes County Department of Solid Waste  
P.O. Box 389  
Roaring River, NC 28669

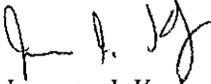
**RE: Wilkes County Germantown Landfill, Permit Number 97-01  
First Quarterly Gas Monitoring Results of 2010  
JEI Project No. 356.0900.11, Task No. 03**

Dear Kent:

Attached to this letter is the landfill gas monitoring log from the March 23, 2010, first quarterly event at the Wilkes County Germantown Landfill, Permit Number 97-01. During this event, Joyce Engineering, Inc. (JEI) monitored ten barhole probes and three on-site structures for the presence of landfill gas. Methane was detected above the Lower Explosive Limit in BHP-6. Another barhole probe, BHP-6B, was sampled approximately thirty feet down slope from BHP-6, and no methane was detected. Methane was not detected in any of the other barhole probes or in the on-site structures during this monitoring event.

If we can provide any additional information, please call me or Kim Benson at (336) 323-0092.

Sincerely,  
**JOYCE ENGINEERING, INC.**

  
Jeremy J. Kerly, P.G.  
Project Consultant

Attachments:

Landfill Gas Monitoring Log  
Drawing No. 1 – Quarterly Landfill Gas Monitoring Locations



# LANDFILL GAS MONITORING LOG

Facility: Wilkes County - Germantown Date: 3/23/10

General Weather Conditions: Partly Cloudy

Atmospheric Temperature: 50's Sampling Personnel: R. Winfield

Sampling Equipment Used: ATX 620, UEL EM201

Sampling Methodology: Purge + Sample barhole probes, Sample ambient air in buildings

Sample Location	Barometric Pressure (in. Hg)	Time	Percent Methane (%)	Percent Carbon Dioxide (%)	Percent Oxygen (%)	Percent Balance Gas (%)	Static Pressure (inches of water)
BHP-1	29.82	13:02	0	-	-	-	-
BHP-2	29.82	13:05	0	-	-	-	-
BHP-3	29.82	12:40	0	-	-	-	-
BHP-4	29.82	12:42	0	-	-	-	-
BHP-5	29.82	12:44	0	-	-	-	-
BHP-6	29.82	12:48	6.0	-	-	-	-
BHP-6B	29.82	12:51	0	-	-	-	-
BHP-7	29.82	12:54	0	-	-	-	-
BHP-8	29.82	12:56	0	-	-	-	-
BHP-9	29.82	12:59	0	-	-	-	-
Barn	29.82	12:24	0	-	-	-	-
Garage	29.82	12:31	0	-	-	-	-
Offices	29.82	12:36	0	-	-	-	-

Notes: Checked around perimeter of garage and offices, doors were locked

R. Winfield, SEI 3/23/10

