



February 26, 2010

Mr. William W. Hill, Jr., M.P.H. - Health Director
Nash County Health Department
P. O. Box 849
Nashville, NC 27856

RE: Results of Landfill Gas Monitoring – February 2010
Nash County Municipal Solid Waste Landfill
Nashville, Nash County, North Carolina
Permit # 64-01

Dear Mr. Hill:

This letter presents the results of landfill gas monitoring conducted at the site referenced above on February 25, 2010. Landfill gas was monitored using a calibrated GEM-500 landfill gas monitor at the on-site gas monitoring probes, as well as within the on-site structures and within the crawl space of a private residence located on an out parcel approximately 350 feet east of the facility. The results of monitoring at each of the gas monitoring probes are summarized in the following table.

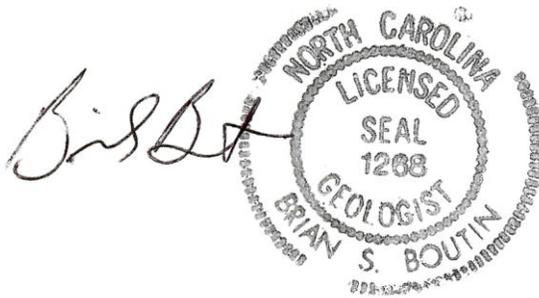
Gas Probe ID	% Lower Explosive Limit	% Methane
GP-1 Shallow	0.0	0.0
GP-1 Deep	0.0	0.0
GP-2	0.0	0.0
GP-3 Shallow	0.0	0.0
GP-3 Deep	0.0	0.0
GP-3R Shallow	0.0	0.0
GP-3R Deep	0.0	0.0
GP-4 Shallow	0.0	0.0
GP-4 Deep	0.0	0.0
GP-4R Shallow	0.0	0.0
GP-4R Deep	0.0	0.0
GP-5 Shallow	>100.0	20.9
GP-5 Deep	0.0	0.0
GP-5R Shallow	0.0	0.0
GP-5R Deep	0.0	0.0
GP-6	0.0	0.0
GP-7	>100.0	27.7

GP-7R Shallow	0.0	0.0
GP-7R Deep	0.0	0.0
GP-8	0.0	0.0

Landfill gas was not detected in any of the on-site structures or in the crawl space of the nearby residence. The landfill gas readings at GP-5 Shallow and GP-7 exceeded 100% lower explosive limits (LEL). It is noted, however, that the readings measured at gas monitoring probes GP-5 and GP-7 are similar to past readings and are indicative of soil gas conditions proximal to the buried waste. Access to the site in the vicinity of these probes is restricted to trained landfill personnel who are aware of these conditions. The results of the February 2010 landfill gas monitoring are consistent with previous monitoring completed at the site, indicating that landfill gas is not migrating laterally away from the buried waste. Consequently, there does not appear to be an immediate risk associated with the migration of landfill gas at the facility.

The next quarterly landfill gas monitoring event is scheduled for May 2010. If you have any questions or require further assistance regarding this matter, please do not hesitate to call me at 919-995-0363.

Sincerely,



Brian S. Boutin, P.G.
Consulting Geologist

Cc: Jaclynne Drummond, NCDENR, Division of Waste Management, Solid Waste Section
Matthew Richardson – Nash County Landfill
Vance Moore, P.E., Garrett and Moore, Inc.