Periodic Methane Monitoring Report

Monitoring Date:	26 June 2012	**Facility Name:**	Longstreet Road MSW Landfill
Facility Permit #:	#26-02	**Monitoring Personnel (Name/Position):**	Jeff Sloop Solid Waste Support Tech
NC Landfill Rule:	0.1600	**Monitoring Personnel (Name/Position):**	
County (Location):	Cumberland	**Equipment Field Calibrated by:**	Jeff Sloop
Equipment Type:	GEM 2000 plus	**Manufacturer Cal/Service Date:**	June 22 2012
Equipment Serial #:	GM 12027/09	**Date/Time of Field Calibration:**	26 June 2012 1328
Calibration Gas:	O_2, CH_4, CO_2 Nitrogen	**Cal Gas Expiration Date:**	April 2014
Meter pump rate:	N/A		

Gas Monitoring Wells

Monitoring Point ID	Time	Initial %CH4	Initial %LEL	Purge Time	Stable %CH4	Stable %LEL	Stable %O2	Stable %CO2
Gas MW-1	1432	52.7	>	1434	52.5	>	.3	39.5
Gas MW-2	1405	36.8	>	1407	36.2	>	.5	33.0
Gas MW-3								
Gas MW-4	1410	13.3	>	1412	13.1	>	.1	22.4
Gas MW-5								
Gas MW-6								
Gas MW-7								
Gas MW-8	1426	47.8	>	1428	48.0	>	.3	36.9
Gas MW-9								
Gas MW-10								
Gas MW-11	1506	8.2	>	1508	5.8	>	2.8	19.7
Gas MW-12	1459	38.1	>	1501	37.7	>	.3	36.8
Gas MW-13	1450	30.9	>	1452	31.1	>	.8	33.0
Gas MW-14	1445	60.8	>	1447	60.9	>	.1	38.8
Gas MW-15	1439	40.2	>	1441	40.2	>	.2	38.3

Notes:

Facility Structures

Monitoring Point ID	Time	Initial %CH4	Initial %LEL	Purge Time	Stable %CH4	Stable %LEL	Stable %O2	Stable %CO2
Former Scalehouse								
Wash Rack Control Booth								
O-9388								
O-9389								

Drawings identifying location where each building sampled (include north arrow):

Former Scale House

Wash Rack Control Booth

O-9388

O-9389

Climatic/Physical Conditions at Site

Samples must be collected under normal/average conditions of temperature, pressure, and climate for the season. Barhole punch sampling should not be performed during or immediately after rain events, or when soils are saturated or frozen. **All sampling must be performed after 12:00 pm** (subsurface gases have a diurnal cycle and generally are at a maximum during the afternoon), and preferably when barometric conditions are not rising (subsurface gas pressures will be less than atmospheric pressure under these conditions and gas will therefore not migrate), or representative samples may not be obtained. Barometric information can be obtained from many locations (i.e. http://weather.noaa.gov).

a. Soil Conditions: _____

b. Weather Conditions: Sunny Wind NNE 18mph

c. Temperature: 79°F

d. Barometric Conditions: (Rising) Falling Steady x Reading 29.87 mmHg

e. Relative Humidity within range of 10%-90%? Value: 32%

f. Condition and Access: Are all monitoring points identified in the field (signage) in accordance with approved monitoring plan; are they secured; has the owner/operator maintained access? If no, explain in space provided below.

g. If stressed vegetation is noted, describe the extent and location in the space provided below.

Description of Sampling Techniques: (e.g., wells are vented or not, barhole punch methodology, etc.)

Additional Comments:

None

Certification:

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

SIGNATURE

Solid Waste Manager
TITLE