Periodic Methane Monitoring Report

Monitoring Date:	2-28-12	**Facility Name:**	Longstreet Road MSW Landfill
Facility Permit #:	#26-02	**Monitoring Personnel (Name/Position):**	R Hill
NC Landfill Rule:	0.1600	**Monitoring Personnel (Name/Position):**	M Cook
County (Location):	Cumberland	**Equipment Field Calibrated by:**	R Hill
Equipment Type:	GEM 2000	**Manufacturer Cal/Service Date:**	2-20-12
Equipment Serial #:	GM1161310	**Date/Time of Field Calibration:**	2-28-12 1309
Calibration Gas:	O2 - 4% CH4 50%	**Cal Gas Expiration Date:**	O2 - April 2014 ; CH4 - July 2014 / CO2 - July 2014
Meter pump rate:			

Gas Monitoring Wells

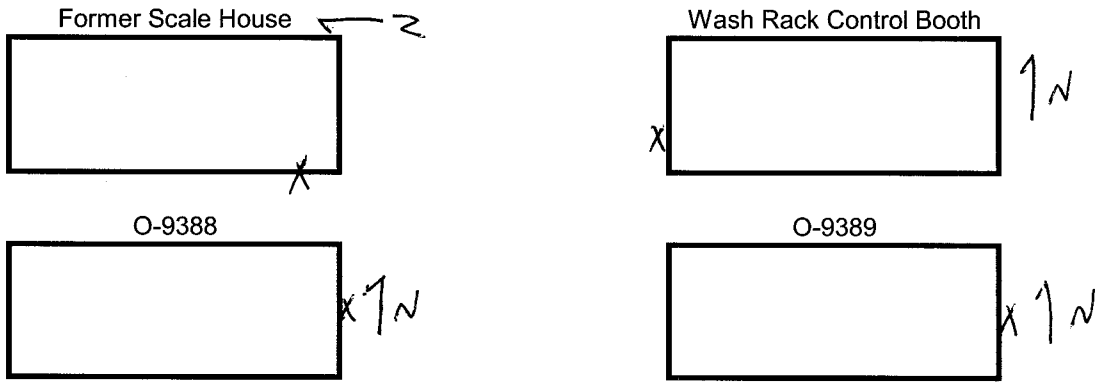
Monitoring Point ID	Time	Initial %CH4	Initial %LEL	Purge Time	Stable %CH4	Stable %LEL	Stable %O2	Stable %CO2
Gas MW-1	1510	0.0		1512	19.3		0.0	30.0
Gas MW-2	1615	0.0		1616	24.6		0.6	20.6
Gas MW-3	1612	0.0		1613	0.0		3.0	18.6
Gas MW-4	1605	0.0		1606	6.3		0.2	19.2
Gas MW-5	1608	0.0		1610	0.0		5.9	10.6
Gas MW-6	1555	0.0		1556	0.0		18.4	2.8
Gas MW-7	1558	0.0		1559	0.0		21.4	0.1
Gas MW-8	1520	0.0		1521	31.7		0.1	27.7
Gas MW-9	1524	0.0		1526	0.0		10.6	10.0
Gas MW-10	Destroyed	0.0		—	—		—	—
Gas MW-11	1448	0.0		1450	12.4		0.0	14.7
Gas MW-12	1444	0.0		1445	34.5		0.1	31.8
Gas MW-13	1440	0.0		1442	13.9		2.3	22.9
Gas MW-14	1500	0.0		1502	23.1		1.3	23.1
Gas MW-15	1505	0.0		1506	38.3		0.1	32.6

Notes:

Facility Structures

Monitoring Point ID	Time	Initial %CH4	Initial %LEL	Purge Time	Stable %CH4	Stable %LEL	Stable %O2	Stable %CO2
Former Scalehouse	1513	0.1		1514	0.1		21.4	0.0
Wash Rack Control Booth	1545	0.0		1546	0.0		21.5	0.0
O-9388	1547	0.0		1548	0.0		21.6	0.0
O-9389	1548	0.0		1549	0.0		21.6	0.0

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



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: Damp

b. Weather Conditions: Sunny, Warm

c. Temperature: 70°F

d. Barometric Conditions: Rising Falling Steady x Reading 30.08mmHg

e. Relative Humidity within range of 10%-90%? Value: 38%

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:

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

Physical Scientist EN-GG

TITLE