

Periodic Methane Monitoring Report

Monitoring Date: 7/3/12

Facility Name: Longstreet Road MSW Landfill

Facility Permit #: #26-02

Monitoring Personnel (Name/Position): R.H. Hill

NC Landfill Rule: 0.1600

Monitoring Personnel (Name/Position): T. Teasley

County (Location): Cumberland

Equipment Field Calibrated by: R.H. Hill

Equipment Type: GEM 200

Manufacturer Cal/Service Date: 7/3/12

Equipment Serial #: 11358

Date/Time of Field Calibration: Feb. 26/15

Calibration Gas: O2 - 4% CH4 - 50% Cal Gas Expiration Date:

1400

Meter pump rate:

Gas Monitoring Wells

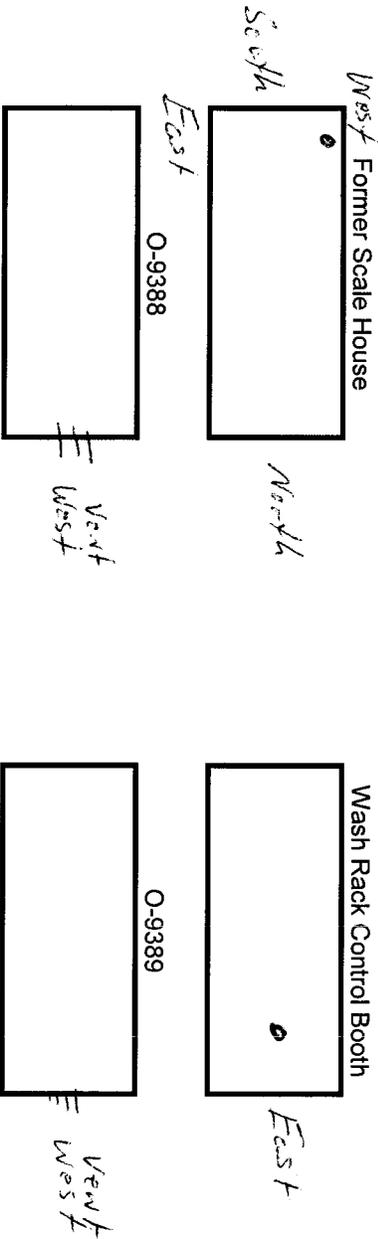
Monitoring Point ID	Time	Initial %CH4	Initial %LEL	Purge Time	Stable %CH4	Stable %LEL	Stable %O2	Stable %CO2
Gas MW-1	1557	1.2		1 min	54.8		1.9	36.8
Gas MW-2	1628	1.7		1 min	22.3		1.7	25.1
Gas MW-3	1631	1.1		1 min	1.1		11.4	16.4
Gas MW-4	1636	0		1 min	21.5		1.2	23.0
Gas MW-5	1640	1.1		1 min	1.3		8.3	10.9
Gas MW-6	1646	0		1 min	0		16.5	4.5
Gas MW-7	1650	0		1 min	0		21.1	1.1
Gas MW-8	1617	1.3		1 min	53.7		0	38.9
Gas MW-9	1621	1.1		1 min	1.5		13.3	7.2
Gas MW-10	Destroyed							
Gas MW-11	1546	1.1		1 min	50.1		0	29.9
Gas MW-12	1542	0		1 min	29.4		1.2	33.5
Gas MW-13	1539	1.7		1 min	16.8		1.1	27.6
Gas MW-14	1608	1.4		1 min	57.4		1.2	42.1
Gas MW-15	1603	1.3		1 min	53.4		1.1	40.2

Notes:

**Facility Structures**

Monitoring Point ID	Time	Initial %CH4	Initial %LEL	Purge Time	Stable %CH4	Stable %LEL	Stable %O2	Stable %CO2
Former Scalehouse	1558	0		1 min	0		21.5	0
Wash Rack Control Booth	1408	0		1 min	0		20.6	0.1
O-9388	1412	0		1 min	0		20.6	0.1
O-9389	1411	0		1 min	0		20.6	0.1

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: Partly Cloudy
- c. Temperature: 87°f
- d. Barometric Conditions: Rising      Falling      Steady x      Reading      mmHg
- e. Relative Humidity within range of 10%-90%?      Value:      46%

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*  
TITLE