Periodic Methane Monitoring Report

Monitoring Date:	30 July 2012	Facility Name:	Longstreet Road MSW Landfill
Facility Permit #:	#26-02	Monitoring Personnel (Name/Position):	Jeff Sloop Solid Waste Tech Support
NC Landfill Rule:	0.1600	Monitoring Personnel (Name/Position):	
County (Location):	Cumberland	Equipment Field Calibrated by:	Jeff Sloop
Equipment Type:	GEM 2000+	Manufacturer Cal/Service Date:	27 July 2012
Equipment Serial #:	GM 12027/09	Date/Time of Field Calibration:	30 July 2012 / 11:55am
Calibration Gas:	O_2, CH_4, CO_2, N	Cal Gas Expiration Date:	April 2014 / Sept 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	1348	60.8	>	1350	60.5	>	0.0	38.5
Gas MW-2	1324	25.8	>	1326	25.6	>	0.1	29.3
Gas MW-3								
Gas MW-4	1332	11.1	>	1334	11.3	>	3.1	18.5
Gas MW-5								
Gas MW-6								
Gas MW-7								
Gas MW-8	1315	41.6	>	1317	41.9	>	0.2	36.3
Gas MW-9								
Gas MW-10								
Gas MW-11	1427	59.0	>	1429	61.2	>	0.2	32.9
Gas MW-12	1421	48.4	>	1423	48.0	>	0.2	40.6
Gas MW-13	1415	37.3	>	1417	37.2	>	0.1	36.8
Gas MW-14	1407	46.2	>	1409	56.9	>	0.1	41.2
Gas MW-15	1400	48.9	>	1402	48.5	>	0.1	41.0

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

c. Temperature: 84° F

d. Barometric Conditions: 30.0 Rising Falling Steady x Reading 30.0 mmHg

e. Relative Humidity within range of 10%-90%? Yes Value: 64%

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