Periodic Methane Monitoring Report

Monitoring Date:	27DEC2012	Facility Name:	Longstreet Road MSW Landfill
Facility Permit #:	#26-02	Monitoring Personnel (Name/Position):	Jeff Sloop Solid Waste Tech
NC Landfill Rule:	0.1600	Monitoring Personnel (Name/Position):	
County (Location):	Cumberland	Equipment Field Calibrated by:	Jeff Sloop
Equipment Type:	GEM2000 Plus	Manufacturer Cal/Service Date:	12/26/2012
Equipment Serial #:	GM07693/04	Date/Time of Field Calibration:	12/27/2012/12:17
Calibration Gas:	15% meth/15% CO_2/Nitrogen	Cal Gas Expiration Date:	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 R	1402	.8	18%	1404	.1	.001	21.3	.6
Gas MW-2 R	1520	Ø	19%	1522	Ø	.04	21.1	Ø
Gas MW-3								
Gas MW-4 R	1524	2.1	23%	1526	3.7	.01	12.6	5.4
Gas MW-5								
Gas MW-6								
Gas MW-7								
Gas MW-8 R	1535	Ø	14%	1537	Ø		20.7	2.6
Gas MW-9								
Gas MW-10								
Gas MW-11 R	1515	46.9	>	1517	2.8	68%	20.7	.4
Gas MW-12 R	1501	2.0	41%	1503	.5	12%	20.5	2.8
Gas MW-13 R	1451	36.6	>	1452	5.8	>	18.7	4.5
Gas MW-14 R	1429	33.7	>	1431	31.6	>	.1	31.2
Gas MW-15 R	1417	52.4	>	1419	52.1	>	1.1	35.2

Notes:

New MW-16 1440 Ø Ø 1442 Ø Ø 21.8 .1

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: Damp

b. Weather Conditions: Sunny 50°

c. Temperature: 50°

d. Barometric Conditions: Rising Falling Steady x Reading 29.95 mmHg

e. Relative Humidity within range of 10%-90%? Y Value: 51%

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.

N/A

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

N/A

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

Sidney Williamson

Solid Waste Manager

TITLE