Periodic Methane Monitoring Report

Monitoring Date: 5 Aug 2013 (July event)
Facility Permit #: #26-02
NC Landfill Rule: 0.1600
County (Location): Cumberland
Equipment Type: GEM 2000 plus
Equipment Serial #: 15552
Calibration Gas: 50% methane/35% CO_2
Meter pump rate: N/A

Facility Name: Longstreet Road MSW Landfill
Monitoring Personnel (Name/Position): Jeff Sloop - solid waste tech
Monitoring Personnel (Name/Position): Sid Williamson - solid waste manager
Equipment Field Calibrated by: Jeff Sloop
Manufacturer Cal/Service Date: 2 Aug 2013 - 31 Oct 2013
Date/Time of Field Calibration: 5 Aug 2013 1202
Cal Gas Expiration Date: Jan 2014

Gas Monitoring Wells

Monitoring Point ID	Time	Initial %CH4	Initial %LEL	Purge Time	Stable %CH4	Stable %LEL	Stable %O2	Stable %CO2
Gas RMW-1R2	1232	.2	004	1234	.2	004	9.6	10.6
Gas RMW-2								
Gas MW-3R	1324	Ø	001	1326	Ø	001	15.7	5.5
Gas RMW-4								
Gas MW-5R	1330	Ø	001	1332	Ø	001	18.8	1.7
Gas MW-6								
Gas MW-7								
Gas RMW-8								
Gas MW-9	1340	.1	002	1342	.1	002	12.3	8.1
Gas RMW-10								
Gas RMW-11R2	1300	.1	002	1302	Ø	001	17.7	.6
Gas RMW-12R2	1307	Ø	001	1309	Ø	001	17.4	2.7
Gas RMW-13R2	1311	.1	001	1313	.1	001	19.1	1.2
Gas RMW-14R2	1244	1.9	.003	1246	.2	004	19.4	.2
Gas RMW-15R2	1240	.1	003	1242	.2	003	19.9	.1
New Gas MW-16	1252	.2	004	1254	.2	003	19.2	.1

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: Normal

b. Weather Conditions: Sunny

c. Temperature: 82°

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

e. Relative Humidity within range of 10%-90%? 71% yes Value: 71%

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