Periodic Methane Monitoring Report

Monitoring Date: 29OCT2012
Facility Permit #: #26-02
NC Landfill Rule: 0.1600
County (Location): Cumberland
Equipment Type: GEM 2000 Plus
Equipment Serial #: GM 09079-7
Calibration Gas 50% meth/35% CO_2/Nitrogen
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: J. Sloop
Manufacturer Cal/Service Date: 25OCT2012
Date/Time of Field Calibration: 29OCT2012 1205pm
Cal Gas Expiration Date: April 2014

Gas Monitoring Wells

Monitoring Point ID	Time	Initial %CH4	Initial %LEL	Purge Time	Stable %CH4	Stable %LEL	Stable %O2	Stable %CO2
Gas MW-1	1355	58.0	>	1357	57.5	>	Ø	41.6
Gas MW-2	1426	59.6	>	1428	60.2	>	Ø	38.9
Gas MW-3								
Gas MW-4	1431	22	>	1433	22.1	>	Ø	24.3
Gas MW-5								
Gas MW-6								
Gas MW-7								
Gas MW-8	1409	60.4	>	1411	59.7	>	Ø	39.5
Gas MW-9								
Gas MW-10								
Gas MW-11	1320	62.1	>	1322	61.9	>	Ø	35.5
Gas MW-12	1327	55	>	1329	54.8	>	Ø	41.2
Gas MW-13	1332	47.2	>	1334	47.8	>	Ø	39.1
Gas MW-14	1342	61.0	>	1344	61.8	>	Ø	38.4
Gas MW-15	1346	58.0	>	1348	54.3	>	Ø	39.3

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: damp

b. Weather Conditions: Cloudy winds N W 15 mph

c. Temperature: 51°

d. Barometric Conditions: Rising Falling Steady x Reading 29.56 mmHg

e. Relative Humidity within range of 10%-90%? Value: 57%

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