

Periodic Methane Monitoring Report

Longstreet Road MSW Landfill

Monitoring Date: 28 MAR 2012 Facility Name: Jeff Sloop
 Facility Permit #: #26-02 Monitoring Personnel (Name/Position): Sid Williamson - SOLID WASTE MAINTENANCE
 NC Landfill Rule: 0.1600 Monitoring Personnel (Name/Position): Jeff Sloop
 County (Location): Cumberland Equipment Field Calibrated by: Jeff Sloop
 Equipment Type: GEM 2000 Plus Manufacturer Cal/Service Date: 28 MAR 2012
 Equipment Serial #: GEM 11405109 Date/Time of Field Calibration: 28 MAR 2012 - 1201pm
 Calibration Gas: CO₂/CH₄/H₂S/O₂/N₂ Cal Gas Expiration Date: 09/13/2012
 Meter pump rate: N/A

Gas Monitoring Wells

| Monitoring Point ID | Time | Initial %CH ₄ | Initial %LEL | Purge Time | Stable %CH ₄ | Stable %LEL | Stable %O ₂ | Stable %CO ₂ |
|---------------------|------|--------------------------|--------------|------------|-------------------------|-------------|------------------------|-------------------------|
| Gas MW-1 | 1312 | 28.4 | > | 1314 | 28.4 | > | Ø | 34.5 |
| Gas MW-2 | 1350 | 33.0 | > | 1352 | 33.1 | > | Ø | 26.2 |
| Gas MW-3 | | | | | | | | |
| Gas MW-4 | 1354 | 14.0 | > | 1356 | 14.1 | > | Ø | 22.0 |
| Gas MW-5 | 1359 | 1.0 | 20% | 1401 | 1.0 | 20% | 15.0 | Ø |
| Gas MW-6 | | | | | | | | |
| Gas MW-7 | | | | | | | | |
| Gas MW-8 | 1305 | 40.8 | > | 1307 | 41.1 | > | Ø | 32 |
| Gas MW-9 | | | | | | | | |
| Gas MW-10 | | | | | | | | |
| Gas MW-11 | 1339 | 25.1 | > | 1341 | 25.2 | > | Ø | 19.8 |
| Gas MW-12 | 1334 | 41.0 | > | 1336 | 41.4 | > | Ø | 35.1 |
| Gas MW-13 | 1330 | 26.3 | > | 1332 | 26.5 | > | Ø | 29.8 |
| Gas MW-14 | 1325 | 27.3 | > | 1327 | 28.1 | > | 1.0 | 26.3 |
| Gas MW-15 | 1319 | 46.5 | > | 1321 | 46.8 | > | Ø | 35.7 |

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



O-9388



Wash Rack Control Booth



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: partly cloudy

c. Temperature: 70°

d. Barometric Conditions:

Rising

Falling

Steady x

Reading 30.18 mmHg

e. Relative Humidity within range of 10%-90%? yes Value: 63%

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.

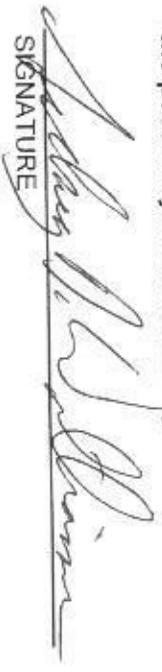
Description of Sampling Techniques: (e.g., wells are vented or not, barhole punch methodology, etc.)

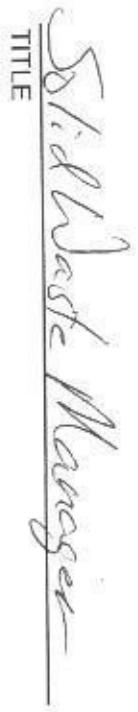
Additional Comments:

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


TITLE