

Periodic Methane Monitoring Report

Monitoring Date: 24 SEPT 2012 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): Sid Williamson Solid Waste Manager
 County (Location): Cumberland Equipment Field Calibrated by: Jeff Sloop
 Equipment Type: GEM 2000 plus Manufacturer Cal/Service Date: 21 SEPT 2012
 Equipment Serial #: GM 128571 10 Date/Time of Field Calibration: 24 SEPT 2012 1201
 Calibration Gas: 15% Meth / 15% CO₂ / 4% O₂ Cal Gas Expiration Date: Apr. 2012
 Meter pump rate: N/A

Gas Monitoring Wells

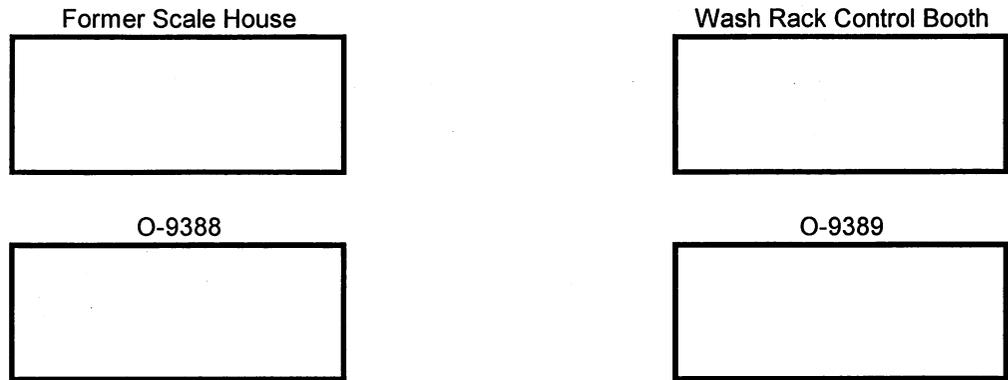
Monitoring Point ID	Time	Initial %CH ₄	Initial %LEL	Purge Time	Stable %CH ₄	Stable %LEL	Stable %O ₂	Stable %CO ₂
Gas MW-1	1415	36.6	>	1417	38.8	>	1.6	34.1
Gas MW-2	1435	∅	∅	1437	∅	∅	10.5	10.1
Gas MW-3								
Gas MW-4	1442	19.6	∅	1444	19.8	>	2.9	14.4
Gas MW-5								
Gas MW-6								
Gas MW-7								
Gas MW-8	1425	55.7	>	1427	55.4	>	.1	39.0
Gas MW-9								
Gas MW-10								
Gas MW-11	1340	∅	003	1342	0.01	008	13.7	2.8
Gas MW-12	1344	.4	008	1346	.4	008	12.4	9.6
Gas MW-13	1349	.5	011	1351	.5	009	10.2	11.3
Gas MW-14	1355	57.5	>	1357	57.6	>	∅	42.5
Gas MW-15	1406	2.0	40	1408	1.6	37	18.3	3.5

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):



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: dry
- b. Weather Conditions: Sunny 68°F wind NE 9mph
- c. Temperature: 68°F
- d. Barometric Conditions: Rising Falling Steady x Reading 30.23 mmHg
- e. Relative Humidity within range of 10%-90%? Value: 46%

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.

[Handwritten Signature]

SIGNATURE

Solid Waste Manager

TITLE