Periodic Methane Monitoring Report

Monitoring Date: 9-28-11
Facility Permit #'s: #26G and #26-08
NC Landfill Rule: 0.0500
County (Location): Cumberland
Equipment Type: GEM 2000
Equipment Serial #: GM 12980
Calibration Gas: Liquid Technology
Meter pump rate:

Facility Name: Lamont Road LCID and C&D Landfills
Monitoring Personnel (Name/Position): Renee Hill
Monitoring Personnel (Name/Position): George Lewis
Equipment Field Calibrated by: G Lewis
Manufacturer Cal/Service Date: 8-15-11
Date/Time of Field Calibration: 9-28-11 1233
Cal Gas Expiration Date: CH4 - April 2014 O2 - June 2014

Gas Monitoring Wells

Monitoring Point ID	Time	Initial %CH4	Initial %LEL	Purge Time	Stable %CH4	Stable %LEL	Stable %O2	Stable %CO2
GP-1	1249	0.2		1250	0.4		6.5	10.5
GP-2	1314	0.0		1315	0.0		20.0	0.1
GP-3	1340	0.0		1341	0.0		11.3	5.6
GP-4	1351	0.0		1352	0.0		19.3	0.6
GP-5	1354	0.0		1355	0.0		16.6	2.4
GP-6	1357	0.0		1358	0.0		16.1	3.3
GP-7	1402	0.0		1403	0.0		12.6	3.8
GP-8	1407	0.0		1408	0.0		13.2	3.7
GP-9	1331	0.0		1332	9.0		0.0	24.0
GP-10	Not Accessible	—	—	—	—	—	—	—
GP-11	1259	0.0		1300	0.0		18.0	1.8
GP-12	1256	0.0		1257	2.1		3.3	11.9
GP-13	1253	0.0		1254	1.2		19.5	0.5

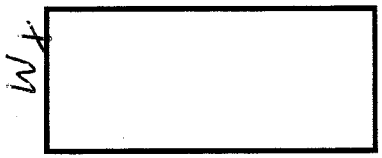
Notes:

Facility Structures

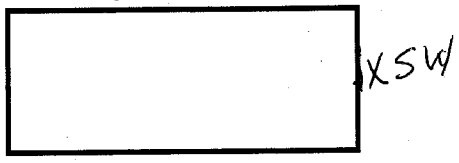
Monitoring Point ID	Time	Initial %CH4	Initial %LEL	Purge Time	Stable %CH4	Stable %LEL	Stable %O2	Stable %CO2
Office	1321	0.0		1322	0.0		20.2	0.0
Scale House	1312	0.0		1313	0.0		20.1	0.0
O-35~~33~~	1317	0.0		1318	0.0		20.1	0.0

Drawings identifying location where each building sampled (include north arrow):

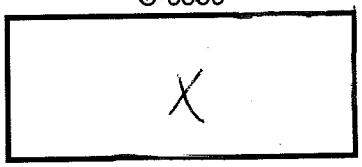
Office



Scale House



O-35~~33~~



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, cool lt wind~~ Partly Cloudy

c. Temperature: ~~77.9 F~~ 80°F

d. Barometric Conditions: 29.59 Rising Falling Steady x Reading 29.92 mmHg

e. Relative Humidity within range of 10%-90%? Value: ~~37%~~ 70%

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? - Yes

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:

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

Periodic Methane Monitoring Report

Monitoring Date:	9-28-11	**Facility Name:**	Longstreet Road MSW Landfill
Facility Permit #:	#26-02	**Monitoring Personnel (Name/Position):**	Renee Hill
NC Landfill Rule:	0.1600	**Monitoring Personnel (Name/Position):**	George Lewis
County (Location):	Cumberland	**Equipment Field Calibrated by:**	G. Lewis
Equipment Type:	GEM 2000	**Manufacturer Cal/Service Date:**	8-15-11
Equipment Serial #:	GM 12980	**Date/Time of Field Calibration:**	9-28-11 1233
Calibration Gas:	Liquid Technology	**Cal Gas Expiration Date:**	CH4 - April 2014 O2 June 2014
Meter pump rate:			

Gas Monitoring Wells

Monitoring Point ID	Time	Initial %CH4	Initial %LEL	Purge Time	Stable %CH4	Stable %LEL	Stable %O2	Stable %CO2
Gas MW-1	1444	0.0		1445	58.1		0.2	41.6
Gas MW-2	1538	0.0		1539	57.0		0.2	38.2
Gas MW-3	1535	0.0		1536	0.3		8.8	10.8
Gas MW-4	1537	0.0		1533	21.2		0.2	24.1
Gas MW-5	1545	0.0		1546	10.2		0.1	18.0
Gas MW-6	1522	0.0		1523	0.0		14.9	5.2
Gas MW-7	1525	0.0		1526	0.0		20.5	0.0
Gas MW-8	1450	0.0		1451	59.2		0.2	40.4
Gas MW-9	1453	0.0		1454	1.1		2.8	18.0
Gas MW-10	destroyed	—	—	—	—	—	—	—
Gas MW-11	1424	0.0		1425	68.2		0.3	29.4
Gas MW-12	1421	0.0		1422	57.3		0.2	42.0
Gas MW-13	1418	0.0		1419	44.6		0.2	39.0
Gas MW-14	1433	0.0		1434	56.7		0.1	43.0
Gas MW-15	1437	0.0		1438	52.7		0.2	42.6

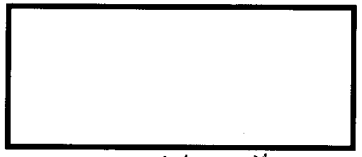
Notes:

Facility Structures

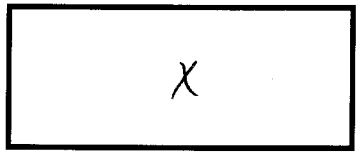
Monitoring Point ID	Time	Initial %CH4	Initial %LEL	Purge Time	Stable %CH4	Stable %LEL	Stable %O2	Stable %CO2
Former Scalehouse	1442	0.0		1443	0.0		20.5	0.0
Wash Rack Control Booth	1507	0.0		1508	0.0		20.8	0.0
O-9388	1513	0.0		1514	0.0		20.7	0.0
O-9389	1511	0.0		1512	0.0		20.7	0.0

Drawings identifying location where each building sampled (include north arrow):

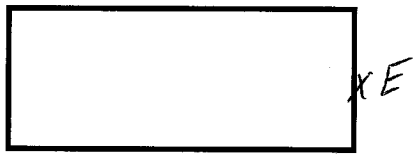
Former Scale House



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: Partly Cloudy

c. Temperature: 85°

d. Barometric Conditions: 29.49 Rising Falling Steady x Reading mmHg

e. Relative Humidity within range of 10%-90%? Value: 59%

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:

Certification:

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