



DEPARTMENT OF THE ARMY
US ARMY INSTALLATION MANAGEMENT COMMAND
HEADQUARTERS, UNITED STATES ARMY GARRISON, FT BRAGG
2175 REILLY ROAD, STOP A
FORT BRAGG, NORTH CAROLINA 28310-5000

REPLY TO
ATTENTION OF

March 15, 2011

Directorate of Public Works

Ms. Elizabeth Werner
North Carolina Department of Environment
and Natural Resources
Division of Waste Management
Solid Waste Permitting Section
1646 Mail Service Center
Raleigh, North Carolina 27609

Dear Ms. Werner:

This notice of exceedance is provided in accordance with Subparagraph (d)(1) of Rule 15A NCAC 13B .0544. Quarterly methane monitoring was performed at the Lamont Landfill (Permit # 26G and 26-38) on March 2, 2011. One monitoring point (GP-13) contained methane levels (20.8 percent) that exceed the regulatory level (5 percent).

A gas sample will be collected from GP-13 and will be analyzed for methane, ethane, and volatile organic compounds to obtain a fingerprint for the gas. Furthermore, the monitoring at GP-13 will be changed to a monthly schedule. If the elevated levels of methane persist at these points a nature and extent study will be performed.

Attached are the Lamont Landfills, Environmental Monitoring Reporting Form and the Periodic Methane Monitoring Report for your review and file.

For additional information, please contact Mr. Sid Williamson at (910) 396-3372 or Ms. Audrey Oxendine at (910) 907-3214.

Sincerely

A handwritten signature in black ink, appearing to read "Gregory G. Bean".

Gregory G. Bean
Director of Public Works

Enclosure

NC DENR
 Division of Waste Management - Solid Waste

**Environmental Monitoring
 Reporting Form**

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- Prepare one form for each individually monitored unit.
- Please type or print legibly.
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.)
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i)).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1546 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Kevin Haborak Phone: (912) 652-6083

E-mail: Kevin.Haborak@usace.army.mil

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Lamont Road L CID and C&D Landfills	Fort Bragg, Construction and Demolition Landfill 2608-CDLF-1998, Lamont Road Cumberland County, North Carolina 28310	#26G and #26-08	.0500	March 2, 2011

Environmental Status: (Check all that apply)

- Initial/Background Monitoring
 Detection Monitoring
 Assessment Monitoring
 Corrective Action

Type of data submitted: (Check all that apply)

- Groundwater monitoring data from monitoring wells
 Methane gas monitoring data
 Groundwater monitoring data from private water supply wells
 Corrective action data (specify) _____
 Leachate monitoring data
 Other(specify) _____
 Surface water monitoring data

Notification attached?

- No. No groundwater or surface water standards were exceeded.
 Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
 Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

Kevin Haborak

Technical Manager

912-652-6083

Facility Representative Name (Print):

Title

(Area Code) Telephone Number

Affix NC Licensed Professional Seal

Signature

Date

100 W Oglethorpe Ave., Savannah, GA, 31402

Facility Representative Address

NC PE Firm License Number (if applicable effective May 1, 2009)

Revised 8/2/09



Periodic Methane Monitoring Report

Monitoring Date:	3/2/2011	Facility Name:	Lamont Road LCID and C&D Landfills
Facility Permit #s:	#26G and #26-08	Monitoring Personnel (Name/Position):	GEORGE W LOUIS JR
NC Landfill Rule:	0.0500	Monitoring Personnel (Name/Position):	RENEE HILL
County (Location):	Cumberland	Equipment Field Calibrated by:	GEORGE W LOUIS JR
Equipment Type:	GEM 2000	Manufacturer Cal/Service Date:	2/25/2011
Equipment Serial #:	05754	Date/Time of Field Calibration:	3-2-2011 1515
Calibration Gas:	1515	Cal Gas Expiration Date:	02 - 6/2013 CH4 - 6/2013
Meter pump rate:			

Gas Monitoring Wells

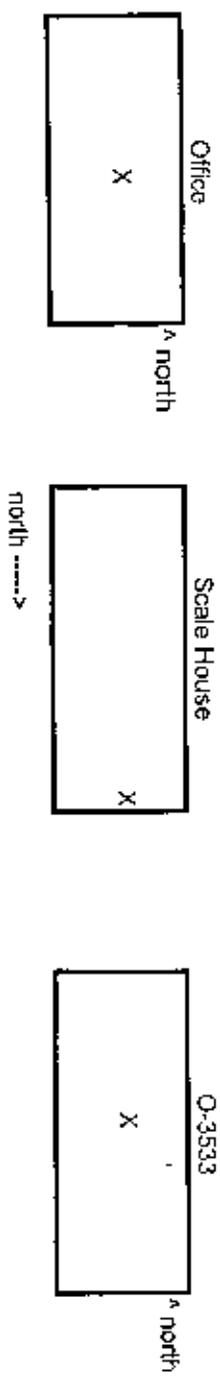
Monitoring Point ID	Time	Initial %CH4	Initial %LEL	Purge Time	Stable %CH4	Stable %LEL	Stable %O2	Stable %CO2
GP-1	1546	0.0	0.0%	1547	0.0	0.0%	15.9	2.7
GP-2	1609	0.2	0.8%	1610	0.1	0.4%	14.6	3.8
GP-3	1613	0.0	0.0%	1614	0.0	0.0%	14.3	3.3
GP-4	1628	0.0	0.0%	1629	0.0	0.0%	19.3	0.6
GP-5	1630	0.0	0.0%	1631	0.0	0.0%	17.0	1.9
GP-6	1641	0.0	0.0%	1642	0.0	0.0%	17.8	2.9
GP-7	1646	0.0	0.0%	1647	0.0	0.0%	14.2	2.7
GP-8	1652	0.0	0.0%	1653	0.0	0.0%	19.2	0.0
GP-9	1701	0.0	0.0%	1703	0.0	0.0%	14.4	6.4
GP-10	1705	0.0	0.0%	1706	0.0	0.0%	1.2	20.5
GP-11	1559	0.0	0.0%	1600	0.0	0.0%	18.6	0.9
GP-12	1555	0.0	0.0%	1556	0.1	0.4%	13.8	3.3
GP-13	1551	0.0	0.0%	1552	20.8	83.2%	0.0	0.0

Notes:

Facility Structures

Monitoring Point ID	Time	Initial %CH4	Initial %LEL	Purge Time	Stable %CH4	Stable %LEL	Stable %O2	Stable %CO2
Office	1533	0.0	0.00%	1534	0.0	0.00%	19.3	0.0
Scale House	1538	0.0	0.00%	1539	0.0	0.00%	19.5	0.0
O-3533	1541	0.0	0.00%	1542	0.0	0.00%	19.5	0.0

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: Damp
- b. Weather Conditions: Sunny, cool ll wind
- c. Temperature: 65 °F
- d. Barometric Conditions: Rising Falling Steady x Reading 29.76 mmHg
- e. Relative Humidity within range of 10%-90%? Value: 25.7%
- 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:

PRE	CH4 - 15.9	POST	CH4 - 15.5
	CO2 - 15.4		CO2 - 15
	O2 - 4.4		O2 - 4.4

g. If stressed vegetation is noted, describe the extent and location in the space provided below.

Description of Sampling Techniques: (o.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 *Am Hall*

TITLE *Field Tech*