



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 exceedances is provided in accordance with Subparagraph (d)(1) of Rule 15A NCAC 13B .0544. Quarterly methane monitoring was performed at the Longstreet Landfill (Permit # 26-02) on March 3, 2011. Two monitoring points (Gas MW-1 and Gas MW-14) contained methane levels that exceed the regulatory level of 5 percent.

These monitoring wells 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 Longstreet Landfill, 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", is written over a horizontal line.

Gregory G. Bean
Director of Public Works

Enclosure

Periodic Methane Monitoring Report

Monitoring Date:	3/3/2011	Facility Name:	Longstreet Road MSW Landfill
Facility Permit #:	#26-02	Monitoring Personnel (Name/Position):	GEORGE W LOUIS JR
NC Landfill Rule:	0.1600	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:	3/3/2011 12:23
Calibration Gas:	15/15	Cal Gas Expiration Date:	CH4 6-2013 O2 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
Gas MW-1	1407	0.0	0.0	1408	6.2	124	1.1	27.1
Gas MW-2	1354	0.0	0.0	1355	0.0	0	19.7	1.2
Gas MW-3	1350	0.0	0.0	1351	0.0	0	19.2	1.8
Gas MW-4	1338	0.0	0.0	1340	0.0	0	8.0	10.9
Gas MW-5	1343	0.0	0.0	1344	0.0	0	19.2	1.6
Gas MW-6	1431	0.1	2.0	1432	0.0	0	19.3	1.7
Gas MW-7	1437	0.0	0.0	1438	0.0	0	21.0	0.1
Gas MW-8	1249	0.0	0.0	1250	0.0	0	20.2	0.1
Gas MW-9	1244	0.0	0.0	1245	0.0	0	7.8	11.7
Gas MW-10	DESTROYED	---	---	---	---	---	---	---
Gas MW-11	1304	0.0	0.0	1305	0.0	0	20.5	0.4
Gas MW-12	1301	0.0	0.0	1302	0.0	0	20.7	0.0
Gas MW-13	1314	0.0	0.0	1315	0.0	0	17.3	4.4
Gas MW-14	1418	0.0	0.0	1419	7.3	145	15.0	4.6
Gas MW-15	1414	0.0	0.0	1415	0.1	2	20.8	0.1

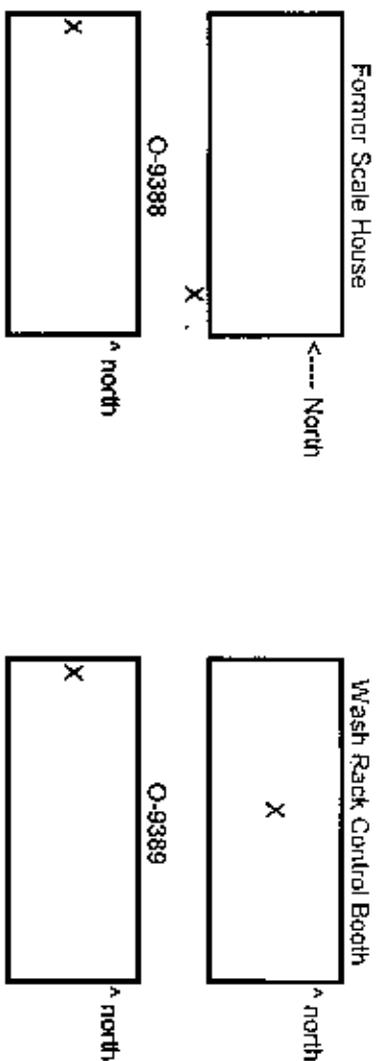
Notes:

PRE	15.0	POST	15.0
CH4	15.2	CH4	15.1
CO2		CO2	
O2	4.2	O2	4.4
			(1448)

Facility Structures

Monitoring Point ID	Time	Initial %CH4	Initial %LEL	Purge Time	Stable %CH4	Stable %LEL	Stable %O2	Stable %CO2
Former Scalehouse	1404	0.0	0.0	1410	0.0	0	20.7	0.1
Wash Rack Control Booth	1231	0.0	0.0	1232	0.0	0	20.1	0.0
O-9388	1236	0.0	0.0	1237	0.0	0	20.7	0.0
O-9389	1237	0.0	0.0	1237	0.0	0	20.7	0.0

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



Climate/Physical Conditions at Site

Samples must be collected under normal/average conditions of temperature, pressure, and climate for the season. Barometric 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, Windy
- c. Temperature: 52.7
- d. Barometric Conditions: Rising Falling Steady x Reading 30.24 mmHg
- e. Relative Humidity within range of 10%-90%? Value: 17.7%

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.

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

Field Tech
TITLE