

DENR USE ONLY

Paper Report

Electronic Data - Email CD (data loaded: Yes / No)

Doc/Event #:

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, 1646 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)
Longstreet Road MSW Landfill	Fort Bragg, Closed Municipal Solid Waste Landfill Permit# 26-02, Longstreet Road Cumberland County, North Carolina 28310	#26-02	.1600	June 26, 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
 Date 8/2/2011
 Signature Date Affix NC Licensed/ Professional Geologist Seal

100 West Oglethorpe Avenue, Savannah, GA 31402

Facility Representative Address

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

Periodic Methane Monitoring Report

Longstreet Road MSW Landfill

Monitoring Date: 6-26-2011 Facility Name: _____
 Facility Permit #: #26-02 Monitoring Personnel (Name/Position): H Cooper
 NC Landfill Rule: 0.1600 Monitoring Personnel (Name/Position): R Hill
 County (Location): Cumberland Equipment Field Calibrated by: Jeoper Hill
 Equipment Type: GEM 7000 Manufacturer Call/Service Date: 1-27-2011
 Equipment Serial #: GEM295010 Date/Time of Field Calibration: 1210 6-26-2011
 Calibration Gas: 02.40% 100% Cal Gas Calibration Date: Apr-1 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	1335	46.1	>	1 min	47.8	>	0.2	28.8
Gas MW-2	1350	0.3	6%	1 min	0.3	7	13.3	6.1
Gas MW-3	1325	0	0	1 min	0	0	15.5	3.4
Gas MW-4	1312	31	64	1 min	3.6	72	0.3	19.5
Gas MW-5	1319	0	0	1 min	0	0	11.4	6.9
Gas MW-6	1425	0	0	1 min	0	0	16.7	3.2
Gas MW-7	1429	0	0	1 min	0	0	20.2	0
Gas MW-8	1406	7.3	2	1 min	28.4	>	0.3	28.9
Gas MW-9	1410	0	0	1 min	0	0	2.8	11.4
Gas MW-10								
Gas MW-11	1251	0.2	4	1 min	0.2	5	13.8	3.5
Gas MW-12	1257	14.4	>	1 min	14.9	23	0.4	26.7
Gas MW-13	1301	0	0	1 min	0	0	9.6	10
Gas MW-14	1351	12.6	>	1 min	19.3	7	3.8	20.8
Gas MW-15	1344	22.3	>	1 min	25.4	7	0.7	26.2

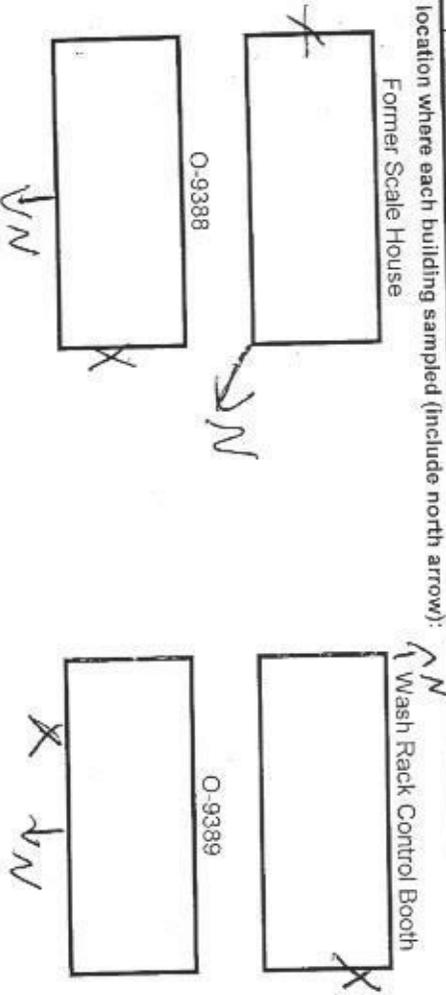
Notes:

MW-7 - Cap replaced

Facility Structures

Monitoring Point ID	Time	Initial %CH4	Initial %LEL	Purge Time	Stable %CH4	Stable %LEL	Stable %O2	Stable %CO2
Former Scalehouse	1339	0	1	1 min	0	0	19.7	0
Wash Rack Control Booth	12043	0	0	1 min	0	0	19.7	0
O-93388	1235	0.1	1	1 min	0	0	19.6	0
O-93389	1237	0	0	1 min	0	0	19.6	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. Barholic 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: 87° Partly Cloudy
- c. Temperature: _____
- d. Barometric Conditions: _____
 Rising _____ Falling _____ Steady x _____ Reading 29.6 mmHg
 Value _____
- e. Relative Humidity within range of 10%-90%? 64%

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 

TITLE