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):

Smith Gardner, Inc.

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

Name: Madeline German, PG Phone: 919-828-0577 x 222

E-mail: madeline@smithgardnerinc.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
High Point Riverdale Closed MSW Landfill	Riverdale Drive, High Point, NC	41-01	.0500	9-24-2012

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

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.

Madeline German, PG	Geologist	919-828-0577 x 222
Facility Representative Name (Print)	Title	(Area Code) Telephone Number

Signature _____ Date 9/26/2012

Affix NC Licensed/ Professional Geologist Seal

NORTH CAROLINA LICENSED 9/26/2012 GEOLOGIST MADELINE GERMAN

14 N. Boylan Ave, Raleigh, NC 27603

Facility Representative Address

C-0828

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

NC Division of Waste Management - Solid Waste Section
Landfill Gas Monitoring Data 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).

Facility Name: City of High Point, Closed Riverdale LF Permit Number: 41-01

Date of Sampling: 9-24-12 NC Landfill Rule (.0500 or .1600): .0500

Name and Position of Sample Collector: DON MISENHEIMER (STG)

Type and Serial Number of Gas Meter: GM70024 PICEM2000 Calibration Date of Gas Meter: 6-15-12

Date and Time of Field Calibration: 9-24-12 9:30a

Type of Field Calibration Gas (15/15 or 35/50): 15/15 Expiration Date of Field Calibration Gas Canister: 4/2013

Pump Rate of Gas Meter: 0.5 l/min

Ambient Air Temperature: 75° Barometric Pressure: 29.38 General Weather Conditions: Sunny

Instructions: Under "Location or LFG Well" identify the monitoring wells or describe the location for other tests (e.g., inside buildings). A drawing showing the location of test must be attached. Report methane readings in both % LEL and % methane by volume. A reading in percent methane by volume can be converted to % LEL as follows: % methane by volume = % LEL/20

Location or LFG Well ID	Sample Tube Purge	Time	Time Pumped (s)	Initial %LEL	Stabilized %LEL	%CH4 by Volume	%O2	%CO2	Notes
LFG-7	760s	11:10a	760s	>100	>100	40.5	6.9	22.5	
7-1	760s	11:06a	760s	>100	>100	41.5	4.8	33.8	
7-2	760s	11:12a	760s	0	0	0	19.8	0.9	
7-3	760s	11:14a	760s	>100	>100	9.2	10.3	11.5	
7-4	760s	11:16a	760s	>100	>100	19.4	12.3	13.1	
LFG-8	760s	11:18a	760s	>100	>100	42.0	3.8	33.5	
8A	760s	11:20a	760s	>100	>100	19.1	13.0	12.6	
8B	760s	11:22a	760s	>100	>100	33.9	7.1	26.9	
8-1	760s	11:24a	760s	>100	>100	63.9	0.3	30.2	
8-2	760s	11:26a	760s	>100	>100	56.1	0.2	37.9	
8-3	760s	11:28a	760s	>100	>100	51.9	0.3	38.1	
8-4	760s	11:30a	760s	>100	>100	53.4	0.9	36.2	
8-5	760s	11:32a	760s	>100	>100	51.6	0.4	35.8	
LFG-9	760s	11:34a	760s	>100	>100	20.5	12.6	13.2	
9-1	760s	11:36a	760s	>100	>100	48.2	0.1	37.6	
LFG-10	760s	11:38a	760s	0	0	0	15.4	5.1	
LFG-6	760s	11:43a	760s	>100	>100	42.2	13.8	12.4	
LFG-5	760s	11:45a	760s	0	0	0	17.5	1.3	
LFG-4	760s	11:50a	760s	0	0	0	16.7	2.4	
LFG-3	760s	11:55a	760s	0	0	0	19.8	0.1	
1-1	760s	12:02p	760s	0	0	0	14.3	5.0	

NOTE:

If your facility has more gas monitoring locations than there is room on this form, please attach additional sheets listing the same information as contained on this form.

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.

Don Misenheimer (STG)
SIGNATURE

Project Scientist
TITLE

H:\Projects\High Point (NC)\HPOINT-10-2 (LFG Training)\GIS\High_Point GP.mxd 7/16/2012 9:53:44 AM

PREPARED FOR:	DRAWN:	APPROVED:	SCALE:	FIGURE NO.	PREPARED BY:
LFG MONITORING PROBE LOCATIONS CLOSED RIVERDALE LANDFILL CITY OF HIGH POINT, NORTH CAROLINA	D.M.M.	J.A.S.	AS SHOWN	1	NC LIC. NC. C-0826 [ENGINEERING] SMITH+GARDNER 14 N. Boylan Avenue, Raleigh NC 27603 | 919.828.0577
	DATE: JULY 2012	PROJECT NO: HPOINT 10-2	FILENAME:		