

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 x222  
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	October 25, 2013

**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.

Madeline German, PG Project Geologist (919) 828 - 0577 x222

Facility Representative Name (Print) Title (Area Code) Telephone Number

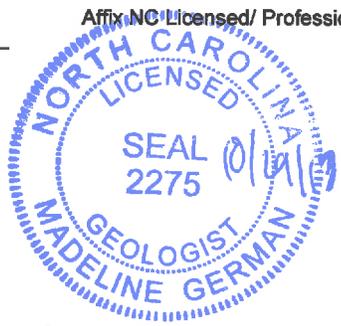
Signature [Signature] Date 10/29/13  
Affix NC Licensed/ Professional Geologist Seal

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: 10.25.13 NC Landfill Rule (.0500 or .1600): .0500

Name and Position of Sample Collector: DON MISENHEIMER (S+O)

Type and Serial Number of Gas Meter: LEM 2000, 07002 HP Calibration Date of Gas Meter: 8.29.13

Date and Time of Field Calibration: 8:40a, 10.25.13

Type of Field Calibration Gas (15/15 or 35/50): 15/15 Expiration Date of Field Calibration Gas Canister: 2016

Pump Rate of Gas Meter: 0.5 L/min

Ambient Air Temperature: 63° Barometric Pressure: 29.46 General Weather Conditions: P. 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 24-hr	Time Pumped (s)	Initial %LEL	Stabilized %LEL	%CH4 by Volume	%O2	%CO2	Notes
LFG-7	760s	8:57	760s	7100	7100	6.2	18.7	6.0	
7-1	760s	8:55	760s	7100	7100	18.6	11.1	16.5	
7-2	760s	8:59	760s	0	0	0	12.2	10.2	
7-3	760s	9:04	760s	7100	7100	28.6	0	32.1	
7-4	760s	9:07	760s	7100	7100	47.1	2.3	28.8	
LFG-8	760s	9:10	760s	7100	7100	31.3	6.2	25.0	
8A	760s	9:12	760s	7100	7100	44.3	3.7	28.2	
8B	760s	9:15	760s	7100	7100	37.9	8.3	25.7	
8-1	760s	9:17	760s	7100	7100	57.5	0	33.2	
8-2	760s	9:19	760s	7100	7100	56.8	0	34.4	
8-3	760s	9:21	760s	7100	7100	26.9	0	30.1	
8-4	760s	9:24	760s	7100	7100	53.1	0	34.2	
8-5	760s	9:26	760s	7100	7100	25.2	2.7	27.7	
LFG-9	760s	9:28	760s	7100	7100	17.8	13.2	12.3	
9-1	760s	9:30	760s	7100	7100	51.0	0	36.9	
LFG-10	760s	9:33	760s	0	0	0	16.3	4.0	
LFG-6	760s	9:37	760s	7100	7100	9.6	9.2	21.9	
LFG-5	760s	9:40	760s	0	0	0	19.2	1.1	
LFG-4	760s	9:42	760s	0	0	0	17.8	1.5	
LFG-3	760s	9:45	760s	0	0	0	17.5	4.8	
1-1	760s	9:49	760s	0	0	0	19.8	2.0	

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.

[Signature]  
SIGNATURE

PROJECT SCIENTIST  
TITLE

**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: \_\_\_\_\_ NC Landfill Rule (.0500 or .1600): .0500

Name and Position of Sample Collector: [SEE PAGE 1]

Type and Serial Number of Gas Meter: \_\_\_\_\_ Calibration Date of Gas Meter: \_\_\_\_\_

Date and Time of Field Calibration: \_\_\_\_\_

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

Pump Rate of Gas Meter: \_\_\_\_\_

Ambient Air Temperature: \_\_\_\_\_ Barometric Pressure: \_\_\_\_\_ General Weather Conditions: \_\_\_\_\_

**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
Old Maintenance Building									
NE Corner	760s	9:55	760s	0	0	0	21.0	0	
NW Corner	760s	9:57	760s	0	0	0	21.0	0	
SE Corner	760s	9:59	760s	0	0	0	21.1	0	
SW Corner	760s	10:01	760s	0	0	0	21.0	0	
Electrical Shop									
NE Corner	760s	10:02	760s	0	0	0	21.0	0	
NW Corner	760s	10:04	760s	0	0	0	21.1	0	
SE Corner	760s	10:06	760s	0	0	0	21.1	0	
SW Corner	760s	10:08	760s	0	0	0	21.1	0	

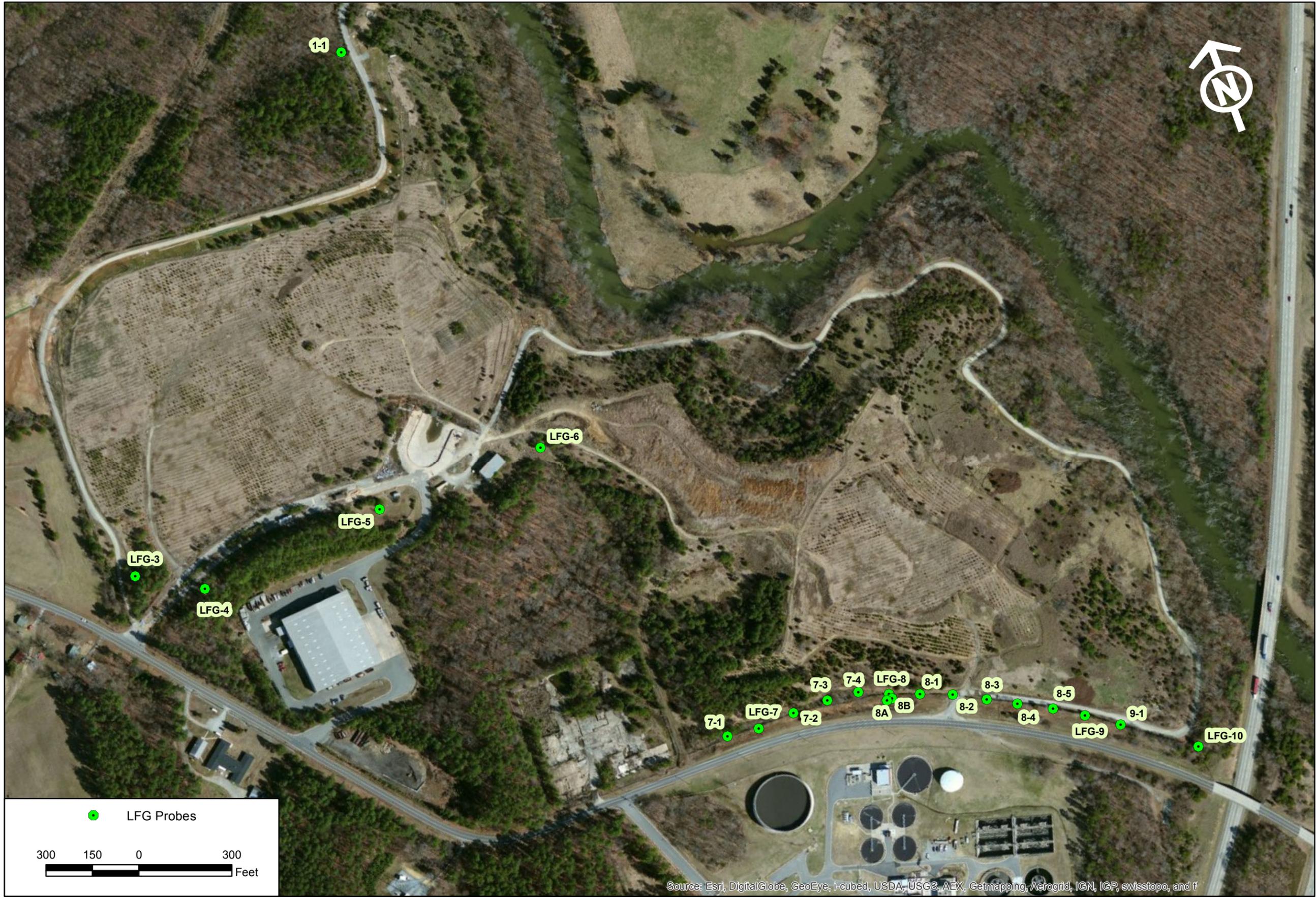
If your facility has more gas monitoring locations than there is room on this form, please attach additional sheets listing the same information as contained on this form.

**Certification**

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[Signature]  
SIGNATURE

PROJECT SCIENTIST  
TITLE



Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and f

**LFG MONITORING PROBES LOCATION**  
**CLOSED RIVERDALE LANDFILL**  
**CITY OF HIGH POINT,**  
**NORTH CAROLINA**

DRAWN: D.M.M.	APPROVED: J.A.S.	SCALE: AS SHOWN	FIGURE NO.: 1
DATE: DEC. 2010	PROJECT NO.: HPOINT 10-2	FILENAME: High_Point GP	