

**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	December 24, 2015

**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  
 Surface water monitoring data
  Other(specify) \_\_\_\_\_

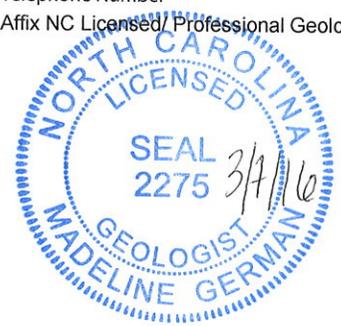
**Notification attached?**

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 Project Geologist (919) 828 - 0577 x222  
 Facility Representative Name (Print) Title (Area Code) Telephone Number  
 Signature Date 3/7/16 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**

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Facility Name: City of High Point Closed Riverdale Landfill Permit Number: 41-01  
 Date of Sampling: 12/24/2015 NC Landfill Rule (.0500 or .1600): .0500  
 Name and Position of Sample Collector: Carter Shore (S+G)  
 Type and Serial Number of Gas Meter: ENV100 1510204 Calibration Date of Gas Meter: 10/20/2015  
 Date and Time of Field Calibration: 12/24/2015 11:47  
 Type of Field Calibration Gas (15/15 or 35/50): 15/15 Expiration Date of Field Calibration Gas Canister: 2017  
 Pump Rate of Gas Meter: 0.5 LPM  
 Ambient Air Temperature: 70 F Barometric Pressure: 30.06 Hg General Weather Conditions: Overcast

**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
1-1	>60s	13:05	>60s	0	0	0	15.5	2.9	
LFG 3	>60s	13:11	>60s	0	0	0	20.2	0	
LFG 4	>60s	13:19	>60s	0	0	0	13.2	3.9	
LFG 5	>60s	13:24	>60s	0	0	0	12.0	3.2	
LFG 6	>60s	13:37	>60s	>100	>100	16.3	2.9	33.3	
LFG 7	>60s	13:57	>60s	>100	>100	53.2	0.1	31.1	
7-1	>60s	13:52	>60s	>100	>100	17.5	5.2	20.8	
7-2	>60s	14:01	>60s	2	2	0.1	19.8	1.3	
7-3	>60s	14:05	>60s	>100	>100	2.9	1.1	14.1	
7-4	>60s	14:09	>60s	>100	>100	59.0	0	37.0	
LFG 8	>60s	14:13	>60s	>100	>100	59.1	1.1	3.7	
LFG 8A	>60s	14:15	>60s	>100	>100	60.5	0.2	29.9	
LFG 8B	>60s	14:18	>60s	>100	>100	57.1	0.1	39.6	
8-1	>60s	14:25	>60s	2	2	0.1	20.8	0.1	
8-2	>60s	14:28	>60s	>100	>100	66.2	0	33.8	
8-3	>60s	14:35	>60s	>100	>100	53.9	0	35.0	
8-4	>60s	14:39	>60s	>100	>100	59.9	0.6	33.0	
8-5	>60s	14:42	>60s	>100	>100	64.1	0	25.8	
LFG 9	>60s	14:45	>60s	>100	>100	55.0	4.3	24.0	
9-1	>60s	14:49	>60s	>100	>100	52.9	0	39.4	
LFG 10	>60s	14:57	>60s	2	2	0.1	15	1.5	
Old Maint Bldg	>60s	13:28	>60s	0	0	0	0	20.5	
Electrical Shop	>60s	13:31	>60s	0	0	0	0	20.5	

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



Staff Engineer

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	NC LIC. NO. C-0828 (ENGINEERING) <b>SMITH + GARDNER</b> 14 N. Boylan Avenue, Raleigh NC 27603   919.828.0577