

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):

Golder Associates NC, Inc. on behalf of Henderson County

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

Name: David Y. Reedy II Phone: 336-852-4903
 E-mail: dreedy@golder.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Henderson County Closed Landfill	802 Stoney Mountain Road Hendersonville, NC 28791	45-01	.1600/.0500	September 18, 2014

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.

David Y. Reedy II, P.G. Senior Hydrogeologist 336-852-4903
 Facility Representative Name (Print) Title (Area Code) Telephone Number
 9-24-14
 Signature Date Affix NC Licensed/ Professional Geologist Seal

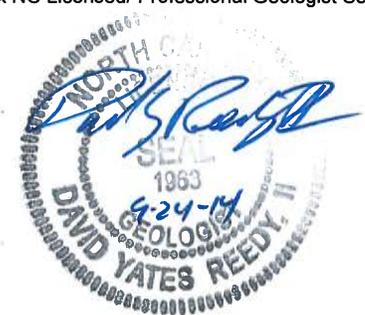
Golder Associates NC, Inc., 5B Oak Branch Drive, Greensboro, NC 27407

Facility Representative Address

C-2862

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

Revised 6/2009





September 24, 2014

083-9650614.200

Ms. Jaclynne Drummond
Compliance Hydrogeologist
North Carolina Department of Environment and Natural Resources
Division of Waste Management – Solid Waste Section
1646 Mail Service Center
Raleigh, North Carolina 27699-1646
Ph. 919-707-8294

**RE: METHANE MONITORING RESULTS – THIRD QUARTERLY EVENT OF 2014
CLOSED HENDERSON COUNTY LANDFILL, PERMIT NO. 45-01
HENDERSON COUNTY, NORTH CAROLINA**

Dear Jackie:

Attached are the results from the September 18, 2014, third quarterly methane monitoring event conducted at the above-referenced facility. As shown on the attach Boundary Gas Probe Monitoring Log, there was a detection of methane noted above the lower explosive limit (LEL) during this event in compliance monitoring point MP-5, as it has been during previous events. No methane was detected in the facility structures during this compliance monitoring event.

Please allow this letter report to act as the 7-day notification of methane exceedances as required by the North Carolina Solid Waste Management Regulations. If you have any questions or concerns, please contact us at 336-852-4903.

Sincerely,
GOLDER ASSOCIATES NC, INC.

A handwritten signature in blue ink, appearing to read "Dusty Y. Reedy II".

David "Dusty" Y. Reedy II, P.G.
Senior Hydrogeologist

A handwritten signature in blue ink, appearing to read "Rachel P. Kirkman".

Rachel P. Kirkman, P.G.
Associate and Senior Consultant

Attachment: Boundary Gas Probe Monitoring Log – September 18, 2014
Methane Monitoring Location Map

Cc: Marcus Jones, P.E., Director of Engineering, Henderson County, 1 Historic Courthouse Square, Suite 6, Hendersonville, NC 28792. 828-694-6560. majones@hendersoncountync.org (electronic copy)

Natalie Berry, P.E., Assistant County Engineer, Henderson County, 100 North King Street, Hendersonville, North Carolina 28792. 828-694-6521. nberry@hendersoncountync.org

Greg Wiggins, Operations Manager, Henderson County, 191 Transfer Station Drive, Hendersonville, North Carolina 28791. 828-694-7982. gwiggins@hendersoncountync.org

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Engineering Lic. No. C-2862/Geology Lic. No. C-399

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DATE: 9/18/2014

BOUNDARY PROBE MONITORING LOG

Project Name: Henderson County
 Site Contact: Natalie Berry

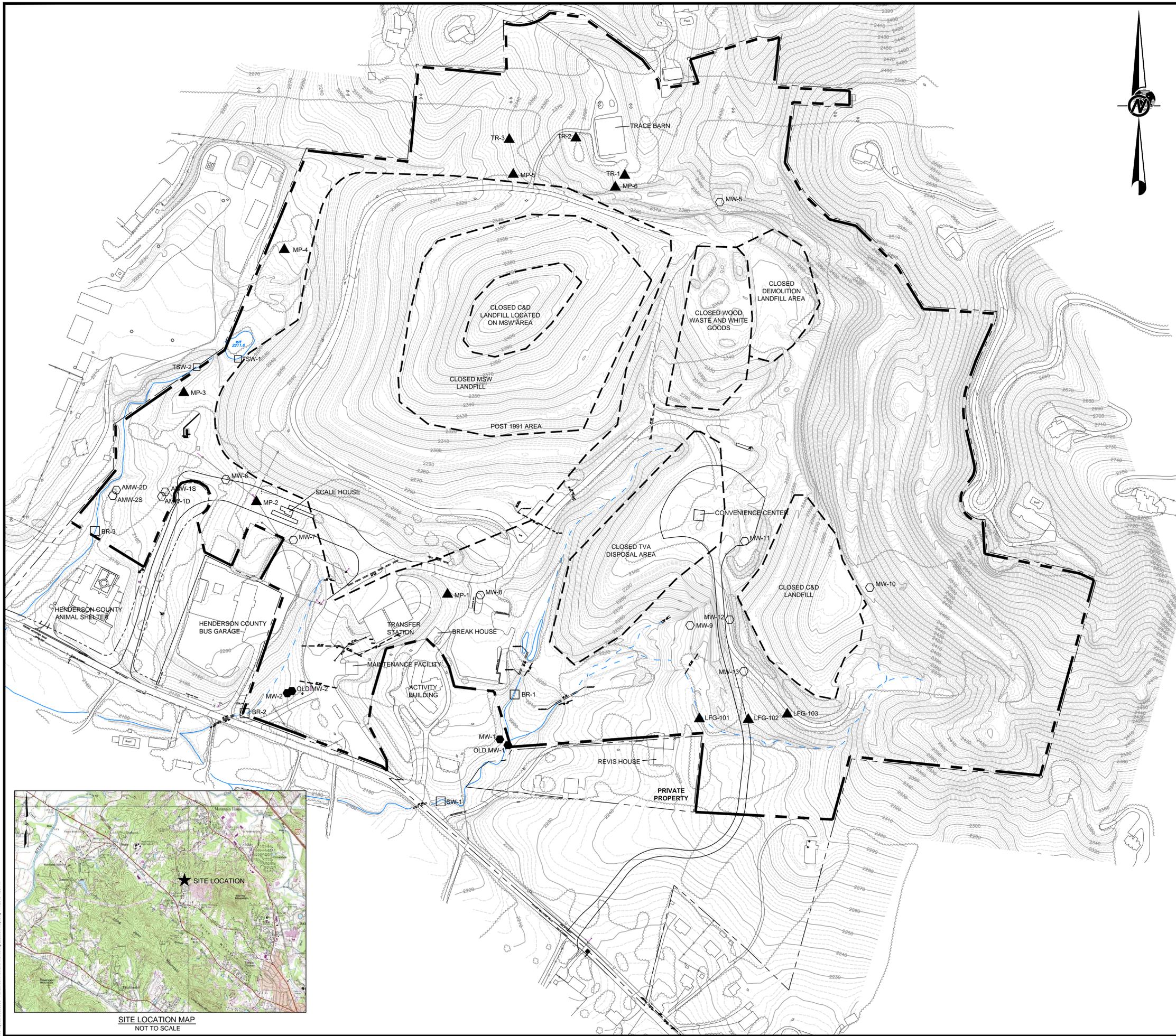
Project Number: 0839650614.200
 Technician(s): A. Stoddard, B. Freyer

High Temperature: 75.9° F
 Starting Barometric Pressure: 29.97" Hg
 Monitoring Equipment: GEM 2000+

Low Temperature: 73.9° F
 End Barometric Pressure: 29.96" Hg

Monitoring Point	Time	% Methane (CH ₄)	% Carbon Dioxide (CO ₂)	% Oxygen (O ₂)	H2S (ppm)	Comments
MP-1	15:41	0.0	3.8	17.6	0	
MP-3	15:20	0.0	2.5	18.6	0	
MP-4	15:26	0.2	1.8	18.1	0	
MP-5	15:29	48.8	38.5	0.0	4	
MP-6	15:37	0.7	1.4	18.5	0	
LFG-101	16:08	0.1	3.1	18.0	0	
LFG-102	15:58	0.1	3.0	17.4	0	
LFG-103	15:54	0.1	6.2	15.0	0	
TR-1	15:35	0.0	1.7	18.9	0	
TR-2	15:33	0.0	0.3	20.2	0	
TR-3	15:31	0.2	6.3	15.5	0	
Activity Building	15:45	0.0	0.0	20.8	0	Building
Animal Shelter	16:20	0.0	0.0	20.7	0	Building
Break House	15:44	0.0	0.0	20.7	0	Building
Bus Garage	16:19	0.0	0.0	20.7	0	Building
Convenience Center	14:30	0.0	0.1	20.7	0	Building
Maintenance Shop	15:50	0.0	0.0	20.8	0	Building
Scalehouse	16:29	0.0	0.0	20.7	0	Building
Trace Barn	15:34	0.0	0.0	20.6	0	Building

Completed by: *[Signature]*



LEGEND

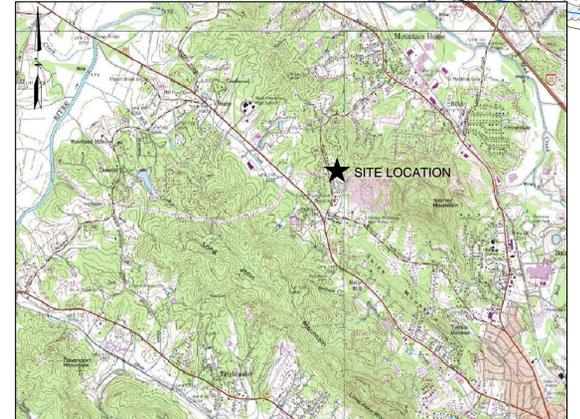
- EXISTING 10 FT. CONTOUR
- EXISTING 2 FT. CONTOUR
- - - - - PROPERTY LINE
- - - - - LIMITS OF WASTE
- STREAM
- BUFFER
- TREELINE
- EXISTING ROAD
- - - - - FENCE
- MW-8
2210.79 COMPLIANCE MONITORING WELL AND IDENTIFICATION
- MW-1 NON COMPLIANCE MONITORING WELL AND IDENTIFICATION
- ▲ MP-6 METHANE MONITORING PROBE AND IDENTIFICATION
- BR-1 SURFACE WATER MONITORING POINT AND IDENTIFICATION

NOTES

1. TOPOGRAPHIC CONTOUR INTERVAL = 2 FEET
2. COORDINATE SYSTEM IS N.C. STATE PLANE GRID.
3. TOPOGRAPHIC DIVIDING LINE DIVIDES THE BASE MAP TOPOGRAPHIC CONTOURS FROM LANDSAT TOPOGRAPHIC CONTOURS. LANDSAT TOPOGRAPHIC CONTOURS HAVE A 5-CONTOUR INTERVAL.

REFERENCES

1. BASE MAP PROVIDED BY CAMP DRESSER & MCKEE FROM PREVIOUS WATER QUALITY MONITORING REPORTS.



SITE LOCATION MAP
NOT TO SCALE

04/12/13	DAC	REVISED GW CONTOURS	BSD		
11/21/12	DYR	REVISED GW CONTOURS	LKB	DYR	RPK
REV	DATE	DES	CADD	CHK	RW

PROJECT
**HENDERSON COUNTY CLOSED MSW AND C&D LANDFILL
PERMIT # 45-01**

TITLE
METHANE MONITORING LOCATION MAP

<p>Golder Associates GOLDER ASSOCIATES, INC.</p>	PROJECT No.	083-9650612	FILE No.	Methane Monitoring Location Map
	DESIGN	JAD	04/28/09	SCALE AS SHOWN
	CADD	LKB	04/28/09	
	CHECK	DYR	06/30/09	
	REVIEW	RPK	06/30/09	DWG. 1

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