

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

Scanned by	Date

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)).
- In accordance with NC General Statutes Chapter 89C and 89E and NC Solid Waste Management Rules 15A NCAC 13B, be sure to affix a seal to the bottom of this page, when applicable.
- 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: Chris Randazzo

Phone: 704.338.6777

E-mail: chris.randazzo@hdrinc.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Old Salisbury Road Landfill	3336 Old Salisbury Road Winston-Salem, NC 27127	34-12	.1600	November 13, 2006

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.

Chris Randazzo

Site Geologist

704.338.6777

Facility Representative Name (Print)

Title

(Area Code) Telephone Number

Signature

Date

Affix NC Licensed/ Professional Geologist/Engineer Seal here:



RC0900

January 18, 2007

Fac/Perm/Co ID #	Date	Doc ID#
PC	6/10/09	DIN

Ms. Jaelynne Drummond
North Carolina Department of Environment
and Natural Resources (NCDENR)
Environmental Compliance
Solid Waste Section
1646 Mail Service Center
Raleigh, NC 27699-1646

Re: Fall 2006 Semiannual Groundwater Sampling Analytical
and Landfill Gas Monitoring Results
Winston-Salem Construction and Demolition (C&D) Landfill (No. 34-12)
Forsyth County, North Carolina
HDR Project No. 00162-40925-018

Dear Ms. Drummond:

HDR Engineering, Inc. of the Carolinas (HDR), on behalf of the Winston-Salem City/County Utility Commission (the City), is hereby submitting the groundwater analytical and landfill gas monitoring results for the Fall 2006 monitoring period (July through December 2006) at the C&D Landfill (the Landfill) located in Forsyth County, North Carolina.

Groundwater samples were collected from on-site detection monitoring wells MW-1R, MW-2R, MW-3R, MW-4R, MW-5R, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, MW-13, and MW-14 on November 13, 2006, for the eight (8) Resource Conservation and Recovery Act (RCRA) metals and Appendix I volatile organic compound (VOC) analysis. In addition, two surface water quality samples were collected and analyzed for the same parameters. Upstream surface water (SW-1) and downstream surface water (SW-2) samples were obtained from the adjacent stream to the east. Field measurements of pH, specific conductance, temperature, salinity, dissolved oxygen, and oxidation - reduction potential were recorded into a data logger during pre-sampling well purging. A printout of this data can be provided upon request. Based on past groundwater flow characteristics for the site groundwater monitoring well MW-1R is located hydraulically upgradient of the Landfill and is considered as "background" for the site.

The metal concentrations detected in the groundwater monitoring wells are reflective of the naturally-occurring trace metals typically present in the saprolite of this region and consistent with historical sampling results from the site. The trace metal concentrations for this period were below their respective 2L groundwater standards at all groundwater monitoring wells and surface water samples with the exception of Lead in MW-14. Lead was detected at 23 ppm, which slightly exceeded its 2L Standard of 15 ppm. The presence of these trace metal detections is due to the turbidity of the sample collected. No VOCs were detected in the groundwater monitoring wells or surface water locations during this period. A full copy of the lab analysis data is on the enclosed CD.

HDR Engineering, Inc. of the Carolinas

128 S Tryon Street
Suite 1400
Charlotte, NC 28202-5004

Phone: (704) 338-6700
Fax: (704) 338-6760
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Ms. Jaclyne Drummond
January 18, 2007
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Landfill gas monitoring was performed from the thirteen (13) permanent methane gas monitoring stations (MM-1 through MM-12 and the scalehouse) located around the perimeter of the Landfill. Methane stations MM-2 and MM-4 are nested monitoring stations, while all other stations are constructed as single monitoring points. No trace of methane was detected in any of the on-site methane monitoring stations.

The results of this recent sampling event indicate that the existing groundwater monitoring well network at the Landfill is adequate to provide representative groundwater quality data and release detection determination for the Landfill.

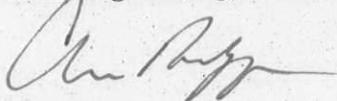
The following attachments are provided for your reference:

- Table 1– Historical Groundwater Analytical Results
- Perimeter Gas Probe Monitoring Field Data Form
- Groundwater and Methane Gas Monitoring Well Locations

If you have any questions or comments concerning the information summarized in this letter or in the attached analytical data, please do not hesitate to contact me at (704) 338-6777.

Sincerely,

HDR Engineering, Inc. of the Carolinas



Chris Randazzo, PG
Project Geologist

CR/apb

Enclosures (3)

cc: Edward Gibson, PE, Winston-Salem City/County Utility Commission
File (w/ hard copy of laboratory sheets)

TABLE 1
 OLD SALISBURY ROAD
 HISTORICAL GROUNDWATER ANALYTICAL RESULTS

WELL NUMBER	DATE	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	VOCs
		(50)	(2000)	(5)	(50)	(15)	(1.1)	(50)	(18)	(Varies)
MW-1R	1/17/1996	ND	224	ND	ND	6	1.8	ND	ND	23
	10/24/1996	ND	180	ND	6	ND	0.2	ND	ND	ND
	5/13/1997	ND	100	ND	3	ND	ND	ND	ND	ND
	10/30/1997	ND	290	ND	11	12	ND	ND	ND	ND
	5/5/1998	ND	100	ND	49	ND	ND	ND	ND	ND
	11/5/1998	ND	160	ND	12	ND	ND	ND	ND	28
	6/2/1999	ND	150	ND	7.8	ND	ND	ND	ND	19
	11/19/1999	ND	130	ND	5.2	ND	ND	ND	ND	ND
	6/5/2000	ND	110	ND	ND	ND	ND	ND	ND	ND
	12/14/2000	ND	150	ND	6.6	ND	~	ND	ND	ND
	7/31/2001	ND	87	ND	6.6	ND	ND	ND	ND	ND
	11/29/2001	5.8	280	ND	22	10	~	ND	ND	21
	4/17/2002	ND	130	ND	5	ND	ND	ND	ND	ND
	12/9/2002	ND	100	ND	2.3	ND	ND	ND	ND	ND
	5/29/2003	ND	120	ND	4.3	ND	ND	ND	ND	ND
	11/4/2003	ND	460	ND	ND	22	ND	ND	ND	ND
	5/11/2004	ND	96.3	ND	3.5	ND	ND	ND	ND	ND
	11/24/2004	ND	95	ND	2	ND	ND	ND	ND	ND
	6/8/2005	ND	48	ND	ND	ND	ND	5.5	ND	ND
	11/17/2005	ND	78	ND	ND	ND	ND	ND	ND	ND
4/13/2006	ND	82	ND	ND	ND	ND	ND	ND	ND	
11/13/2006	ND	94	ND	ND	ND	ND	ND	ND	ND	
MW-2R	1/17/1996	ND	350	ND	12	26	0.4	ND	ND	86
	10/24/1996	ND	160	ND	9	8	ND	ND	ND	ND
	5/13/1997	ND	200	3	4	14	ND	ND	6	ND
	10/30/1997	ND	340	ND	43	31	ND	ND	ND	ND
	5/5/1998	ND	190	ND	34	19	ND	ND	ND	ND
	11/5/1998	11	1100	ND	210	68	ND	ND	ND	ND
	6/2/1999	ND	150	ND	7.8	ND	ND	ND	ND	13
	11/19/1999	ND	120	ND	14	6.9	ND	ND	ND	ND
	6/5/2000	ND	180	ND	3	6.5	ND	ND	ND	ND
	12/14/2000	ND	61	ND	3.9	ND	~	ND	ND	ND
	7/31/2001	ND	280	ND	16	8.9	ND	ND	ND	ND
	11/29/2001	ND	160	ND	16	7	~	ND	ND	ND
	4/17/2002	ND	100	ND	ND	ND	ND	ND	ND	ND
	12/9/2002	ND	140	1.9	2.1	ND	ND	ND	ND	ND
	5/29/2003	ND	56	ND	ND	ND	ND	ND	ND	ND
	11/4/2003	ND	60	ND	2.2	ND	ND	ND	ND	ND
	5/11/2004	ND	55	ND	ND	ND	ND	ND	ND	ND
	11/23/2004	ND	52	ND	ND	ND	ND	ND	ND	ND
	6/8/2005	ND	43	ND	ND	ND	ND	ND	ND	ND
	11/17/2005	ND	62	ND	ND	ND	0.34	ND	ND	ND
4/13/2006	ND	52	ND	ND	ND	ND	ND	ND	ND	
11/13/2006	ND	90	ND	ND	ND	ND	ND	ND	ND	

See footnotes at end of tables.

TABLE 1
 OLD SALISBURY ROAD
 HISTORICAL GROUNDWATER ANALYTICAL RESULTS

WELL NUMBER	DATE	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	VOCs
		(50)	(2000)	(5)	(50)	(15)	(1.1)	(50)	(18)	(Varies)
MW-3R	1/17/1996	ND	1230	ND	9	15	0.7	ND	ND	ND
	10/24/1996	ND	790	ND	20	15	ND	ND	ND	ND
	5/13/1997	ND	800	ND	28	27	ND	ND	ND	ND
	10/30/1997	ND	620	ND	16	26	0.2	ND	ND	ND
	5/5/1998	ND	860	ND	25	32	ND	ND	ND	ND
	11/5/1998	ND	1400	ND	77	39	ND	ND	ND	ND
	6/2/1999	~	~	~	~	~	~	~	~	ND
	11/19/1999	5.9	52	ND	24	40	ND	ND	ND	ND
	6/5/2000	ND	300	ND	ND	ND	ND	ND	ND	ND
	12/14/2000	31	1500	ND	100	80	~	ND	ND	ND
	7/31/2001	18	950	ND	50	53	ND	ND	ND	ND
	11/29/2001	8.4	400	ND	19	35	~	ND	ND	ND
	4/17/2002	7.4	370	ND	15	21	ND	ND	ND	ND
	12/9/2002	ND	13	ND	ND	ND	ND	ND	ND	ND
	5/29/2003	ND	220	ND	ND	ND	ND	ND	ND	ND
	11/4/2003	ND	200	ND	2.3	ND	ND	ND	ND	ND
	5/11/2004	ND	270	ND	3.7	14	ND	ND	ND	ND
	11/24/2004	ND	340	ND	2.3	ND	ND	ND	ND	ND
	6/8/2005	ND	300	ND	ND	ND	ND	ND	ND	ND
	11/17/2005	ND	300	ND	ND	ND	ND	ND	ND	ND
4/13/2006	ND	290	ND	ND	ND	ND	ND	ND	ND	
11/13/2006	ND	230	2	ND	ND	ND	ND	ND	ND	
MW-4R	1/17/1996	ND	595	7	21	17	1.7	ND	ND	ND
	10/24/1996	ND	720	ND	47	16	0.3	ND	ND	ND
	5/13/1997	ND	280	ND	ND	12	ND	ND	6	ND
	10/30/1997	ND	650	ND	55	29	ND	ND	ND	ND
	5/5/1998	ND	850	ND	130	43	ND	ND	ND	ND
	11/5/1998	ND	2000	ND	300	76	0.21	ND	ND	ND
	6/2/1999	ND	950	ND	110	50	ND	ND	ND	10
	11/19/1999	7.5	860	ND	60	40	0.36	ND	ND	ND
	6/5/2000	ND	570	ND	ND	9.5	ND	ND	ND	ND
	12/14/2000	ND	350	ND	28	8.1	~	ND	ND	ND
	7/31/2001	5.6	550	ND	38	14	ND	ND	ND	ND
	11/29/2001	12	900	ND	95	36	~	ND	ND	ND
	4/17/2002	ND	61	ND	ND	ND	ND	ND	ND	ND
	12/9/2002	ND	86	ND	5	6	ND	ND	ND	ND
	5/29/2003	ND	94	ND	5.5	5.3	ND	ND	ND	ND
	11/4/2003	ND	97	ND	2.6	ND	ND	ND	ND	ND
	5/11/2004	9.2	380	ND	14	18	ND	ND	ND	ND
	11/24/2004	ND	140	ND	ND	ND	ND	ND	ND	ND
	6/8/2005	ND	150	ND	ND	ND	ND	ND	ND	ND
	11/17/2005	ND	180	ND	ND	ND	ND	ND	ND	ND
4/13/2006	ND	220	ND	ND	ND	ND	ND	ND	ND	
11/13/2006	ND	220	ND	ND	ND	ND	ND	ND	ND	

See footnotes at end of tables.

TABLE 1
 OLD SALISBURY ROAD
 HISTORICAL GROUNDWATER ANALYTICAL RESULTS

WELL NUMBER	DATE	Arsenic (50)	Barium (2000)	Cadmium (5)	Chromium (50)	Lead (15)	Mercury (1.1)	Selenium (50)	Silver (18)	VOCs (Varies)
MW-5R	1/17/1996	ND	1000	ND	96	19	0.8	ND	ND	ND
	10/24/1996	ND	620	ND	43	20	ND	ND	ND	ND
	5/13/1997	ND	330	ND	70	14	ND	ND	ND	ND
	10/30/1997	ND	610	ND	16	31	ND	ND	ND	ND
	5/5/1998	5	820	ND	170	69	ND	ND	ND	175
	11/5/1998	ND	480	ND	96	29	ND	ND	ND	10
	6/2/1999	ND	240	ND	38	16	ND	ND	ND	ND
	11/19/1999	ND	200	ND	29	8.2	ND	ND	ND	ND
	6/5/2000	ND	200	ND	8.1	ND	ND	ND	ND	ND
	12/14/2000	5	400	ND	82	7.6	~	ND	ND	ND
	7/31/2001	ND	270	ND	49	7.6	ND	ND	ND	ND
	11/29/2001	7	610	ND	140	13	~	ND	ND	ND
	4/17/2002	ND	150	ND	23	ND	ND	ND	ND	ND
	12/9/2002	ND	65	ND	7.4	ND	ND	ND	ND	ND
	5/29/2003	ND	72	2.7	9.5	ND	ND	ND	ND	ND
	11/4/2003	ND	65	ND	8.7	ND	ND	ND	ND	ND
	5/11/2004	5	76	ND	7.3	5.1	ND	ND	ND	ND
	11/24/2004	5.1	80	ND	14	ND	ND	ND	ND	ND
	6/8/2005	ND	53	ND	5.6	ND	ND	ND	ND	ND
	11/17/2005	ND	54	ND	3.5	ND	0.4	ND	ND	ND
4/13/2006	ND	57	ND	6.2	ND	ND	ND	ND	ND	
11/13/2006	ND	58	ND	6.2	ND	ND	ND	ND	ND	
MW-6R	1/17/1996	ND	1400	ND	12	18	1.4	ND	ND	ND
	10/24/1996	ND	590	ND	10	11	ND	ND	ND	ND
	5/13/1997	ND	300	ND	21	14	ND	ND	ND	ND
	10/30/1997	ND	260	ND	14	14	ND	ND	ND	ND
	5/5/1998	ND	360	ND	33	20	ND	ND	ND	ND
	11/5/1998	ND	160	ND	12	ND	ND	ND	ND	ND
	6/2/1999	~	~	~	~	~	~	~	~	ND
	11/19/1999	ND	59	ND	2.8	ND	ND	ND	ND	ND
	6/5/2000	ND	82	ND	ND	5.8	ND	ND	ND	ND
	12/14/2000	ND	41	ND	2.6	ND	~	ND	ND	ND
	7/31/2001	ND	62	ND	4.1	ND	ND	ND	ND	ND
	11/29/2001	16	530	ND	95	38	~	ND	ND	ND
	4/17/2002	ND	180	ND	26	7.6	ND	ND	ND	ND
	12/9/2002	ND	41	ND	3.2	ND	ND	ND	ND	ND
	5/29/2003	ND	24	ND	ND	ND	ND	ND	ND	12
11/4/2003	ND	25	ND	2.4	ND	ND	ND	ND	ND	
5/11/2004	ND	28	ND	2.2	ND	ND	ND	ND	ND	

See footnotes at end of tables.

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 HISTORICAL GROUNDWATER ANALYTICAL RESULTS

WELL NUMBER	DATE	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	VOCs
		(50)	(2000)	(5)	(50)	(15)	(1.1)	(50)	(18)	(Varies)
MW-7	1/17/1996	ND	1930	ND	28	17	1.4	ND	ND	ND
	10/24/1996	ND	970	ND	21	6	0.4	ND	ND	ND
	5/13/1997	ND	750	ND	180	23	ND	ND	ND	ND
	10/30/1997	ND	1800	ND	410	53	0.2	ND	ND	ND
	5/5/1998	ND	1200	ND	430	38	ND	ND	ND	ND
	11/5/1998	ND	1300	ND	350	36	ND	ND	ND	9
	6/2/1999	9.8	960	ND	190	30	ND	ND	ND	10
	11/19/1999	ND	390	ND	62	12	ND	ND	ND	ND
	6/5/2000	ND	360	ND	2.5	8.7	ND	ND	ND	ND
	12/14/2000	45	2600	ND	580	65	~	ND	ND	ND
	7/31/2001	16	1300	ND	210	26	ND	ND	ND	ND
	11/29/2001	17	1300	ND	270	36	~	ND	ND	ND
	4/17/2002	ND	84	ND	6.8	ND	ND	ND	2.6	ND
	12/9/2002	ND	210	ND	32	6	ND	ND	ND	ND
	5/29/2003	ND	130	ND	17	5.3	ND	ND	ND	ND
	11/4/2003	8.6	820	ND	150	24	ND	ND	ND	ND
	5/11/2004	ND	180	ND	26	ND	ND	ND	ND	ND
	11/24/2004	ND	63	ND	4.4	ND	ND	ND	ND	ND
	6/8/2005	ND	53	ND	ND	ND	ND	ND	ND	ND
	11/17/2005	ND	60	ND	ND	ND	0.24	ND	ND	ND
4/13/2006	ND	74	ND	ND	ND	ND	ND	ND	ND	
11/13/2006	ND	76	ND	ND	ND	ND	ND	ND	ND	
MW-8	12/14/2000	89	4200	ND	240	400	~	ND	ND	ND
	7/31/2001	46	2600	ND	92	210	ND	ND	ND	ND
	11/29/2001	36	2700	ND	94	150	~	ND	ND	ND
	4/17/2002	ND	150	ND	23	ND	ND	ND	ND	ND
	12/9/2002	ND	48	ND	2	ND	ND	ND	ND	ND
	5/29/2003	ND	77	ND	3.8	6.7	ND	ND	ND	ND
	11/4/2003	ND	52	ND	3.2	ND	ND	ND	ND	ND
	5/11/2004	6	480	ND	28	41	ND	ND	ND	ND
	11/23/2004	ND	30	ND	2.4	ND	ND	ND	ND	ND
	6/8/2005	ND	25	ND	ND	ND	ND	ND	ND	ND
	11/17/2005	ND	26	ND	ND	ND	0.26	ND	ND	ND
4/13/2006	ND	29	ND	ND	ND	ND	ND	ND	ND	
11/13/2006	ND	29	ND	ND	ND	ND	ND	ND	ND	

See footnotes at end of tables.

TABLE 1
 OLD SALISBURY ROAD
 HISTORICAL GROUNDWATER ANALYTICAL RESULTS

WELL NUMBER	DATE	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	VOCs
		(50)	(2000)	(5)	(50)	(15)	(1.1)	(50)	(18)	(Varies)
MW-9	8/24/2004	ND	240	ND	14	14	ND	ND	ND	ND
	11/23/2004	ND	95	ND	ND	ND	ND	ND	ND	ND
	6/8/2005	ND	85	ND	ND	ND	ND	ND	ND	ND
	11/17/2005	ND	100	ND	ND	ND	ND	ND	ND	ND
	4/13/2006	ND	100	ND	ND	ND	ND	ND	ND	ND
	11/13/2006	ND	140	ND	ND	ND	ND	ND	ND	ND
MW-10	8/24/2004	ND	98	ND	13	6.8	ND	6.2	ND	ND
	11/23/2004	ND	55	ND	ND	ND	ND	ND	ND	ND
	6/8/2005	ND	82	ND	ND	ND	ND	ND	ND	ND
	11/17/2005	ND	46	ND	ND	ND	0.2	ND	ND	ND
	4/13/2006	ND	48	ND	ND	ND	ND	ND	ND	ND
	11/13/2006	ND	71	ND	ND	ND	ND	ND	ND	ND
MW-11	8/24/2004	ND	47	ND	3.3	ND	ND	ND	ND	ND
	11/23/2004	ND	28	ND	3.9	ND	ND	ND	ND	ND
	6/8/2005	ND	24	ND	ND	ND	ND	ND	ND	ND
	11/17/2005	ND	27	ND	ND	ND	ND	ND	ND	ND
	4/13/2006	ND	26	ND	ND	ND	ND	ND	ND	ND
	11/13/2006	ND	24	ND	ND	ND	ND	ND	ND	ND
MW-12	8/24/2004	ND	74	ND	ND	ND	ND	ND	ND	ND
	11/23/2004	ND	77	ND	2.1	ND	ND	ND	ND	ND
	6/8/2005	ND	50	ND	ND	ND	ND	ND	ND	ND
	11/17/2005	ND	77	ND	ND	ND	ND	ND	ND	ND
	4/13/2006	ND	55	ND	4	ND	ND	ND	ND	ND
	11/13/2006	ND	66	ND	ND	ND	ND	ND	ND	ND
MW-13	8/24/2004	ND	160	ND	9.2	11	ND	ND	ND	ND
	11/23/2004	ND	57	ND	4.8	ND	ND	ND	ND	ND
	6/8/2005	ND	46	ND	ND	ND	ND	ND	ND	ND
	11/17/2005	ND	59	ND	ND	ND	ND	ND	ND	ND
	4/13/2006	ND	65	ND	2	ND	ND	ND	ND	ND
	11/13/2006	ND	62	ND	ND	ND	ND	ND	ND	ND
MW-14	8/24/2004	ND	170	ND	3.2	8	ND	ND	ND	ND
	11/23/2004	ND	66	ND	ND	ND	ND	ND	ND	ND
	6/8/2005	ND	69	ND	ND	ND	ND	ND	ND	ND
	11/17/2005	ND	120	ND	3.9	5.9	0.44	ND	ND	ND
	4/13/2006	ND	250	ND	15	13	ND	ND	ND	ND
	11/13/2006	8.3	460	ND	35	23	ND	ND	ND	ND
SW-1	8/24/2004	20	500	ND	36	38	ND	ND	ND	ND
	11/23/2004	ND	53	ND	3.2	ND	ND	ND	ND	ND
	6/8/2005	23	750	ND	52	57	ND	ND	ND	ND
	11/17/2005	ND	73	ND	ND	ND	1.1	ND	ND	ND
	4/13/2006	ND	120	ND	4.2	ND	ND	ND	ND	ND
	11/13/2006	ND	54	ND	ND	ND	ND	ND	ND	ND
SW-2	8/24/2004	ND	63	ND	ND	ND	ND	ND	ND	ND
	11/23/2004	ND	65	ND	ND	ND	ND	ND	ND	ND
	6/8/2005	ND	47	ND	ND	ND	ND	ND	ND	ND
	11/17/2005	ND	51	ND	ND	ND	ND	ND	ND	ND
	4/13/2006	ND	150	ND	4.7	7.6	ND	ND	ND	ND
	11/13/2006	ND	44	ND	ND	ND	ND	ND	ND	ND

ND - Non Detect
 ~ - Not Sampled
 All results in ppb.
 Highlighted cells indicate exceedances in 2L Standards.
 (50) - 2L Standard

**WINSTON-SALEM: OLD SALISBURY ROAD
CONSTRUCTION AND DEMOLITION LANDFILL
METHANE GAS MONITORING RESULTS**

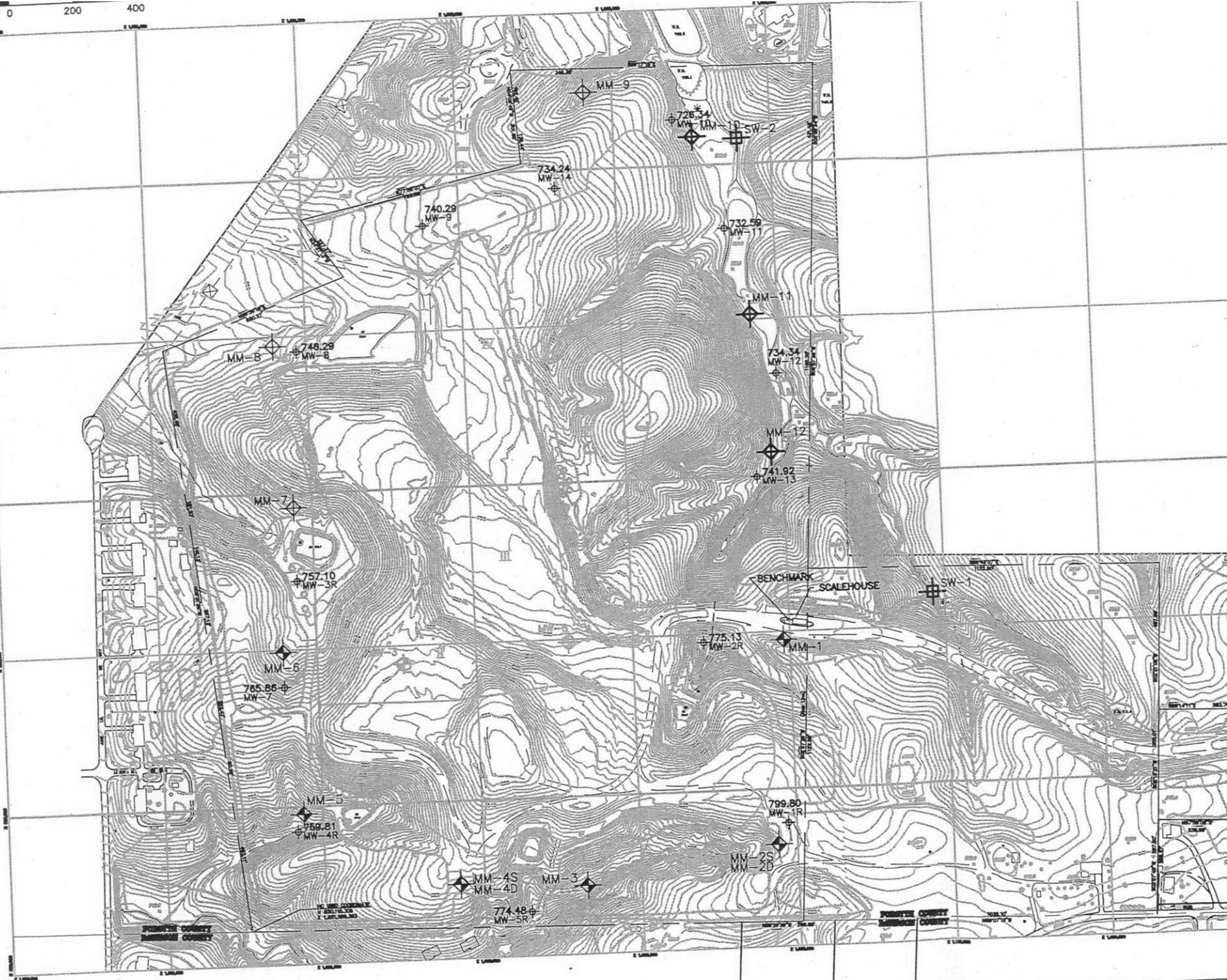
Date: 11.13.2660		Inspector: JJQ		Instrument: GEM-500
Temperature Start/End (°F): 65/60		Weather: sunny, light wind		Barometric Pressure: 29.99
Methane Monitoring Point	Methane: CH ₄	Carbon Dioxide: CO ₂	Oxygen: O ₂	Remarks
Scale-house	0.0	0.0	18.9	
1	0.0	3.9	15.1	
2S	0.0	1.5	19.1	
2D	0.0	1.0	18.8	
3	0.0	0.2	19.8	
4S	0.0	5.5	12.6	
4D	0.0	4.5	14.1	
5	0.0	0.0	20.7	
6	0.0	0.0	18.8	
7	0.0	0.4	20.1	
8	0.0	0.0	19.7	
9	0.0	0.0	18.7	
10	0.0	0.0	21.0	
11	0.0	0.0	21.0	
12	0.0	0.0	17.4	

NOTES:

LEL = Lower explosive limit
All reading units are in %.

10162-GW-MP-LOCATIONS.DWG, Layout1, 12/7/2005 4:32:09 PM, jgaul

-200 -100 0 200 400



HDR
HDR Engineering, Inc.

Project Manager
J.C. READING, P.E.
Designed
M.D. PLUMMER, P.E.
Designed