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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)).
- 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: Joan Smyth, P.G. Phone: 919-828-0577 x 122
E-mail: joan@rsgengineers.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Avery County C&D Landfill	Avery County Landfill 2175 Brushy Creek Road Spruce Pine, NC 28777	06-03	.0500	April 17, 2008

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 CRPS 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.

Joan Smyth, P.G. Senior Hydrogeologist 919-828-0577 x122
 Facility Representative Name (Print) Title (Area Code) Telephone Number

Joan A. Smyth 6/19/08
 Signature Date

Affix NC Licensed/Professional Geologist/Engineer Seal here:



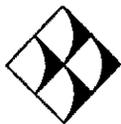
Avery County C&D Landfill
Ground Water Monitoring Report

**April 2008 Semi-annual
Monitoring Event**

**Avery County Landfill
Newland, North Carolina
NC Solid Waste Permit # 06-03**

Prepared for:
Avery County Solid Waste
175 Linville St.
Newland, North Carolina 28657

June 2008



Richardson Smith Gardner & Associates, Inc.
Engineering and Geological Services
14 North Boylan Avenue
Raleigh, North Carolina 27603

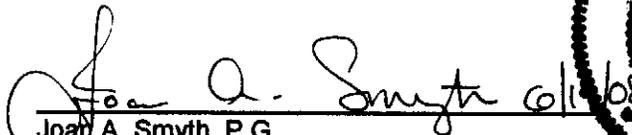
Spring 2008 Ground Water Monitoring Report

**Avery County C&D Landfill
Newland, North Carolina
NC Solid Waste Permit # 06-01**

Prepared for:

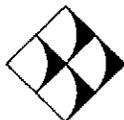
**Avery County Solid Waste
175 Linville st.
Newland, North Carolina 28657**

RSG Project No. **Avery 07-2**


Joan A. Smyth, P.G.
Senior Hydrogeologist



June 2008



RICHARDSON SMITH GARDNER & ASSOCIATES
Engineering and Geological Services
14 N. Boylan Avenue
Raleigh, North Carolina 27603

**Avery County C&D Landfill
Semi-annual Ground Water Monitoring Report
April 2008 Sampling Event**

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1.0 Introduction

The Avery County Landfill, currently operating under Solid Waste Permit # 06-03 (C&D) and 15A NCAC 13B.0544, is required to submit semi-annual ground water monitoring reports for C&D landfill. This report presents the results of the first semi-annual monitoring event for 2008. This event was performed to comply with the semi-annual monitoring schedule required by NC Solid Waste Regulations.

The ground water monitoring network for the C&D landfill includes four (4) ground water monitoring wells. This report includes summaries of the field procedures and laboratory analyses for the C&D site. Also included are summary tables of the results and laboratory analytical reports.

2.0 Sampling Procedures

The sampling event, performed by trained personnel from Richardson Smith Gardner & Associates (RSG) on April 17th, 2008, consisted of collecting samples from four (4) ground water wells (CDMW-1, CDMW-2, CDMW-3 and CDMW-4), shown in **Figure 1**. Monitoring well CDMW-4 was installed in November 2007 as an upgradient well. Previously no upgradient well for the site had been installed. This sampling was conducted in accordance with the approved site Water Quality Monitoring Plan¹.

Sampling methods followed the protocol outlined in the North Carolina Water Quality Monitoring Guidance Document for Solid Waste Facilities (NCDENR, DWM). The depth to water in each well was gauged prior to purging and sampling. Field measurements of pH, specific conductivity, and temperature were obtained from each well. Water table elevations and field parameter results are included in **Tables 1 and 2**, respectively.

All samples were collected by RSG personnel in laboratory prepared containers for the specified analytical procedures. Samples were collected using new factory sealed teflon bailers. Ground water samples were properly preserved, placed on ice, and transported to the laboratory facility (Environment 1, Inc.), within the specified holding times for each analysis.

3.0 Field and Laboratory Results

3.1 Laboratory Analysis

All samples were transported to the laboratory facility under proper chain of custody analyzed at the specified DWM Solid Waste Quantitation Limits (SWSLs)² for Appendix I nad C&D landfill mandated constituents. The laboratory report is attached for your review as **Appendix A**.

¹ Water Quality Monitoring Plan, GAI Associates, Inc., July 1996

² New Guidelines for Electronic Submittal of Environmental Monitoring Data Memo, NCDENR – Solid Waste Section, October 27, 2006

3.2 Field and Laboratory Results

Ground water and field measurements included in **Table 2**. Detected constituents are presented in **Table 3**.

Ten (10) inorganic constituents (barium, beryllium, chloride, cobalt, copper, manganese, mercury, total chromium, iron, and zinc) shown in **Table 3**, were detected above the SWSL in all four (4) monitoring wells. Of these, six (6) constituents were detected at concentrations above their 2L standard:

- beryllium,
- cobalt,
- iron,
- manganese, and
- mercury.

Table 3 summarizes the list of constituents detected.

One (1) organic constituent, ethylbenzene, was detected above the SWSL in CDMW-2. This constituent was detected at levels below the 2L standard. Constituents detected below the SWSL are denoted as "J" values and are also included in **Table 3**.

4.0 Ground Water Characterization

A potentiometric surface map was prepared from ground water elevation data collected during this sampling event. The data indicates that ground water is flowing generally to the south across most of the site. Hydraulic conductivity data is not available for these wells so ground water velocities could not be calculated. The potentiometric surface map (**Figure 1**) is also attached for your review.

5.0 Conclusions

The results of this monitoring event indicate detectable levels of ten (10) inorganic constituents and one (1) organic constituent. The inorganic constituents are likely due to suspended solids in the samples. While the organic constituent, ethylbenzene, was detected above the SWSL, its level is well below the 2L standard. The next ground water monitoring event is scheduled for October 2008. A report will be submitted to NCDENR upon receipt of laboratory analyses.

Figures

Tables

Table 1
Avery County C&D Landfill
Ground Water Elevations
4/17/2008

Well	Well Location Northing	Well Location Easting	TOC Elevation (feet)	Depth to Water (feet)	GW Elevation (feet)
CDMW-1	817312.18	1121257.85	2880.37	9.46	2870.91
CDMW-2	817190.86	1121007.60	2869.16	6.49	2862.67
CDMW-3	817717.60	1120726.57	2914.76	8.37	2906.39
CDMW-4	818421.66	1121053.03	3035.85	16.35	3019.5

Note: survey data from 9/07 and 1/14/08 by Surveying Solutions, P.C.

Table 2
Avery County C&D Landfill
Field Parameters
4/17/2008

CDMW-1	9.46	12	9.91	120	6.2
CDMW-2	6.49	12	444	30	5.4
CDMW-3	8.37	13	788	30	6.1
CDMW-4	16.35	15	455	10	6.0

Note: pH measured with a 'Hanna' pH/EC/TDS Meter, type HI9811
 Water Levels measured with a Slope Indicator Water Level Meter
 Turbidity measured with a Hach 2100P turbidimeter and
 Temperature measured with a laboratory grade thermometer.
 Data Collected by field technician Clark Wipfield, RSG Engineers Inc.

Table 3
Avery County C&D Landfill
Detected Inorganic and Organic Constituents
4/17/2008

	SWSL	2L	CDMW-1	CDMW-2	CDMW-3	CDMW-4
Antimony	6	—	0.1J	ND	ND	ND
Arsenic	10	50	0.9J	0.2J	0.7J	0.4J
Barium	100	2000	351	107	46.4J	62J
Beryllium	1	—	1.4	0.2J	0.7J	1
Cadmium	1	5	0.3J	0.1J	0.2J	0.1J
Chloride	5	250000	11	12	11	43
Cobalt	10	—	4.0J	0.3J	2.8J	12
Copper	10	1000	11	0.7J	5.4J	13
Chromium, total	10	50	11	ND	9.7J	1.6J
Iron	14	300	28120	362	13260	14850
Lead	10	15	4.2J	0.1J	4.1J	6.5J
Manganese	50	—	520	93	217	739
Mercury	0.2	1.1	0.09J	0.04J	0.2	0.02J
Nickel	50	100	7.2J	1.3J	5.3J	10.9J
Selenium	10	50	1.4J	0.7J	0.4J	ND
Thallium	5	—	0.2J	ND	0.1J	0.2J
Vanadium	25	—	23.5J	0.8J	14.6J	23.6J
Zinc	10	2100	49	5.5J	41	26
Acetone	100	700	2.30J	1.90J	2.10J	2.20J
1,1-Dichloroethane	5	70	ND	0.80J	ND	ND
2-Butanone	100	—	ND	ND	ND	23.30J
Ethylbenzene	1	550	ND	4	ND	ND
Toluene	1	1000	ND	0.20J	0.30J	0.20J
Trichlorofluoromethane	1	2100	ND	0.50J	ND	ND
Xylenes	5	530	ND	1.80J	ND	ND

- SWSL - Solid Waste Quantitation Limit
- ND - Not detected at or above SWSL
- Shading - Levels above 2L standard or no 2L standard
- Bold Letters - Constituent detected above SWSL
- J - Detected constituents below SWSL limit

All SWSLs, 2L Standards and Results are in ug/l.

Appendix A

Laboratory Analytical Report

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

REC'D MAY 21 2008

ID#: 6057

AVERY COUNTY C&D LANDFILL
MS. JOAN SMYTH
RICHARDSON SMITH GARDNER
14 N. BOYLAN AVENUE
RALEIGH ,NC 27603

DATE COLLECTED: 04/17/08
DATE REPORTED : 05/19/08

REVIEWED BY: 

PARAMETERS	MDL	SWSL	CDMW-1	CDMW-2	CDMW-3	CDMW-4	Analysis		Method
							Date	Analyst	
Total Alkalinity, mg/l	1.0	1.0	--- U	23	14	8	04/18/08	TRB	SM2320B
Chloride, mg/l	5.0	5.0	11	12	11	43	04/25/08	MDM	SM4500-CLB
Total Dissolved Residue, mg/l	1.0	1.0	52	104	61	24	04/18/08	TRB	SM2540C
Sulfate, mg/l	5.0	250.0	--- U	24.6 J	7.4 J	--- U	04/21/08	TRB	SM4500-SO4E
Antimony, ug/l	0.08	6.0	0.1 J	--- U	--- U	--- U	04/22/08	LFJ	EPA200.8
Arsenic, ug/l	0.07	10.0	0.9 J	0.2 J	0.7 J	0.4 J	04/22/08	LFJ	EPA200.8
Barium, ug/l	0.34	100.0	351	107	46.4 J	62 J	04/22/08	LFJ	EPA200.8
Beryllium, ug/l	0.17	1.0	1.4	0.2 J	0.7 J	1.0	04/22/08	LFJ	EPA200.8
Cadmium, ug/l	0.04	1.0	0.3 J	0.1 J	0.2 J	0.1 J	04/22/08	LFJ	EPA200.8
Cobalt, ug/l	2.53	10.0	4.0 J	0.3 J	2.8 J	12	04/22/08	LFJ	EPA200.8
Copper, ug/l	2.24	10.0	11	0.7 J	5.4 J	13	04/22/08	LFJ	EPA200.8
Total Chromium, ug/l	1.38	10.0	11	--- U	9.7 J	1.6 J	04/22/08	LFJ	EPA200.8
Iron, ug/l	14.0	300.0	28120	362	13260	14850	04/24/08	ADD	SM3111B
Manganese, ug/l	0.50	50.0	520	93	214	739	04/24/08	LFJ	EPA200.7
Lead, ug/l	0.04	10.0	4.2 J	0.1 J	4.1 J	6.5 J	04/22/08	LFJ	EPA200.8
Mercury, ug/l	0.13	0.20	0.09 J	0.04 J		0.02 J	04/22/08	LFJ	EPA200.8
Mercury, ug/l	0.13	0.20			1.2		05/02/08	ADD	EPA245.1
Nickel, ug/l	1.35	50.0	7.2 J	1.3 J	5.3 J	10.9 J	04/22/08	LFJ	EPA200.8
Selenium, ug/l	0.14	10.0	1.4 J	0.7 J	0.4 J	--- U	04/22/08	LFJ	EPA200.8
Silver, ug/l	2.32	10.0	0.2 J	0.1 J	0.1 J	--- U	04/22/08	LFJ	EPA200.8
Thallium, ug/l	0.04	5.0	0.2 J	--- U	0.1 J	0.2 J	04/22/08	LFJ	EPA200.8
Vanadium, ug/l	1.21	25.0	23.5 J	0.8 J	14.6 J	23.6 J	04/22/08	LFJ	EPA200.8
Zinc, ug/l	1.86	10.0	49	5.5 J	41	26	04/22/08	LFJ	EPA200.8

J = Between MDL and SWSL, U = Below ALL Quantitation Limits.

Laboratory Analyses — Environmental Consultants

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: AVERY COUNTY C&D LANDFILL
MS. JOAN SMYTH
RICHARDSON SMITH GARDNER
14 N. BOYLAN AVENUE
RALEIGH, NC 27603

CLIENT ID: 6057
ANALYST: MAO
DATE COLLECTED: 04/17/08
DATE ANALYZED: 04/24/08
DATE REPORTED: 05/19/08

Page: 1

REVIEWED BY: 

VOLATILE ORGANICS EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	CDMW-1	CDMW-2	CDMW-3	CDMW-4										
1. Chloromethane	0.18	1.0	---	U	---	U										
2. Vinyl Chloride	0.34	1.0	---	U	---	U										
3. Bromomethane	0.26	10.0	---	U	---	U										
4. Chloroethane	0.29	10.0	---	U	---	U										
5. Trichlorofluoromethane	0.13	1.0	---	U	0.50 J	---	U									
6. 1,1-Dichloroethene	0.14	5.0	---	U	---	U	---	U								
7. Acetone	1.21	100.0	2.30 J	1.90 J	2.10 J	2.20 J	---	U								
8. Iodomethane	0.12	10.0	---	U	---	U	---	U								
9. Carbon Disulfide	0.14	100.0	---	U	---	U	---	U								
10. Methylene Chloride	0.14	1.0	---	U	---	U	---	U								
11. trans-1,2-Dichloroethene	0.13	5.0	---	U	---	U	---	U								
12. 1,1-Dichloroethane	0.16	5.0	---	U	0.80 J	---	U	---	U							
13. Vinyl Acetate	0.20	50.0	---	U	---	U	---	U	---	U						
14. Cis-1,2-Dichloroethene	0.14	5.0	---	U	0.80 J	---	U	---	U	---	U					
15. 2-Butanone	0.85	100.0	---	U	---	U	23.30 J	---	U	---	U					
16. Bromochloromethane	0.11	3.0	---	U	---	U	---	U	---	U	---	U				
17. Chloroform	0.13	5.0	---	U	---	U	---	U	---	U	---	U				
18. 1,1,1-Trichloroethane	0.11	1.0	---	U	---	U	---	U	---	U	---	U				
19. Carbon Tetrachloride	0.13	1.0	---	U	---	U	---	U	---	U	---	U				
20. Benzene	0.16	1.0	---	U	---	U	---	U	---	U	---	U				
21. 1,2-Dichloroethane	0.12	1.0	---	U	---	U	---	U	---	U	---	U				
22. Trichloroethene	0.13	1.0	---	U	---	U	---	U	---	U	---	U				
23. 1,2-Dichloropropane	0.17	1.0	---	U	---	U	---	U	---	U	---	U				
24. Bromodichloromethane	0.13	1.0	---	U	---	U	---	U	---	U	---	U				
25. Cis-1,3-Dichloropropene	0.17	1.0	---	U	---	U	---	U	---	U	---	U				
26. 4-Methyl-2-Pentanone	0.68	100.0	---	U	---	U	---	U	---	U	---	U				
27. Toluene	0.13	1.0	---	U	0.20 J	0.30 J	0.20 J	---	U	---	U	---	U			
28. trans-1,3-Dichloropropene	0.14	1.0	---	U	---	U	---	U	---	U	---	U	---	U		
29. 1,1,2-Trichloroethane	0.20	1.0	---	U	---	U	---	U	---	U	---	U	---	U		
30. Tetrachloroethene	0.16	1.0	---	U	---	U	---	U	---	U	---	U	---	U		
31. 2-Hexanone	1.00	50.0	---	U	---	U	---	U	---	U	---	U	---	U		
32. Dibromochloromethane	0.14	3.0	---	U	---	U	---	U	---	U	---	U	---	U		
33. 1,2-Dibromoethane	0.13	1.0	---	U	---	U	---	U	---	U	---	U	---	U		
34. Chlorobenzene	0.13	3.0	---	U	---	U	---	U	---	U	---	U	---	U		
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	---	U	---	U	---	U	---	U	---	U	---	U		
36. Ethylbenzene	0.16	1.0	---	U	4.00	---	U	---	U	---	U	---	U	---	U	
37. Xylenes	0.48	5.0	---	U	1.80 J	---	U	---	U	---	U	---	U	---	U	
38. Dibromomethane	0.17	10.0	---	U	---	U	---	U	---	U	---	U	---	U	---	U
39. Styrene	0.16	1.0	---	U	---	U	---	U	---	U	---	U	---	U	---	U
40. Bromoform	0.11	3.0	---	U	---	U	---	U	---	U	---	U	---	U	---	U
41. 1,1,1,2,2-Tetrachloroethane	0.16	3.0	---	U	---	U	---	U	---	U	---	U	---	U	---	U
42. 1,2,3-Trichloropropane	0.06	1.0	---	U	---	U	---	U	---	U	---	U	---	U	---	U
43. 1,4-Dichlorobenzene	0.21	1.0	---	U	---	U	---	U	---	U	---	U	---	U	---	U
44. 1,2-Dichlorobenzene	0.13	5.0	---	U	---	U	---	U	---	U	---	U	---	U	---	U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	---	U	---	U	---	U	---	U	---	U	---	U	---	U
46. Acrylonitrile	1.49	200.0	---	U	---	U	---	U	---	U	---	U	---	U	---	U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	---	U	---	U	---	U	---	U	---	U	---	U	---	U

J = Between MDL and SWSL, U = Below ALL Quantitation Limits.

Laboratory Analyses — Environmental Consultants

CHAIN OF CUSTODY RECORD

Environment 1, Inc.
 P.O. Box 7085, 114 Oakmont Dr.
 Greenville, NC 27858

Phone (252) 756-6208 • Fax (252) 756-0633

CLIENT: 6057 Week: 17

AVERY COUNTY C&D LANDFILL
 MS. JOAN SMYTH
 RICHARDSON SMITH GARDNER
 14 N. BOYLAN AVENUE
 RALEIGH NC 27603

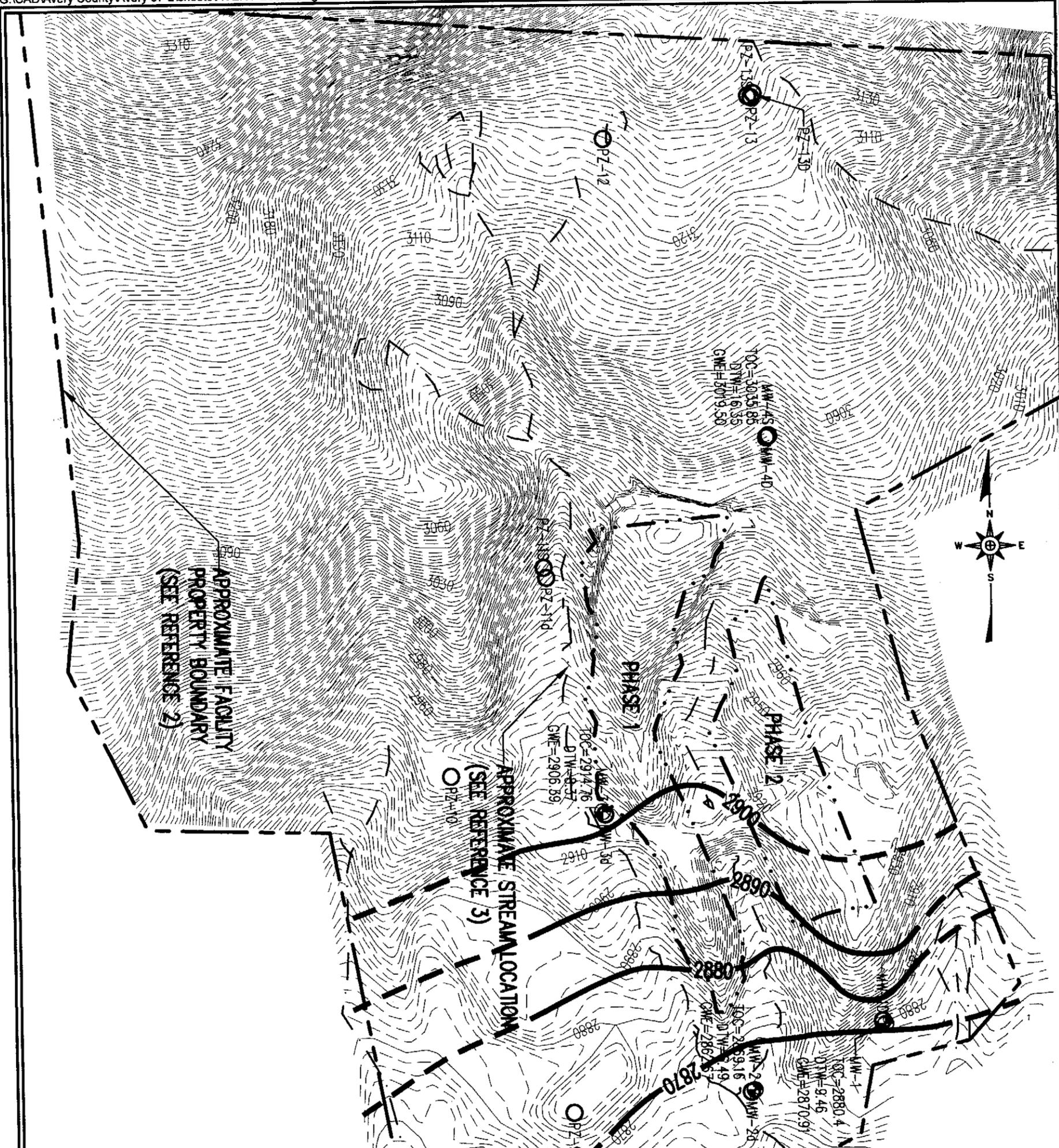
(919) 828-0577

SAMPLE LOCATION	COLLECTION		TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	DISINFECTION				Alkalinity	Chloride	TDS	Sulfate	Metals	EPA 8260B	8260 Dup. 1	8260 Dup. 2	PARAMETERS	CHEMICAL PRESERVATION	CONTAINER TYPE, P/G	pH CHECK (LAB)	CHLORINE NEUTRALIZED AT COLLECTION		
	DATE	TIME				CHLORINE	UV	NONE																
CDMW-1	4/17/08	1:40p			8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>															
CDMW-2		↓			7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>															
CDMW-3		↓			7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>															
CDMW-4		↓			7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>															
CLASSIFICATION: <input type="checkbox"/> WASTEWATER (NPDES) <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> DWQ/GW <input checked="" type="checkbox"/> SOLID WASTE SECTION																								
CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY (Y) (N)																								
SAMPLES COLLECTED BY: (Please Print) CLARE WIFFELD																								
SAMPLES RECEIVED IN LAB AT 0.8 °C																								
															RECEIVED BY (SIG.)	DATE/TIME	COMMENTS:							
															<i>[Signature]</i>	4/17/08	10:00							
															RECEIVED BY (SIG.)	DATE/TIME								
															RECEIVED BY (SIG.)	DATE/TIME								

Instructions for completing this form are on the reverse side.

Sampler must place a "C" for composite sample or a "G" for Grab sample in the blocks above for each parameter requested.

No 164168



LEGEND

- EXISTING 10' CONTOUR (SEE REFERENCE 1)
- - - EXISTING 2' CONTOUR
- - - - - PROPERTY LINE (SEE REFERENCE 2)
- - - - - PERMITTED PHASE LIMITS
- - - - - APPROX. STREAM LOCATION (SEE REFERENCE 3)
- - - - - POTENTIOMETRIC SURFACE (DASHED WHERE INFERRED)
- ⊕ MONITORING WELL
- PIEZOMETER
- TOC= TOP OF CASING ELEVATION (SEE REFERENCE 2)
- DTW= DEPTH TO WATER
- GWE= GROUND WATER ELEVATION

NOTES

1. DEPTH TO WATER MEASUREMENTS OBTAINED BY RSG PERSONNEL ON APRIL 17, 2008.

REFERENCES

1. OVERALL SITE TOPOGRAPHY FROM NORTH CAROLINA DEPARTMENT OF TRANSPORTATION, DATA GENERATED FROM LIDAR DATED MARCH 2005, TOPO IN AREAS IN AND SURROUNDING PHASES 1 AND 2 FROM FIELD SURVEY DATED 9/07, BY SURVEYING SOLUTIONS, P.C.
2. SITE PROPERTY LINE AND MONITORING WELLS FROM FIELD SURVEYS DATED 9/07 AND 1/14/08, BY SURVEYING SOLUTIONS, P.C.
3. STREAM LOCATIONS OBTAINED FROM GPS FIELD SURVEY DATED 4/07, BY CAROLINA ECOSYSTEMS, INC.



TITLE: AVERY COUNTY SOLID WASTE DEPARTMENT AVERY COUNTY C&D LANDFILL POTENTIOMETRIC MAP SPRING '08	DRAWN BY: J.A.L.	CHECKED BY:	SCALE: AS SHOWN	FIGURE NO. 1	RICHARDSON SMITH GARDNER & ASSOCIATES <small>14 N. Bayton Ave. Raleigh, N.C. 27601 Tel: 919-828-0677 Fax: 919-828-3888 www.rsgandassociates.com</small>
	DATE: Jun. 2008	PROJECT NO. AVERY 07-2	FILE NAME AVERY-B0037		