Clayton, Sr., P.E., Inc.
CIVIL & ENVIRONMENTAL ENGINEERING

LETTER OF TRANSMITTAL

TO: NCDENR, Division of Waste Management	DATE: August 19, 2008
Ethan Brown Solid Waste Section Mail Service Center 1646 Raleigh, NC 27699	PROJECT NO: 03 / TASK NO: 009
	Re: Harnett County – Anderson Creek C&D Landfill Groundwater Monitoring Report April - 2009
	TRANSMITTAL NO: 1 / PAGE 1 OF 1

WE ARE SENDING: ☒ Originals ☒ Prints ☐ Shop Drawings ☐ Samples ☐ Specifications ☐ Calculations ☐ Other:

Quantity	Drawing No.	Rev.	Description	Status
1			Anderson Creek C&D Landfill Groundwater Monitoring Report April – 2009 Permit # 43-03	C
1			Printed copy of .xls files	C
1			Digital Copy of Report & .xls files.	C
1			Environmental Monitoring Form (sealed)	C

Issue Status Code: A. Preliminary B. Fabrication Only C. For Information D. Bid E. Construction F. For Review & Comments G. For Approval H. See Remarks

REMARKS:

Please feel free to contact Tyrus Clayton @ 910-897-7070 with any questions or comments.

P. O. Box 578, COATS, NC 27521 PHONE:910 897-7070 FAX: 910 897-6767

Signed _____
Ryan Sadler

\\Server\projects\03 Harnett County\03009 Statistical Analysis - Annual Sampling\Ground Water Contaminant Reports\Anderson Creek\April 09\LOT April 2009 Ethan Brown.doc

DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #:

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: Tyrus Clayton, Jr., PE Phone: 910-897-7070

E-mail: tyrus@ctclayton.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Harnett County - Anderson Creek Construction and Demolition (C&D) Landfill	Barbecue Township, Lillington, Harnett County, North Carolina	43-04	.0500	April 20, 2009

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
☐ Groundwater monitoring data from private water supply wells
☐ Leachate monitoring data
☒ Surface water monitoring data
☐ Methane gas monitoring data
☐ Corrective action data (specify) _____
☐ 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.

C. Tyrus Clayton Jr PE — Facility Representative Name (Print)

Consulting Engineer — Title

910-897-7070 — (Area Code) Telephone Number

Signature

8/19/09 — Date

Affix NC License Professional Geologist/Engineer Seal here:

NORTH CAROLINA PROFESSIONAL SEAL 028909 ENGINEER C. TYRUS CLAYTON, JR.

Revised 01/2007

Clayton, Sr., P.E., Inc.
Civil & Environmental Engineering

August 19, 2009

Mr. Ethan Brown
Solid Waste Section
Division of Waste Management
North Carolina Department of Environment and Natural Resources
Mail Service Center 1646
Raleigh, NC 27699-1646

RE: ANDERSON CREEK LANDFILL - HARNETT COUNTY, SWS PERMIT 43-03
GROUNDWATER MONITORING AT THE C & D SITE, APRIL 2009

Dear Mr. Brown:

Please find the attached summary table (Table 1) of results from the April 2009 sampling and analysis at Anderson Creek C & D Landfill, Harnett County. Copies of the site plan, analytical results, and chain of custody forms are also enclosed.

To comply with the requirements of the Solid Waste Section Memorandums dated October 27, 2006, February 23, 2007, and October 16, 2007, the new Solid Waste Section Limits (SWSL) and Method Detection Limits (MDLs) have been incorporated. Only values exceeding the SWSL are presented as detections, except when an estimated value (MDL < result < SWSL) exceeds a 2L North Carolina Groundwater Standards (NCGS) or a 13B Groundwater Protection Standard. The table is intended to fulfill the requirements of the notification table per the new Environmental Monitoring Reporting Form, which is also attached.

During the April 2009 sampling event, barium was detected in MW-2, MW-5, and CDMW-5. For organics, toluene was detected at SWPT-2, and benzene exceeded NCGS in MW-5.

Should you have any questions or comments, please contact us at telephone (910) 897-7070 or by e-mail at ***tyrus@ctclayton.com.***

Sincerely,

C. Tyrus Clayton, Jr., PE

cc. Jerry Blanchard - Harnett County
C.T. Clayton, Sr., PE
C.J. Poran, PE – ENSOL

/attachments

P.O. Box 578
46 W. Washington St.
Coats, NC 27521
Phone: 910-897-7070
Fax: 910-897-6767

Offices located in Coats and New Bern, North Carolina
www.ctclayton.com

Table 1
Groundwater Monitoring Well Data
Results for April 2009
Anderson Creek
Harnett County, North Carolina

CONSTITUENT	RESULTS - APR-09 SAMPLING EVENT											NCGS*
SAMPLE SITE	MW1	MW2	MW4	MW5	CDMW1	CDMW2	CDMW3	CDMW5	CDMW6	SWPT1	SWPT2	
INORGANICS (mg/l)												(mg/l)
Arsenic					NA							0.05
Barium		0.337		0.186	NA			0.268				2
Cadmium					NA							0.00175
Chromium					NA							0.05
Lead					NA							0.015
Mercury					NA							0.00105
Selenium					NA							0.05
Silver					NA							0.0175
ORGANICS (ug/l)					NA							(ug/l)
Acetone					NA							700
Benzene				1.4	NA							1
Chloroethane					NA							2800
cis-1,2-Dichloroethene					NA							70
Dichlorodifluoromethane					NA							1400
Methylene chloride					NA							4.6
1,1-Dichloroethane					NA							70
Toluene					NA						1.6	1000
Vinyl Chloride					NA							0.015

NOTES

- indicates concentrations exceeding NCGS*

"NE" - not established

"NA" - not applicable

Only values greater than the Solid Waste Section Limit are shown as detections, with the following exception:
Estimated values (greater than the Method Detection Limit but less than the Solid Waste Section Limit)
are shown only if they exceed NCGS and are in *italics*.
*NCGS is the 2L NC Groundwater Standard, unless noted above as a 13B Groundwater Protection Standard **.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

ID#: 6041

HARNETT CO. (ANDERSON CREEK)
GENERAL SERVICES HARNETT CO.
MR. JERRY BLANCHARD, MANAGER
900 SOUTH 9TH STREET
LILLINGTON ,NC 27546

DATE COLLECTED: 04/20/09
DATE REPORTED : 05/11/09

REVIEWED BY:

PARAMETERS	MDL	SWSL	MW-1	MW-2	MW-4	MW-5	CDMW-2	Analysis Date	Analyst	Method Code
PH (field measurement), Units			5.4	5.3	6.0	6.0	5.5	04/20/09	RJH	SM4500HB
Arsenic, ug/l	0.17	10.0	4.8 J	0.8 J	6.9 J	4.2 J	1.6 J	04/28/09	CMF	EPA200.8
Barium, ug/l	0.04	100.0	16.9 J	337	27.3 J	186	88.8 J	04/28/09	CMF	EPA200.8
Cadmium, ug/l	0.04	1.0	0.1 J	0.5 J	0.9 J	--- U	0.2 J	04/28/09	CMF	EPA200.8
Total Chromium, ug/l	0.10	10.0	--- U	2.4 J	0.2 J	0.7 J	1.9 J	04/28/09	CMF	EPA200.8
Lead, ug/l	0.04	10.0	0.2 J	5.2 J	0.5 J	0.5 J	5.0 J	04/28/09	CMF	EPA200.8
Mercury, ug/l	0.03	0.20	--- U	--- U	--- U	--- U	0.04 J	04/28/09	CMF	EPA200.8
Selenium, ug/l	0.12	10.0	0.4 J	1.3 J	0.6 J	8.0 J	0.6 J	04/28/09	CMF	EPA200.8
Silver, ug/l	0.04	10.0	--- U	0.1 J	--- U	0.1 J	0.1 J	04/28/09	CMF	EPA200.8
Turbidity, NTU	1.0	1.0	65	450	100	250	160	04/20/09	MJN	SM2130B
Conductivity (at 25c), uMhos	1.0	1.0	104	255	153	1530	77	04/20/09	RJH	SM2510B
Temperature, °C			17	16	16	16	17	04/20/09	RJH	SM2550B
Static Water Level, feet			12.95	11.42	5.38	8.77	8.32	04/20/09	RJH	
Well Depth, feet			21.20	26.00	20.25	22.20	41.28	04/20/09	RJH	
Water Bailed, Gals.			3.9	6.9	6.9	6.3	15.9	04/20/09	RJH	

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

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HARNETT CO. (ANDERSON CREEK)
GENERAL SERVICES HARNETT CO.
MR. JERRY BLANCHARD, MANAGER
900 SOUTH 9TH STREET
LILLINGTON ,NC 27546

DATE COLLECTED: 04/20/09
DATE REPORTED : 05/11/09

REVIEWED BY:

PARAMETERS	MDL	SWSL	CDMW-3	CDMW-5	CDMW-6	Trip Blank	Equipment Blank	Analysis Date	Analyst	Method Code
PH (field measurement), Units			4.9	4.5	4.8			04/20/09	RJH	SM4500HB
Arsenic, ug/l	0.17	10.0	0.5 J	0.8 J	6.4 J		0.3 J	04/28/09	CMF	EPA200.8
Barium, ug/l	0.04	100.0	77.3 J	268	14.3 J		0.1 J	04/28/09	CMF	EPA200.8
Cadmium, ug/l	0.04	1.0	0.1 J	0.3 J	0.2 J		--- U	04/28/09	CMF	EPA200.8
Total Chromium, ug/l	0.10	10.0	0.5 J	2.0 J	8.2 J		--- U	04/28/09	CMF	EPA200.8
Lead, ug/l	0.04	10.0	1.1 J	4.6 J	5.9 J		--- U	04/28/09	CMF	EPA200.8
Mercury, ug/l	0.03	0.20	0.08 J	0.06 J	0.05 J		--- U	04/28/09	CMF	EPA200.8
Selenium, ug/l	0.12	10.0	0.2 J	0.4 J	1.3 J		--- U	04/28/09	CMF	EPA200.8
Silver, ug/l	0.04	10.0	--- U	--- U	0.1 J		--- U	04/28/09	CMF	EPA200.8
Turbidity, NTU	1.0	1.0	45	180	310			04/20/09	MJN	SM2130B
Conductivity (at 25c), uMhos	1.0	1.0	111	162	32			04/20/09	RJH	SM2510B
Temperature, °C			18	18	18			04/20/09	RJH	SM2550B
Static Water Level, feet			14.60	11.97	34.25			04/20/09	RJH	
Well Depth, feet			44.74	30.15	42.32			04/20/09	RJH	
Water Bailed, Gals.			14.7	8.7	3.9			04/20/09	RJH	

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REVIEWED BY:

CLIENT ID: 6041

ANALYST: MAO
DATE COLLECTED: 04/20/09
DATE ANALYZED: 04/29/09
DATE REPORTED: 05/11/09

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	MW-1	MW-2	MW-4	MW-5	CDMW-2
1. Chloromethane	0.18	1.0	--- U	--- U	--- U	--- U	--- U
2. Vinyl Chloride	0.34	1.0	--- U	--- U	--- U	--- U	--- U
3. Bromomethane	0.26	10.0	--- U	--- U	--- U	--- U	--- U
4. Chloroethane	0.29	10.0	--- U	--- U	--- U	1.20 J	--- U
5. Trichlorofluoromethane	0.13	1.0	--- U	--- U	--- U	--- U	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U	--- U	--- U	--- U	--- U
7. Acetone	1.21	100.0	3.60 J	--- U	--- U	4.10 J	--- U
8. Iodomethane	0.12	10.0	--- U	--- U	--- U	--- U	--- U
9. Carbon Disulfide	0.14	100.0	--- U	--- U	--- U	0.60 J	0.20 J
10. Methylene Chloride	0.14	1.0	--- U	--- U	--- U	0.20 J	--- U
11. trans-1,2-Dichloroethene	0.13	5.0	--- U	--- U	--- U	--- U	--- U
12. 1,1-Dichloroethane	0.16	5.0	--- U	--- U	--- U	2.10 J	--- U
13. Vinyl Acetate	0.20	50.0	--- U	--- U	--- U	--- U	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	--- U	--- U	--- U	0.50 J	--- U
15. 2-Butanone	0.85	100.0	--- U	1.00 J	0.90 J	1.40 J	--- 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	1.40	--- 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	0.90 J	--- U	--- U	--- U	--- U
27. Toluene	0.13	1.0	--- U	--- U	--- U	--- U	--- U
28. trans-1,3-Dichloropropene	0.14	1.0	--- U	--- U	--- U	--- U	--- U
29. 1,1,2-Trichloroethane	0.20	1.0	--- U	--- U	--- U	--- U	--- U
30. Tetrachloroethene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
31. 2-Hexanone	1.00	50.0	--- U	--- U	--- U	--- U	--- U
32. Dibromochloromethane	0.14	3.0	--- U	--- U	--- U	--- U	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U	--- U	--- U	--- U	--- U
34. Chlorobenzene	0.13	3.0	--- U	--- U	--- U	1.00 J	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U	--- U	--- U	--- U	--- U
36. Ethylbenzene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
37. Xylenes	0.48	5.0	--- U	--- U	--- U	--- U	--- U
38. Dibromomethane	0.17	10.0	--- U	--- U	--- U	--- U	--- U
39. Styrene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
40. Bromoform	0.11	3.0	--- U	--- U	--- U	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.0	--- U	--- U	--- U	--- U	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U	--- U	--- U	--- U	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	--- U	--- U	--- U	0.30 J	--- U
44. 1,2-Dichlorobenzene	0.13	5.0	--- U	--- U	--- U	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	--- U	--- U	--- U	--- U	--- U
46. Acrylonitrile	1.49	200.0	--- U	--- U	--- U	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- U	--- U	--- U	--- U	--- U

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

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CLIENT ID: 6041

ANALYST: MAO
DATE COLLECTED: 04/20/09
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REVIEWED BY: _____

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	CDMW-3	CDMW-5	CDMW-6	Trip Blank	Equipment Blank
1. Chloromethane	0.18	1.0	--- U	--- U	--- U	--- U	--- U
2. Vinyl Chloride	0.34	1.0	--- U	--- U	--- U	--- U	--- U
3. Bromomethane	0.26	10.0	--- U	--- U	--- U	--- U	--- U
4. Chloroethane	0.29	10.0	--- U	--- U	--- U	--- U	--- U
5. Trichlorofluoromethane	0.13	1.0	--- U	--- U	--- U	--- U	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U	--- U	--- U	--- U	--- U
7. Acetone	1.21	100.0	--- U	--- U	--- U	--- U	--- U
8. Iodomethane	0.12	10.0	--- U	--- U	--- U	--- U	--- U
9. Carbon Disulfide	0.14	100.0	--- U	--- U	--- U	--- U	--- U
10. Methylene Chloride	0.14	1.0	--- U	--- U	--- U	--- U	--- U
11. trans-1,2-Dichloroethene	0.13	5.0	--- U	--- U	--- U	--- U	--- U
12. 1,1-Dichloroethane	0.16	5.0	--- U	--- U	--- U	--- U	--- U
13. Vinyl Acetate	0.20	50.0	--- U	--- U	--- U	--- U	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	--- U	--- U	--- U	--- U	--- U
15. 2-Butanone	0.85	100.0	1.00 J	--- U	--- U	--- 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	--- U	--- U	--- U	--- U
28. trans-1,3-Dichloropropene	0.14	1.0	--- U	--- U	--- U	--- U	--- U
29. 1,1,2-Trichloroethane	0.20	1.0	--- U	--- U	--- U	--- U	--- U
30. Tetrachloroethene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
31. 2-Hexanone	1.00	50.0	--- U	--- U	--- U	--- U	--- U
32. Dibromochloromethane	0.14	3.0	--- U	--- U	--- U	--- U	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U	--- U	--- U	--- U	--- U
34. Chlorobenzene	0.13	3.0	--- U	--- U	--- U	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U	--- U	--- U	--- U	--- U
36. Ethylbenzene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
37. Xylenes	0.48	5.0	--- U	--- U	--- U	--- U	--- U
38. Dibromomethane	0.17	10.0	--- U	--- U	--- U	--- U	--- U
39. Styrene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
40. Bromoform	0.11	3.0	--- U	--- U	--- U	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.0	--- U	--- U	--- U	--- U	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U	--- U	--- U	--- U	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	--- U	--- U	--- U	--- U	--- U
44. 1,2-Dichlorobenzene	0.13	5.0	--- U	--- U	--- U	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	--- U	--- U	--- U	--- U	--- U
46. Acrylonitrile	1.49	200.0	--- U	--- U	--- U	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- U	--- U	--- U	--- U	--- U

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

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

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

CHAIN OF CUSTODY RECORD

CLIENT: 6041 Week: 18

HARNETT CO. (ANDERSON CREEK)
GENERAL SERVICES HARNETT CO.
MR. JERRY BLANCHARD, MANAGER
900 SOUTH 9TH STREET
LILLINGTON NC 27546

(919) 233-0407

DISINFECTION: ☐ CHLORINE ☐ UV ☐ NONE ☐ _____

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Field pH	Metals	Turbidity	Conductivity	Temperature	Field Parameter	EPA 8260B	8260 Dup. 1	8260 Dup. 2
CHLORINE NEUTRALIZED AT COLLECTION														
pH CHECK (LAB)							<2					<2	<2	<2
CONTAINER TYPE, P/G						P	P	P	P	P		G	G	G
CHEMICAL PRESERVATION						A	A	A	A	A		E	E	E
MW-1	04/20/09	1150		17	6	■	■	■	■	■	■	■	■	■
MW-2	04/20/09	1025		16	5	■	■	■	■	■	■	■	■	
MW-4	04/20/09	1045		16	5	■	■	■	■	■	■	■	■	
MW-5	04/20/09	1035		16	5	■	■	■	■	■	■	■	■	
CDMW-2	04/20/09	1050		17	5	■	■	■	■	■	■	■	■	
CDMW-3	04/20/09	1100		18	5	■	■	■	■	■	■	■	■	
CDMW-5	04/20/09	1105		18	5	■	■	■	■	■	■	■	■	
CDMW-6	04/20/09	1135		18	5	■	■	■	■	■	■	■	■	
Trip Blank					2							■	■	
Equipment Blank	04/20/09				3		■					■	■	

PARAMETERS

A - NONE
B - HNO_3
C - H_2SO_4
D - NAOH
E - HCL
F - ZINC ACETATE
G - NA THIOSULFATE

CLASSIFICATION:
☐ WASTEWATER (NPDES)
☐ DRINKING WATER
☐ DWQ/GW
☒ SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY: (Y) N

SAMPLES COLLECTED BY: (Please Print) Hlope / Fof

SAMPLES RECEIVED IN LAB AT -2 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob Hlope	04/20/09 2:59	B Jefferson	4/20/09 2:59
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:

PLEASE READ Instructions for completing this form 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.

№ 179605

FORM #5

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

ID#: 6041 A

HARNETT CO. (ANDERSON CREEK)
GENERAL SERVICES HARNETT CO.
MR. JERRY BLANCHARD, MANAGER
900 SOUTH 9TH STREET
LILLINGTON ,NC 27546

DATE COLLECTED: 04/20/09
DATE REPORTED : 05/11/09

REVIEWED BY:

PARAMETERS	MDL	SWSL	SW-1	SW-2	Analysis Date	Analyst	Method Code
PH (field measurement), Units			5.3	5.3	04/20/09	RJH	SM4500HB
Arsenic, ug/l	0.17	10.0	0.4 J	0.6 J	04/28/09	CMF	EPA200.8
Barium, ug/l	0.04	100.0	16.6 J	51.3 J	04/28/09	CMF	EPA200.8
Cadmium, ug/l	0.04	1.0	0.1 J	0.1 J	04/28/09	CMF	EPA200.8
Total Chromium, ug/l	0.10	10.0	0.8 J	1.9 J	04/28/09	CMF	EPA200.8
Lead, ug/l	0.04	10.0	1.0 J	5.5 J	04/28/09	CMF	EPA200.8
Mercury, ug/l	0.03	0.20	--- U	--- U	04/28/09	CMF	EPA200.8
Selenium, ug/l	0.12	10.0	--- U	0.3 J	04/28/09	CMF	EPA200.8
Silver, ug/l	0.04	10.0	0.1 J	--- U	04/28/09	CMF	EPA200.8
Turbidity, NTU	1.0	1.0	55	90	04/20/09	MJN	SM2130B
Conductivity (at 25c), uMhos	1.0	1.0	26	89	04/20/09	RJH	SM2510B
Temperature, °C			19	17	04/20/09	RJH	SM2550B

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

Environment 1, Incorporated

Drinking Water ID: 37716
Wastewater ID: 10

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

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

CLIENT: HARNETT CO. (ANDERSON CREEK)
GENERAL SERVICES HARNETT CO.
MR. JERRY BLANCHARD, MANAGER
900 SOUTH 9TH STREET
LILLINGTON, NC 27546

CLIENT ID: 6041 A

ANALYST: MAO
DATE COLLECTED: 04/20/09
DATE ANALYZED: 04/29/09
DATE REPORTED: 05/11/09

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	SW-1	SW-2
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	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U	--- U
7. Acetone	1.21	100.0	1.30 J	2.30 J
8. Iodomethane	0.12	10.0	--- U	--- U
9. Carbon Disulfide	0.14	100.0	--- U	--- U
10. Methylene Chloride	0.14	1.0	--- U	--- U
11. trans-1,2-Dichloroethene	0.13	5.0	--- U	--- U
12. 1,1-Dichloroethane	0.16	5.0	--- U	--- U
13. Vinyl Acetate	0.20	50.0	--- U	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	--- U	--- U
15. 2-Butanone	0.85	100.0	--- U	--- U
16. Bromochloromethane	0.11	3.0	--- U	--- U
17. Chloroform	0.13	5.0	--- U	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U	--- U
20. Benzene	0.16	1.0	--- U	--- U
21. 1,2-Dichloroethane	0.12	1.0	--- U	--- U
22. Trichloroethene	0.13	1.0	--- U	--- U
23. 1,2-Dichloropropane	0.17	1.0	--- U	--- U
24. Bromodichloromethane	0.13	1.0	--- U	--- U
25. Cis-1,3-Dichloropropene	0.17	1.0	--- U	--- U
26. 4-Methyl-2-Pentanone	0.68	100.0	--- U	--- U
27. Toluene	0.13	1.0	--- U	1.60
28. trans-1,3-Dichloropropene	0.14	1.0	--- U	--- U
29. 1,1,2-Trichloroethane	0.20	1.0	--- U	--- U
30. Tetrachloroethene	0.16	1.0	--- U	--- U
31. 2-Hexanone	1.00	50.0	--- U	--- U
32. Dibromochloromethane	0.14	3.0	--- U	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U	--- U
34. Chlorobenzene	0.13	3.0	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U	--- U
36. Ethylbenzene	0.16	1.0	--- U	--- U
37. Xylenes	0.48	5.0	--- U	--- U
38. Dibromomethane	0.17	10.0	--- U	--- U
39. Styrene	0.16	1.0	--- U	--- U
40. Bromoform	0.11	3.0	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.0	--- U	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	--- U	--- U
44. 1,2-Dichlorobenzene	0.13	5.0	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	--- U	--- U
46. Acrylonitrile	1.49	200.0	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- U	--- U

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

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

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

CHAIN OF CUSTODY RECORD

CLIENT: 6041 A Week: 18

HARNETT CO. (ANDERSON CREEK)
GENERAL SERVICES HARNETT CO.
MR. JERRY BLANCHARD, MANAGER
900 SOUTH 9TH STREET
LILLINGTON NC 27546

(919) 233-0407

DISINFECTION: ☐ CHLORINE ☐ UV ☐ NONE ☐ _____

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Field pH	Metals	Turbidity	Conductivity	Temperature	EPA 8260B	8260 Dup. 1
							22				22	22
						P	P	P	P	P	G	G
						A	A	A	A	A	E	E
SW-1	04/20/09	1120		19	5	■	■	■	■	■	■	■
SW-2	04/20/09	1020		17	5	■	■	■	■	■	■	■

PARAMETERS

CHLORINE NEUTRALIZED AT COLLECTION

pH CHECK (LAB)

CONTAINER TYPE, P/G

CHEMICAL PRESERVATION

A - NONE
B - HNO_3
C - H_2SO_4
D - NAOH
E - HCL
F - ZINC ACETATE
G - NA THIOSULFATE

CLASSIFICATION:
☐ WASTEWATER (NPDES)
☐ DRINKING WATER
☐ DWQ/GW
☒ SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY
(Y) N

SAMPLES COLLECTED BY: (Please Print)
B Hogan / FOT

SAMPLES RECEIVED IN LAB AT 0.2 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob Hogan	04/20/09 2:59	B Jeffers	4/20/09 2:59
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:

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№ 179604

FORM #5