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).
- 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):

C. T. Clayton, Sr., PE, Inc. (Consultant)

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

Name: C. 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)
Anderson Creek C&D Landfill	1164 Poplar Dr., Spring Lake, NC 28390	43-03	.0500	April 10, 2012

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	Consultant	(910) 897-7070
Facility Representative Name (Print)	Title	(Area Code) Telephone Number

C Tyrus Clayton Jr

Digitally signed by C. Tyrus Clayton, Jr., PE
DN: cn=C. Tyrus Clayton, Jr., PE, o=C. T. Clayton, Sr., PE Inc., ou, email=tyrus@ctclayton.com, c=US
Date: 2013.01.04 13:47:00 -05'00'

01-04-2013

Signature Date

Affix NC Licensed/ Professional Geologist Seal

46 West Washington St, Coats NC 27521

Facility Representative Address

C-2570

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

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

January 10, 2013

Ms. Elizabeth Werner
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 2012

Dear Ms. Werner:

Please find the attached summary table (Table 1) of results from the April 2012 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 2012 sampling event, barium was detected in MW-2, MW-5, CDMW-3, and CDMW-5, at levels that were less than NCGS. Lead was detected in CDMW-3, at a level that was less than NCGS. For organics, benzene was detected at MW-5 at a level exceeding NCGS.

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. Amanda Bader - Harnett County
C.J. Poran, PE – ENSOL
File
/attachments

46 West Washington Street - Coats, North Carolina 27521
Phone: 910-897-7070 - Fax: 910-897-6767
Offices located in Coats and New Bern, North Carolina
License No. C-2570 - www.ctclayton.com

Table 1
Groundwater Monitoring Well Data
Results for April 2012
Anderson Creek
Harnett County, North Carolina

CONSTITUENT	RESULTS - APRIL 2012 SAMPLING EVENT											NCGS*
SAMPLE SITE	MW1	MW2	MW4	MW5	CDMW1	CDMW2	CDMW3	CDMW5	CDMW6	SWPT1	SWPT2	
INORGANICS (mg/l)												(mg/l)
Arsenic					NA						NA	0.01
Barium		0.335		0.27	NA		0.579	0.163			NA	0.7
Cadmium					NA						NA	0.002
Chromium					NA						NA	0.01
Lead					NA		0.011				NA	0.015
Mercury					NA						NA	0.001
Selenium					NA						NA	0.02
Silver					NA						NA	0.02
ORGANICS (ug/l)					NA						NA	(ug/l)
Acetone					NA						NA	700
Benzene				1.8	NA						NA	1
Chloroethane					NA						NA	3000
cis-1,2-Dichloroethene					NA						NA	70
Dichlorodifluoromethane					NA						NA	1000
Methylene chloride					NA						NA	5
1,1-Dichloroethane					NA						NA	6
Toluene					NA						NA	600
Vinyl Chloride					NA						NA	0.03
Tetrahydrofuran					NA						NA	NE

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 **.
SWPT2 was missing during the April 2010 sampling event.

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: 04/10/12
DATE REPORTED : 04/30/12

REVIEWED BY:

PARAMETERS	MDL	SWSL	MW-1	MW-2	MW-4	MW-5	CDMW-2	Analysis Date	Analyst	Method Code
PH (field measurement), Units			5.5	5.4	6.1	6.0	5.7	04/10/12	RJH	SM4500HB
Arsenic, ug/l	0.10	10.0	4.2 J	0.31 J				04/17/12	LFJ	EPA200.8
Arsenic, ug/l	0.10	10.0			4.6 J	3.8 J	0.40 J	04/16/12	CMF	EPA200.8
Barium, ug/l	0.02	100.0	13.2 J	335				04/17/12	LFJ	EPA200.8
Barium, ug/l	0.02	100.0			31.1 J	270	47.8 J	04/16/12	CMF	EPA200.8
Cadmium, ug/l	0.02	1.0	0.16 J	0.06 J				04/17/12	LFJ	EPA200.8
Cadmium, ug/l	0.02	1.0			0.14 J	0.04 J	0.07 J	04/16/12	CMF	EPA200.8
Total Chromium, ug/l	0.04	10.0	0.68 J	0.81 J				04/17/12	LFJ	EPA200.8
Total Chromium, ug/l	0.04	10.0			--- U	2.9 J	--- U	04/16/12	CMF	EPA200.8
Lead, ug/l	0.02	10.0	0.69 J	1.7 J				04/17/12	LFJ	EPA200.8
Lead, ug/l	0.02	10.0			0.30 J	4.6 J	1.0 J	04/16/12	CMF	EPA200.8
Mercury, ug/l	0.05	0.20	--- U	--- U				04/17/12	LFJ	EPA200.8
Mercury, ug/l	0.05	0.20			0.08 J	0.07 J	--- U	04/16/12	CMF	EPA200.8
Selenium, ug/l	0.20	10.0	--- U	0.58 J				04/17/12	LFJ	EPA200.8
Selenium, ug/l	0.20	10.0			0.49 J	5.6 J	--- U	04/16/12	CMF	EPA200.8
Silver, ug/l	0.02	10.0	--- U	--- U				04/17/12	LFJ	EPA200.8
Silver, ug/l	0.02	10.0			0.04 J	0.06 J	0.04 J	04/16/12	CMF	EPA200.8
Turbidity, NTU	1.0	1.0	400	95	70	550	18	04/11/12	HLB	SM2130B
Conductivity (at 25c), uMhos/cm	1.0	1.0	341	275	121	1665	74	04/10/12	RJH	SM2510B
Temperature, °C			17	17	17	16	16	04/10/12	RJH	SM2550B
Static Water Level, feet			14.03	11.44	6.89	9.07	8.25	04/10/12	RJH	
Well Depth, feet			21.20	26.00	20.25	22.20	41.28	04/10/12	RJH	
Water Bailed, Gals.			3.6	6.9	6.3	6.3	16.5	04/10/12	RJH	

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

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

DATE COLLECTED: 04/10/12
DATE REPORTED : 04/30/12

REVIEWED BY:

PARAMETERS	MDL	SWSL	CDMW-3	CDMW-5	CDMW-6	Equipment Blank	Trip Blank	Analysis Date	Analyst	Method Code
PH (field measurement), Units			5.8	4.9	4.9			04/10/12	RJH	SM4500HB
Arsenic, ug/l	0.10	10.0	1.1 J	0.30 J	2.7 J	--- U		04/16/12	CMF	EPA200.8
Barium, ug/l	0.02	100.0	579	163	11.5 J	0.62 J		04/16/12	CMF	EPA200.8
Cadmium, ug/l	0.02	1.0	0.15 J	0.07 J	0.08 J	--- U		04/16/12	CMF	EPA200.8
Total Chromium, ug/l	0.04	10.0	8.8 J	0.45 J	5.5 J	--- U		04/16/12	CMF	EPA200.8
Lead, ug/l	0.02	10.0	11	1.8 J	3.9 J	--- U		04/16/12	CMF	EPA200.8
Mercury, ug/l	0.05	0.20	0.09 J	--- U	--- U	--- U		04/16/12	CMF	EPA200.8
Selenium, ug/l	0.20	10.0	0.46 J	--- U	0.26 J	--- U		04/16/12	CMF	EPA200.8
Silver, ug/l	0.02	10.0	0.07 J	--- U	--- U	--- U		04/16/12	CMF	EPA200.8
Turbidity, NTU	1.0	1.0	750	55	370			04/11/12	HLB	SM2130B
Conductivity (at 25c), uMhos/cm	1.0	1.0	104	170	37			04/10/12	RJH	SM2510B
Temperature, °C			17	17	18			04/10/12	RJH	SM2550B
Static Water Level, feet			13.85	10.81	35.44			04/10/12	RJH	
Well Depth, feet			44.74	30.15	42.32			04/10/12	RJH	
Water Bailed, Gals.			14.7	9.2	3.0			04/10/12	RJH	

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

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CLIENT ID: 6041

ANALYST: MAO
DATE COLLECTED: 04/10/12
DATE ANALYZED: 04/16/12
DATE REPORTED: 04/30/12

REVIEWED BY: _____

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	MW-1	MW-2	MW-4	MW-5	CDMW-2
1. Chloromethane	0.77	1.0	--- U	--- U	--- U	--- U	--- U
2. Vinyl Chloride	0.63	1.0	--- U	--- U	--- U	--- U	--- U
3. Bromomethane	0.67	10.0	--- U	--- U	--- U	--- U	--- U
4. Chloroethane	0.48	10.0	--- U	--- U	--- U	0.90 J	--- U
5. Trichlorofluoromethane	0.24	1.0	--- U	--- U	--- U	--- U	--- U
6. 1,1-Dichloroethene	0.17	5.0	--- U	--- U	--- U	--- U	--- U
7. Acetone	9.06	100.0	--- U	--- U	--- U	--- U	--- U
8. Iodomethane	0.26	10.0	--- U	--- U	--- U	--- U	--- U
9. Carbon Disulfide	0.23	100.0	--- U	--- U	--- U	--- U	--- U
10. Methylene Chloride	0.64	1.0	--- U	--- U	--- U	--- U	--- U
11. trans-1,2-Dichloroethene	0.23	5.0	--- U	--- U	--- U	--- U	--- U
12. 1,1-Dichloroethane	0.20	5.0	--- U	--- U	--- U	1.50 J	--- U
13. Vinyl Acetate	0.20	50.0	--- U	--- U	--- U	--- U	--- U
14. Cis-1,2-Dichloroethene	0.25	5.0	--- U	--- U	--- U	--- U	--- U
15. 2-Butanone	2.21	100.0	--- U	--- U	--- U	--- U	--- U
16. Bromochloromethane	0.27	3.0	--- U	--- U	--- U	--- U	--- U
17. Chloroform	0.25	5.0	--- U	--- U	--- U	--- U	--- U
18. 1,1,1-Trichloroethane	0.19	1.0	--- U	--- U	--- U	--- U	--- U
19. Carbon Tetrachloride	0.22	1.0	--- U	--- U	--- U	--- U	--- U
20. Benzene	0.24	1.0	--- U	--- U	--- U	1.80	--- U
21. 1,2-Dichloroethane	0.27	1.0	--- U	--- U	--- U	--- U	--- U
22. Trichloroethene	0.23	1.0	--- U	--- U	--- U	--- U	--- U
23. 1,2-Dichloropropane	0.21	1.0	--- U	--- U	--- U	--- U	--- U
24. Bromodichloromethane	0.21	1.0	--- U	--- U	--- U	--- U	--- U
25. Cis-1,3-Dichloropropene	0.24	1.0	--- U	--- U	--- U	--- U	--- U
26. 4-Methyl-2-Pentanone	1.19	100.0	--- U	--- U	--- U	--- U	--- U
27. Toluene	0.23	1.0	--- U	--- U	--- U	--- U	--- U
28. trans-1,3-Dichloropropene	0.28	1.0	--- U	--- U	--- U	--- U	--- U
29. 1,1,2-Trichloroethane	0.25	1.0	--- U	--- U	--- U	--- U	--- U
30. Tetrachloroethene	0.17	1.0	--- U	--- U	--- U	--- U	--- U
31. 2-Hexanone	1.57	50.0	--- U	--- U	--- U	--- U	--- U
32. Dibromochloromethane	0.24	3.0	--- U	--- U	--- U	--- U	--- U
33. 1,2-Dibromoethane	0.26	1.0	--- U	--- U	--- U	--- U	--- U
34. Chlorobenzene	0.30	3.0	--- U	--- U	--- U	1.40 J	--- U
35. 1,1,1,2-Tetrachloroethane	0.22	5.0	--- U	--- U	--- U	--- U	--- U
36. Ethylbenzene	0.21	1.0	--- U	--- U	--- U	--- U	--- U
37. Xylenes	0.68	5.0	--- U	--- U	--- U	--- U	--- U
38. Dibromomethane	0.28	10.0	--- U	--- U	--- U	--- U	--- U
39. Styrene	0.19	1.0	--- U	--- U	--- U	--- U	--- U
40. Bromoform	0.20	3.0	--- U	--- U	--- U	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.26	3.0	--- U	--- U	--- U	--- U	--- U
42. 1,2,3-Trichloropropane	0.43	1.0	--- U	--- U	--- U	--- U	--- U
43. 1,4-Dichlorobenzene	0.39	1.0	--- U	--- U	--- U	0.60 J	--- U
44. 1,2-Dichlorobenzene	0.32	5.0	--- U	--- U	--- U	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.34	13.0	--- U	--- U	--- U	--- U	--- U
46. Acrylonitrile	2.72	200.0	--- U	--- U	--- U	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.42	100.0	--- U	--- U	--- U	--- U	--- U
48. Tetrahydrofuran	0.39	1.0	--- U	0.50 J	--- U	--- U	--- U

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

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT ID: 6041

ANALYST: MAO
DATE COLLECTED: 04/10/12
DATE ANALYZED: 04/16/12
DATE REPORTED: 04/30/12

REVIEWED BY: _____

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	CDMW-3	CDMW-5	CDMW-6	Equipment Blank	Trip Blank
1. Chloromethane	0.77	1.0	--- U	--- U	--- U	--- U	--- U
2. Vinyl Chloride	0.63	1.0	--- U	--- U	--- U	--- U	--- U
3. Bromomethane	0.67	10.0	--- U	--- U	--- U	--- U	--- U
4. Chloroethane	0.48	10.0	--- U	--- U	--- U	--- U	--- U
5. Trichlorofluoromethane	0.24	1.0	--- U	--- U	--- U	--- U	--- U
6. 1,1-Dichloroethene	0.17	5.0	--- U	--- U	--- U	--- U	--- U
7. Acetone	9.06	100.0	--- U	--- U	--- U	--- U	--- U
8. Iodomethane	0.26	10.0	--- U	--- U	--- U	--- U	--- U
9. Carbon Disulfide	0.23	100.0	--- U	--- U	--- U	--- U	--- U
10. Methylene Chloride	0.64	1.0	--- U	--- U	--- U	--- U	--- U
11. trans-1,2-Dichloroethene	0.23	5.0	--- U	--- U	--- U	--- U	--- U
12. 1,1-Dichloroethane	0.20	5.0	--- U	--- U	--- U	--- U	--- U
13. Vinyl Acetate	0.20	50.0	--- U	--- U	--- U	--- U	--- U
14. Cis-1,2-Dichloroethene	0.25	5.0	--- U	--- U	--- U	--- U	--- U
15. 2-Butanone	2.21	100.0	--- U	--- U	--- U	--- U	--- U
16. Bromochloromethane	0.27	3.0	--- U	--- U	--- U	--- U	--- U
17. Chloroform	0.25	5.0	--- U	--- U	--- U	--- U	--- U
18. 1,1,1-Trichloroethane	0.19	1.0	--- U	--- U	--- U	--- U	--- U
19. Carbon Tetrachloride	0.22	1.0	--- U	--- U	--- U	--- U	--- U
20. Benzene	0.24	1.0	--- U	--- U	--- U	--- U	--- U
21. 1,2-Dichloroethane	0.27	1.0	--- U	--- U	--- U	--- U	--- U
22. Trichloroethene	0.23	1.0	--- U	--- U	--- U	--- U	--- U
23. 1,2-Dichloropropane	0.21	1.0	--- U	--- U	--- U	--- U	--- U
24. Bromodichloromethane	0.21	1.0	--- U	--- U	--- U	--- U	--- U
25. Cis-1,3-Dichloropropene	0.24	1.0	--- U	--- U	--- U	--- U	--- U
26. 4-Methyl-2-Pentanone	1.19	100.0	--- U	--- U	--- U	--- U	--- U
27. Toluene	0.23	1.0	--- U	--- U	--- U	--- U	--- U
28. trans-1,3-Dichloropropene	0.28	1.0	--- U	--- U	--- U	--- U	--- U
29. 1,1,2-Trichloroethane	0.25	1.0	--- U	--- U	--- U	--- U	--- U
30. Tetrachloroethene	0.17	1.0	--- U	--- U	--- U	--- U	--- U
31. 2-Hexanone	1.57	50.0	--- U	--- U	--- U	--- U	--- U
32. Dibromochloromethane	0.24	3.0	--- U	--- U	--- U	--- U	--- U
33. 1,2-Dibromoethane	0.26	1.0	--- U	--- U	--- U	--- U	--- U
34. Chlorobenzene	0.30	3.0	--- U	--- U	--- U	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.22	5.0	--- U	--- U	--- U	--- U	--- U
36. Ethylbenzene	0.21	1.0	--- U	--- U	--- U	--- U	--- U
37. Xylenes	0.68	5.0	--- U	--- U	--- U	--- U	--- U
38. Dibromomethane	0.28	10.0	--- U	--- U	--- U	--- U	--- U
39. Styrene	0.19	1.0	--- U	--- U	--- U	--- U	--- U
40. Bromoform	0.20	3.0	--- U	--- U	--- U	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.26	3.0	--- U	--- U	--- U	--- U	--- U
42. 1,2,3-Trichloropropane	0.43	1.0	--- U	--- U	--- U	--- U	--- U
43. 1,4-Dichlorobenzene	0.39	1.0	--- U	--- U	--- U	--- U	--- U
44. 1,2-Dichlorobenzene	0.32	5.0	--- U	--- U	--- U	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.34	13.0	--- U	--- U	--- U	--- U	--- U
46. Acrylonitrile	2.72	200.0	--- U	--- U	--- U	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.42	100.0	--- U	--- U	--- U	--- U	--- U
48. Tetrahydrofuran	0.39	1.0	--- 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:** 17

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
							<2					<2	<2	<2
						P	P	P	P	P		G	G	G
						A	A	A	A	A		E	E	E
MW-1 04	10 12	1200		17	6	G	G	G	G	G	G	G	G	G
MW-2 04	10 12	1105		17	5	G	G	G	G	G	G	G	G	
MW-4 04	10 12	1120		17	5	G	G	G	G	G	G	G	G	
MW-5 04	10 12	1115		16	5	G	G	G	G	G	G	G	G	
CDMW-2 04	10 12	1125		17	5	G	G	G	G	G	G	G	G	
CDMW-3 04	10 12	1135		18	5	G	G	G	G	G	G	G	G	
CDMW-5 04	10 12	1140		17	5	G	G	G	G	G	G	G	G	
CDMW-6 04	10 12	1150		17	5	G	G	G	G	G	G	G	G	
Equipment Blank 04	10 12				3		G					G	G	
Trip Blank					2									

PARAMETERS

CHLORINE NEUTRALIZED AT COLLECTION

pH CHECK (LAB)

CONTAINER TYPE, P/G

CHEMICAL PRESERVATION

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

CLASSIFICATION:
- [ ] WASTEWATER (NPDES)
- [ ] DRINKING WATER
- [ ] DWQ/GW
- [X] SOLID WASTE SECTION

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

SAMPLES COLLECTED BY: (Please Print) H Ilgoe / Fox

SAMPLES RECEIVED IN LAB AT 1.8 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob H Ilgoe 04	10 12	B [signature]	04/10/12 308
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.

FORM #5

№ 238447

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 60

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: 04/10/12
DATE REPORTED : 04/30/12

REVIEWED BY:

PARAMETERS	MDL	SWSL	SW-1	SW-2	Analysis Date	Analyst	Method Code
PH (field measurement), Units			5.9	Missing	04/10/12	RJH	SM4500HB
Arsenic, ug/l	0.10	10.0	0.29 J	Missing	04/16/12	CMF	EPA200.8
Barium, ug/l	0.02	100.0	10.7 J	Missing	04/16/12	CMF	EPA200.8
Cadmium, ug/l	0.02	1.0	--- U	Missing	04/16/12	CMF	EPA200.8
Total Chromium, ug/l	0.04	10.0	0.48 J	Missing	04/16/12	CMF	EPA200.8
Lead, ug/l	0.02	10.0	0.33 J	Missing	04/16/12	CMF	EPA200.8
Mercury, ug/l	0.05	0.20	--- U	Missing	04/16/12	CMF	EPA200.8
Selenium, ug/l	0.20	10.0	--- U	Missing	04/16/12	CMF	EPA200.8
Silver, ug/l	0.02	10.0	--- U	Missing	04/16/12	CMF	EPA200.8
Turbidity, NTU	1.0	1.0	7.5	Missing	04/11/12	HLB	SM2130B
Conductivity (at 25c), uMhos/cm	1.0	1.0	35	Missing	04/10/12	RJH	SM2510B
Temperature, °C			16	Missing	04/10/12	RJH	SM2550B

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

Environment 1, Incorporated

Drinking Water ID: 37735
Waste Water 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

REVIEWED BY: _____

CLIENT ID: 6041 A
ANALYST: MAO
DATE COLLECTED: 04/10/12
DATE ANALYZED: 04/16/12
DATE REPORTED: 04/30/12

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	SW-1
1. Chloromethane	0.77	1.0	--- U
2. Vinyl Chloride	0.63	1.0	--- U
3. Bromomethane	0.67	10.0	--- U
4. Chloroethane	0.48	10.0	--- U
5. Trichlorofluoromethane	0.24	1.0	--- U
6. 1,1-Dichloroethene	0.17	5.0	--- U
7. Acetone	9.06	100.0	--- U
8. Iodomethane	0.26	10.0	--- U
9. Carbon Disulfide	0.23	100.0	--- U
10. Methylene Chloride	0.64	1.0	--- U
11. trans-1,2-Dichloroethene	0.23	5.0	--- U
12. 1,1-Dichloroethane	0.20	5.0	--- U
13. Vinyl Acetate	0.20	50.0	--- U
14. Cis-1,2-Dichloroethene	0.25	5.0	--- U
15. 2-Butanone	2.21	100.0	--- U
16. Bromochloromethane	0.27	3.0	--- U
17. Chloroform	0.25	5.0	--- U
18. 1,1,1-Trichloroethane	0.19	1.0	--- U
19. Carbon Tetrachloride	0.22	1.0	--- U
20. Benzene	0.24	1.0	--- U
21. 1,2-Dichloroethane	0.27	1.0	--- U
22. Trichloroethene	0.23	1.0	--- U
23. 1,2-Dichloropropane	0.21	1.0	--- U
24. Bromodichloromethane	0.21	1.0	--- U
25. Cis-1,3-Dichloropropene	0.24	1.0	--- U
26. 4-Methyl-2-Pentanone	1.19	100.0	--- U
27. Toluene	0.23	1.0	--- U
28. trans-1,3-Dichloropropene	0.28	1.0	--- U
29. 1,1,2-Trichloroethane	0.25	1.0	--- U
30. Tetrachloroethene	0.17	1.0	--- U
31. 2-Hexanone	1.57	50.0	--- U
32. Dibromochloromethane	0.24	3.0	--- U
33. 1,2-Dibromoethane	0.26	1.0	--- U
34. Chlorobenzene	0.30	3.0	--- U
35. 1,1,1,2-Tetrachloroethane	0.22	5.0	--- U
36. Ethylbenzene	0.21	1.0	--- U
37. Xylenes	0.68	5.0	--- U
38. Dibromomethane	0.28	10.0	--- U
39. Styrene	0.19	1.0	--- U
40. Bromoform	0.20	3.0	--- U
41. 1,1,2,2-Tetrachloroethane	0.26	3.0	--- U
42. 1,2,3-Trichloropropane	0.43	1.0	--- U
43. 1,4-Dichlorobenzene	0.39	1.0	--- U
44. 1,2-Dichlorobenzene	0.32	5.0	--- U
45. 1,2-Dibromo-3-Chloropropane	0.34	13.0	--- U
46. Acrylonitrile	2.72	200.0	--- U
47. trans-1,4-Dichloro-2-Butene	0.42	100.0	--- U
48. Tetrahydrofuran	0.39	1.0	--- 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:** 17

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
						P	P	P	P	P	G	G
						A	A	A	A	A	E	E
SW-1	04 10 12	1120		16	5	G	G	G	G	G	G	G
SW-2					5	G	G	G	G	G	G	G

CHLORINE NEUTRALIZED AT COLLECTION

pH CHECK (LAB): 12 12

CONTAINER TYPE, P/G

CHEMICAL PRESERVATION

PARAMETERS

A - NONE D - NAOH
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C - H_2SO_4 F - ZINC ACETATE
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CLASSIFICATION:
☐ WASTEWATER (NPDES)
☐ DRINKING WATER
☐ DWQ/GW
☒ SOLID WASTE SECTION

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

SAMPLES COLLECTED BY: (Please Print) Hope Fox

SAMPLES RECEIVED IN LAB AT 1.8 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Hope Fox	04 10 12		
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
			4/10/12 308
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

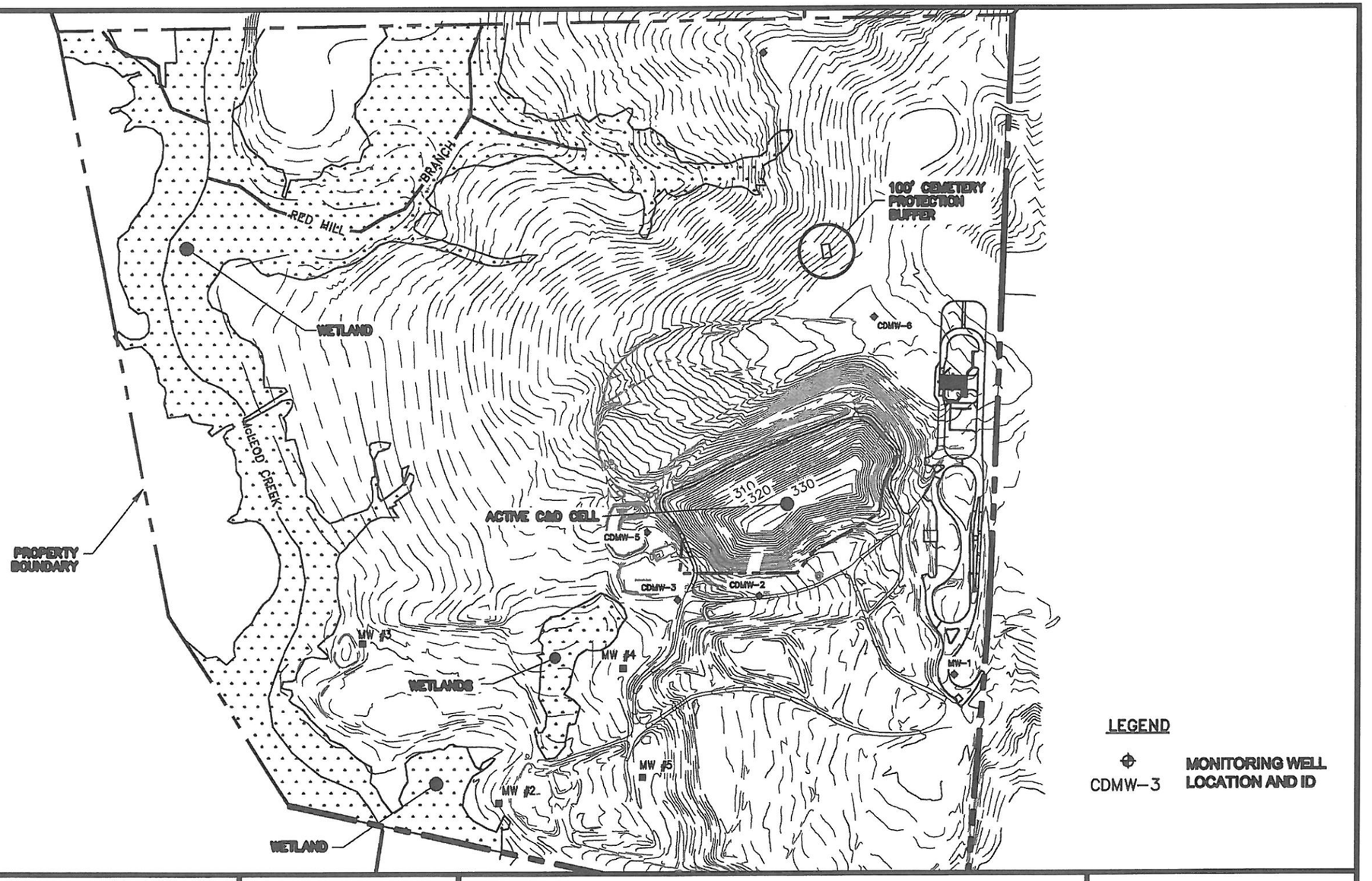
COMMENTS: SW2 DRY

PLEASE READ Instructions for completing this form on the reverse side.

FORM #5

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

№ 238446



CLAYTON Engineering
dba C. T. Clayton, Sr. PE, Inc.
Civil and Environmental
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License No. C-2570 · www.ctclayton.com
email: tyrus@ctclayton.com

ANDERSON CREEK
LANDFILL

LANDFILL LAYOUT

HARNETT COUNTY NORTH CAROLINA

PROJECT #	: 3002
PROJ. ENG.	: RS
DRAWN BY	: SBK
FIELD BK.	: –
CAD FILE	: ACLF Proposed Cell Exhibit.DWG
SCALE	: 1" = 400'
DATE	: 21 OCTOBER 2010
SHEET #	: 1