Scanned by	Date	Doc ID #
DCH	11/1/07	RCO 3324

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.

Received OCT 2007 Solid Waste Section

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

Carteret County North Carolina

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

Name: Steve Jones Phone: (252) 756-6208

E-mail: SJonesEl@aol.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Carteret County Landfill	Hibbs Road Newport, NC 28570	1602		October 08, 2007

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.

William J. Zaist	County Engineer	(252) 728-8406
Facility Representative Name (Print)	Title	(Area Code) Telephone Number

Signature: WZaist Date: 10/30/2007

Affix NC Licensed/ Professional Geologist/Engineer Seal here:

NORTH CAROLINA PROFESSIONAL SEAL 11839 ENGINEER WILLIAM J. ZAIST

Revised 01/2007

Table of Values Which Exceed Established Standards And/Or Exceed Reporting Levels

Facility Name: CARTERET CO. LANDFILL Permit #: 1602 Lab ID# 6002

Location	Collection Date	Exceeds Std	Parameter	CAS #	Result, ug/l	NC 2L STD **	NC GWP STD **	NC 2B SWS **
SW-1	10/08/2007		Chloromethane	106-50-3	1.10			
Well #2R	10/08/2007		Barium	7440-39-3	505	2000		
Well #2R	10/08/2007		Total Chromium	7440-47-3	15	50		
Well #2R	10/08/2007		Selenium	7782-49-2	13	50		
Well #2R	10/08/2007		Chloromethane	106-50-3	1.30			
Well #2R	10/08/2007	Y	Benzene	71-43-2	1.30	1		
Well #3R	10/08/2007		Chloromethane	106-50-3	1.10			
Well #4	10/08/2007		Cadmium	7440-43-9	1.1	1.75		
Well #4	10/08/2007		Lead	7439-92-1	10.7	15		
Well #6	10/08/2007		Barium	7440-39-3	114	2000		

** Note: NC 2L STD = NC 2L Ground Water Standard
NC GWP STD = NC Solid Waste Groundwater Protection Standard
NC 2B SWS = NC 2B Surface Water Standard

Environment 1, Incorporated

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

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

ID#: 6002

CARTERET CO. LANDFILL
JOHN LANGDON
COURTHOUSE SQUARE
BEAUFORT ,NC 28516-1898

DATE COLLECTED: 10/08/07
DATE REPORTED : 10/19/07

REVIEWED BY:

PARAMETERS	MDL	SWSL	Well #4	Well #6	Well #1R	Well #2R	SW-1	Analysis Date	Analyst	Method Code
PH (field measurement), Units			5.7	6.4	4.1	6.2	6.6	10/08/07	RJH	SM4500HB
Arsenic, ug/l	0.47	10.0	1.1 J	0.7 J	1.9 J	5.9 J	2.3 J	10/11/07	LFJ	EPA200.8
Barium, ug/l	0.04	100.0	18.3 J	114	9.4 J	505	28 J	10/11/07	LFJ	EPA200.8
Cadmium, ug/l	0.06	1.0	1.1	--- U	0.5 J	0.5 J	0.9 J	10/11/07	LFJ	EPA200.8
Total Chromium, ug/l	0.24	10.0	2.8 J	2.0 J	2.4 J	15	1.8 J	10/11/07	LFJ	EPA200.8
Lead, ug/l	0.07	10.0	10.7	--- U	2.6 J	0.2 J	0.3 J	10/11/07	LFJ	EPA200.8
Mercury, ug/l	0.04	0.20	--- U	--- U	--- U	--- U	--- U	10/11/07	LFJ	EPA200.8
Selenium, ug/l	0.35	10.0	0.8 J	2.0 J	--- U	13	1.1 J	10/11/07	LFJ	EPA200.8
Silver, ug/l	0.52	10.0	--- U	--- U	--- U	--- U	--- U	10/11/07	LFJ	EPA200.8
Conductivity (at 25c), uMhos	1.0	1.0	185	1492	101	3100	391	10/08/07	RJH	SM2510B
Temperature, °C			20	20	18	22	23	10/08/07	RJH	SM2550B
Static Water Level, feet			6.96	5.94	3.76	4.30		10/08/07	RJH	
Well Depth, feet			13.94	20.87	18.69	17.58		10/08/07	RJH	

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

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ID#: 6002

CARTERET CO. LANDFILL
JOHN LANGDON
COURTHOUSE SQUARE
BEAUFORT ,NC 28516-1898

DATE COLLECTED: 10/08/07
DATE REPORTED : 10/19/07

REVIEWED BY:

PARAMETERS	MDL	SWSL	Well #3R	Trip Blank	Analysis Date	Analyst	Method Code
PH (field measurement), Units			5.8		10/08/07	RJH	SM4500HB
Arsenic, ug/l	0.47	10.0	2.4 J		10/11/07	LFJ	EPA200.8
Barium, ug/l	0.04	100.0	52.8 J		10/11/07	LFJ	EPA200.8
Cadmium, ug/l	0.06	1.0	0.1 J		10/11/07	LFJ	EPA200.8
Total Chromium, ug/l	0.24	10.0	6.3 J		10/11/07	LFJ	EPA200.8
Lead, ug/l	0.07	10.0	2.2 J		10/11/07	LFJ	EPA200.8
Mercury, ug/l	0.04	0.20	--- U		10/11/07	LFJ	EPA200.8
Selenium, ug/l	0.35	10.0	2.6 J		10/11/07	LFJ	EPA200.8
Silver, ug/l	0.52	10.0	--- U		10/11/07	LFJ	EPA200.8
Conductivity (at 25c), uMhos	1.0	1.0	804		10/08/07	RJH	SM2510B
Temperature, °C			20		10/08/07	RJH	SM2550B
Static Water Level, feet			6.79		10/08/07	RJH	
Well Depth, feet			20.56		10/08/07	RJH	

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CLIENT: CARTERET CO. LANDFILL
JOHN LANGDON
COURTHOUSE SQUARE
BEAUFORT, NC 28516-1898

CLIENT ID: 6002

ANALYST: MAO
DATE COLLECTED: 10/08/07
DATE REPORTED: 10/19/07

Page: 1

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	10/10/07 Well #4	10/12/07 Well #6	10/10/07 Well #1R	10/10/07 Well #2R	10/10/07 SW-1
	Date Analyzed:						
1. Chloromethane	0.18	1.0	0.60 J	0.90 J	0.80 J	1.30	1.10
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	1.50 J	1.60 J
8. Iodomethane	0.12	10.0	--- U	--- U	--- U	--- U	--- U
9. Carbon Disulfide	0.14	100.0	--- U	0.30 J	--- U	0.50 J	--- U
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	0.30 J	--- U
13. Vinyl Acetate	0.20	5.0	--- U	--- U	--- U	--- U	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	--- U	--- U	--- U	0.20 J	--- U
15. 2-Butanone	0.85	100.0	--- U	--- 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	0.80 J	--- U	1.30	--- 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	0.40 J	--- 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	0.20 J	--- 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

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CLIENT: CARTERET CO. LANDFILL
JOHN LANGDON
COURTHOUSE SQUARE
BEAUFORT, NC 28516-1898

CLIENT ID: 6002

ANALYST: MAO
DATE COLLECTED: 10/08/07
DATE REPORTED: 10/19/07

REVIEWED BY: _____

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	Date Analyzed: MDL	SWSL	10/10/07 Well #3R	10/10/07 Trip Blank
1. Chloromethane	0.18	1.0	1.10	--- 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	--- U	--- U
8. Iodomethane	0.12	10.0	--- U	--- U
9. Carbon Disulfide	0.14	100.0	0.20 J	--- 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	5.0	--- 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	0.70 J	--- 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	0.20 J	--- U
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	0.20 J	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U	--- U
36. Ethylbenzene	0.16	1.0	0.20 J	--- 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.

CARTERET COUNTY
MONTHLY TRAVEL EXPENSE VOUCHER

NAME OF EMPLOYEE: William J. Zaist JOB TITLE: Engineer DEPARTMENT: Engineering MONTH-YEAR: October 2007

2007

DATE	ORIGINATION	ODOMETER BEGIN.	DESTINATION	ODOMETER END.	PURPOSE	MILEAGE
10-1	Beaufort	26337	Atlantic ~~& Newport~~	26406	Easter & Marine Park + Atl. Hbr.	69
10-4	Beaufort	26468	Morehead City	26487	Swinson Park	19
10-8	Beaufort	26546	Morehead City	26566	Swinson Park	20
10-9	Beaufort	26580	Morehead City	26602	Civic Ctr & Sr. Ctr	22
10-12	Beaufort	26726	Newport	26756	Meet w/ Bill Hudson	30
10-15	Beaufort	26860	Newport	26890	Npt Middle Sch + Downtown	30
10-16	Beaufort	26908	MHC	26923	Inspect Swinson Park	15
10-19	Beaufort	27013	MHC & Harkers Island	27057	Lowes, Swinson & Otway Site	44
10-25	Beaufort	27212	Raleigh	27539	Rural Center Grant Workshop	327
10-29	Beaufort	27689	Morehead City	27711	Sr. Ctr & Swinson Park	22
10-30	Beaufort	27715	Tuscarora	27825	CRSWMA Meeting	110
						708

AMOUNT OF REIMBURSEMENT: 708 miles @ $.485 per mile = $ 343.38

W J Zaist
Employee Signature

10/30/07
Date

County Manager

Date

Finance Officer

Date