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):

Municipal Engineering Services Co., P.A.

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

Name: Jonathan Pfohl Phone: (919) 772-5393

E-mail: jpfohl@mesco.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Lenoir County Subtitle D Lined MSWLF	2949 Hodges Farm Road LaGrange, NC 28501	54-09	.1600	January 23, 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
☐ 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.

Jonathan Pfohl	Environmental Specialist	(919) 772-5393
Facility Representative Name (Print)	Title	(Area Code) Telephone Number
Signature	3/11/08 Date	Affix NC Licensed/ Professional Geologist/Engineer Seal here:

Revised 01/2007

Groundwater Sampling Report and Statistical Analysis

Prepared for

Lenoir County Subtitle D Lined MSWLF
LaGrange, North Carolina

January, 2008

Permit Number: 54-09
MESCO Project Number: G08029.0

Completed on March 11, 2008

Municipal Services Garner, NC
Engineering Company, P.A. Boone, NC
Municipal Engineering Services Company, P.A.
Garner, Boone and Morehead City, North Carolina

OPERATION/CONSTRUCTION MANAGERS

Municipal Services

CIVIL/SANITARY ENGINEERS

Engineering Company, P.A.

March 11, 2008

Ms. Jaclynne Drummond
Solid Waste Section
Division of Waste Management
North Carolina Department of Environment and Natural Resources
401 Oberlin Road, Suite 150
Raleigh, NC 27605

Re: Groundwater Sampling and Statistical Analysis
Lenoir County Subtitle D Lined Landfill, phase 1
Permit No. 54-09
MESCO Project No. G08029.0

Dear Ms. Drummond:

Municipal Engineering Services Company, P.A. (MESCO) completed the sampling report and statistical analyses for the Lenoir County Subtitle D Lined Landfill, phase 1 located near LaGrange, NC. Environment I of Greenville NC, sampled and analyzed the active lined landfill on January 23, 2008 as part of the detection monitoring program. All of the monitoring locations were analyzed for the complete Appendix I list of metals and volatile organic constituents (VOCs) utilizing the stringent Method Detection Limits (MDL) with reference to the Solid Waste Section detection limits (SWSL) and Groundwater Protection (GWP) values current as of the sampling date. All of the laboratory results are included herein.

The detection monitoring program for the lined landfill consists of compliance wells (MW-14, MW-15, MW-16, MW-17, and MW-18), surface water (SW-3), background well (MW-13), and the leachate lagoon (LAGOON). Samples were analyzed for all monitoring locations with the exception of surface water SW-3 since it was reported to be dry. All of the detected constituents were compared with NCGW2L Standards for regulatory exceedance. The results are shown in the enclosed tables titled "Detection Scan". Consistent with historical events very few constituents were detected with no parameters found in concentrations above the Standard.

Water levels were obtained from a few existing piezometers around the phase 1 area.. These readings were utilized to supplement the water elevations from the monitoring wells to construct a more accurate potentiometric surface. MESCO completed the enclosed potentiometric map with groundwater elevations on the day of sampling, flow rates and direction.

Since there were no detections in quantitative concentrations within any of the downgradient wells the statistical analysis was not necessary for this event. However, data distributions were reviewed using time series and box and whiskers plots (enclosed charts) for all of the parameters found above the SWSL.

PO Box 97, Garner, North Carolina 27529 (919) 772-5393
PO Box 828, Morehead City, NC 28557 (252) 726-9481 PO Box 349, Boone, North Carolina 28607 (828) 262-1767

The Subtitle D Lined Landfill will continue detection monitoring with the next semi-annual sampling event scheduled for July 2008. Please contact me by phone at (919) 772-5393 or by email at jpfohl@mesco.com if you have any questions or comments.

Sincerely,
MUNICIPAL ENGINEERING SERVICES CO., P.A.

Jonathan Pfohl
Environmental Specialist

Enclosures
cc: Mr. Tom Miller
Lenoir County

Detection Scan All Detections above SWSL and NCGW2L
Lenoir County Subtitle D Lined Landfill

Well ID	Parameter Name[1]	Sample Date	Result	Unit	SWSL [2]	MDL[4]	NCGW2L[3]	Exceedance
MW-13	Barium	01/23/2008	131	ug/l	100	0.04	2000	
MW-13	Zinc	01/23/2008	12	ug/l	10	0.2	1050	
MW-17	Barium	01/23/2008	123	ug/l	100	0.04	2000	
LAGOON	Zinc	01/23/2008	14	ug/l	10	1.86	1050	

[1] Table contains all constituents detected above SWSL
[2] SWSL = Solid Waste Section Limit (Current as of sampling date)
[3] NCGW2L = North Carolina Ground Water 2L Standard
[4] MDL = Method Detection Limit

Detection Scan All Detections Reported by Laboratory
Lenoir County Subtitle D Lined Landfill

Well ID	Parameter Name[1]	Sample Date	Result	Unit	SWSL [2]	MDL[4]	NCGW2L[3]	Exceedance
MW-13	Chromium	01/23/2008	9.2	ug/l	10	0.24	50	
MW-13	Beryllium	01/23/2008	0.6	ug/l	1	0.08		
MW-13	Cadmium	01/23/2008	0.2	ug/l	1	0.06	1.75	
MW-13	Cobalt	01/23/2008	2.2	ug/l	10	0.41		
MW-13	Thallium	01/23/2008	0.1	ug/l	5	0.07		
MW-13	Vanadium	01/23/2008	21.1	ug/l	25	0.42		
MW-13	Zinc	01/23/2008	12	ug/l	10	0.2	1050	
MW-13	Copper	01/23/2008	2.9	ug/l	10	0.2	1000	
MW-13	Lead	01/23/2008	7.8	ug/l	10	0.07	15	
MW-13	Nickel	01/23/2008	3	ug/l	50	0.66	100	
MW-13	Antimony	01/23/2008	0.1	ug/l	6	0.05		
MW-13	Barium	01/23/2008	131	ug/l	100	0.04	2000	
MW-13	Arsenic	01/23/2008	3.5	ug/l	10	0.47	50	
MW-14	Arsenic	01/23/2008	0.7	ug/l	10	0.47	50	
MW-14	Copper	01/23/2008	0.4	ug/l	10	0.2	1000	
MW-14	2-Butanone	01/23/2008	1	ug/l	100	0.85	4200	
MW-14	Vanadium	01/23/2008	0.9	ug/l	25	0.42		
MW-14	Lead	01/23/2008	0.4	ug/l	10	0.07	15	
MW-14	Barium	01/23/2008	13.8	ug/l	100	0.04	2000	
MW-15	Cobalt	01/23/2008	1.1	ug/l	10	0.41		
MW-15	2-Butanone	01/23/2008	1	ug/l	100	0.85	4200	
MW-15	Vanadium	01/23/2008	0.7	ug/l	25	0.42		
MW-15	Barium	01/23/2008	37	ug/l	100	0.04	2000	
MW-15	Nickel	01/23/2008	1	ug/l	50	0.66	100	
MW-15	Acetone	01/23/2008	1.3	ug/l	100	1.21	700	
MW-15	Copper	01/23/2008	1.1	ug/l	10	0.2	1000	
MW-15	Arsenic	01/23/2008	1.1	ug/l	10	0.47	50	
MW-15	Zinc	01/23/2008	1.6	ug/l	10	0.2	1050	
MW-15	Selenium	01/23/2008	1.1	ug/l	10	0.35	50	
MW-16	Cadmium	01/23/2008	0.1	ug/l	1	0.06	1.75	
MW-16	Copper	01/23/2008	0.2	ug/l	10	0.2	1000	
MW-16	Zinc	01/23/2008	0.8	ug/l	10	0.2	1050	
MW-16	2-Butanone	01/23/2008	1	ug/l	100	0.85	4200	
MW-16	Vanadium	01/23/2008	0.9	ug/l	25	0.42		
MW-16	Barium	01/23/2008	11	ug/l	100	0.04	2000	
MW-16	Acetone	01/23/2008	1.3	ug/l	100	1.21	700	
MW-16	Lead	01/23/2008	0.1	ug/l	10	0.07	15	
MW-17	Beryllium	01/23/2008	0.6	ug/l	1	0.08		
MW-17	Zinc	01/23/2008	8.5	ug/l	10	0.2	1050	
MW-17	Vanadium	01/23/2008	15.3	ug/l	25	0.42		
MW-17	Selenium	01/23/2008	0.4	ug/l	10	0.35	50	
MW-17	Nickel	01/23/2008	1.6	ug/l	50	0.66	100	
MW-17	Cadmium	01/23/2008	0.1	ug/l	1	0.06	1.75	
MW-17	Copper	01/23/2008	1.5	ug/l	10	0.2	1000	
MW-17	Chromium	01/23/2008	6.9	ug/l	10	0.24	50	
MW-17	Cobalt	01/23/2008	1.8	ug/l	10	0.41		
MW-17	Lead	01/23/2008	6.8	ug/l	10	0.07	15	
MW-17	Barium	01/23/2008	123	ug/l	100	0.04	2000	
MW-17	Arsenic	01/23/2008	4.5	ug/l	10	0.47	50	
MW-17	Antimony	01/23/2008	0.2	ug/l	6	0.05		

Well ID	Parameter Name[1]	Sample Date	Result	Unit	SWSL [2]	MDL[4]	NCGW2L[3]	Exceedance
MW-18	Chromium	01/23/2008	0.4	ug/l	10	0.24	50	
MW-18	Vanadium	01/23/2008	1.4	ug/l	25	0.42		
MW-18	Cadmium	01/23/2008	0.1	ug/l	1	0.06	1.75	
MW-18	Zinc	01/23/2008	3.6	ug/l	10	0.2	1050	
MW-18	Beryllium	01/23/2008	0.1	ug/l	1	0.08		
MW-18	Barium	01/23/2008	32.3	ug/l	100	0.04	2000	
MW-18	Copper	01/23/2008	0.4	ug/l	10	0.2	1000	
MW-18	Lead	01/23/2008	0.8	ug/l	10	0.07	15	
MW-18	Cobalt	01/23/2008	0.6	ug/l	10	0.41		
MW-18	Thallium	01/23/2008	0.2	ug/l	5	0.07		
MW-18	Antimony	01/23/2008	0.1	ug/l	6	0.05		
LAGOON	Zinc	01/23/2008	14	ug/l	10	1.86	1050	
LAGOON	Selenium	01/23/2008	5.3	ug/l	10	0.04	50	
LAGOON	4-Methyl-2-Pentanone	01/23/2008	1.1	ug/l	100	0.68		
LAGOON	Acetone	01/23/2008	12.3	ug/l	100	1.21	700	
LAGOON	Total Phosphorus	01/23/2008	80	ug/l	40	40		
LAGOON	Toluene	01/23/2008	0.2	ug/l	1	0.11	1000	
LAGOON	2-Butanone	01/23/2008	3	ug/l	100	0.85	4200	
LAGOON	Copper	01/23/2008	7	ug/l	10	5.0	1000	
LAGOON	Lead	01/23/2008	0.7	ug/l	10	0.01	15	
LAGOON	Nickel	01/23/2008	14.7	ug/l	50	0.03	100	
LAGOON	Arsenic	01/23/2008	4.8	ug/l	10	0.07	50	
LAGOON	Benzene	01/23/2008	0.5	ug/l	1	0.16	1	
LAGOON	Chromium	01/23/2008	1.7	ug/l	10	0.14	50	
EB	Copper	01/23/2008	0.3	ug/l	10	0.2	1000	
EB	Acetonitrile	01/23/2008	8.8	ug/l	50	5.96		
EB	Manganese	01/23/2008	0.77	ug/l	50	0.5	50	
EB	Iron	01/23/2008	57	ug/l	300	12	300	
EB	Barium	01/23/2008	7.3	ug/l	100	0.04	2000	
EB	Antimony	01/23/2008	0.1	ug/l	6	0.05		

[1] Table contains all constituents detected above MDL

[2] SWSL = Solid Waste Section Limit (Current as of sampling date)

[3] NCGW2L = North Carolina Ground Water 2L Standard

[4] MDL = Method Detection Limit

Hydrologic Properties at Monitoring Well Locations
Lenoir County Subtitle D Lined Landfill

Monitoring Well	Hydraulic Conductivity (cm/sec)	Effective Porosity (%)	Hydraulic Gradient	Flow Rate (ft/yr)	Flow Direction	Water Table Depth (ft)	Water Table Elev. (ft)
MW-13	7.69E-05	23%	0.01	3.7	N55E	27.96	79.85
MW-14	3.38E-03	23%	0.02	327.4	N57E	12.48	62.33
MW-15	2.89E-03	22%	0.01	123.2	N71E	6.51	65.13
MW-16	9.72E-04	23%	0.61	2687.3	S87E	7.10	69.26
MW-17	1.13E-03	23%	0.009	45.6	N88E	27.06	74.00
MW-18	1.25E-04	23%	0.192	107.8	N80E	28.54	78.20

NOTE: 1.Hydraulic conductivity (K), values for all wells based upon slug test results coducted by MESCO in December 2005.

2. Effective Porosity (ne), values obtained from the MESCO design hydrogeologic report completed in August 2002.

3.Water levels were measured prior to sampling by Environment 1, Inc. on January 23, 2008.

Flow rate (Q) is defined by the equation:

where

$$Q = -\frac{K}{n_e} \cdot \frac{dh}{dl}$$

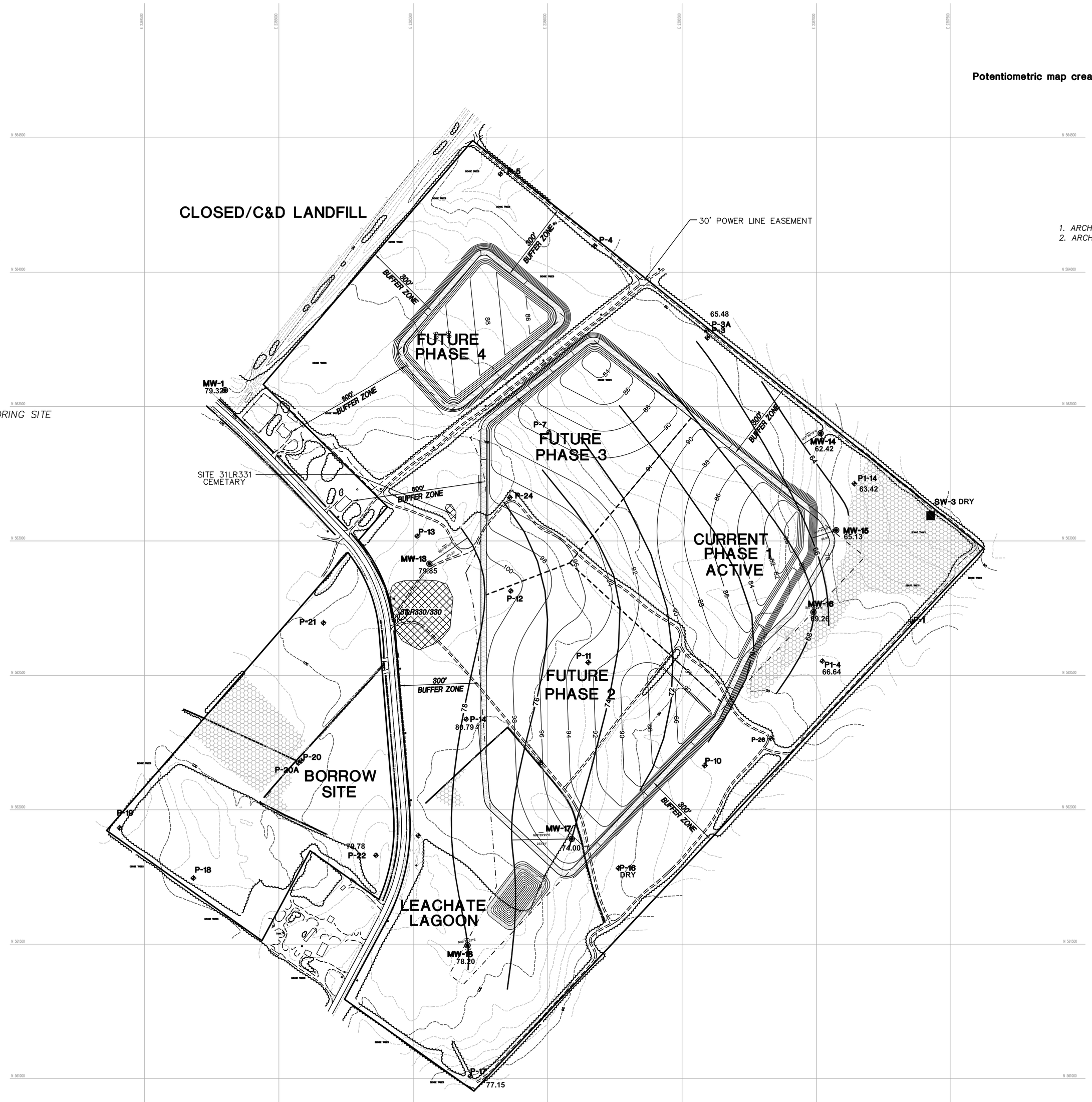
K = hydraulic conductivity
ne = effective porosity
dh = head difference
dl = horizontal distance

NOTE

Potentiometric map created based on water levels measured on 1/23/08

LEGEND

- EXISTING CONTOURS
- 90 — PROPOSED BASE GRADE
- PROPERTY LINE
- EXISITING PATH
- BUFFER ZONE
- PHASES OF OPERATION
- EXISTING PIEZOMETER
- REF # — ARCHAEOLOGICAL SITES
- WETLANDS
- MONITORING WELL
- SURFACE WATER MONITORING SITE



NOTES

1. ARCHAEOLOGICAL SITE 31LR331 (CEMETARY) WILL NOT BE DISTURBED.
2. ARCHAEOLOGICAL SITE 31LR330 WILL BE DISTURBED.

Lenoir County Subtitle D Lined Landfill
January 23, 2008

WELL #	TOP OF PIPE ELEVATION (FT)	DEPTH TO WATER (FT)	WATER ELEVATION (FT)
MW-13	107.81	27.96	79.85
MW-14	74.81	12.48	62.33
MW-15	71.64	6.51	65.13
MW-16	76.36	7.10	69.26
MW-17	101.06	27.06	74.00
MW-18	106.74	28.54	78.20
P-3A	82.19	16.71	65.48
P1-4	78.80	12.16	66.64
P1-14	69.22	5.80	63.42
MW-1	98.34	19.02	79.32
P-14	104.07	NR	-
P-16	93.82	Dry	-
P-17	90.57	13.42	77.15
P-22	110.40	30.62	79.78

Municipal Services Engineering Company, P.A.
P.O. BOX 97 GARNER, N.C. 27529 (919) 772-5393
P.O. BOX 349 BOONE, N.C. 28607 (828) 262-1767

SUBTITLE D LINED MSW LANDFILL FACILITY
LENOIR COUNTY NORTH CAROLINA

DATE	BY	REV.	DESCRIPTION

SINGLE DAY POTENTIOMETRIC MAP

SCALE: 1"=200'
DATE: 4/8/2002
DRWN. BY: K. Yoshida
CHKD. BY: K. Yoshida
PROJECT NUMBER G01046.6
DRAWING NO.
SHEET NO.

Statistical Analysis Results Summary

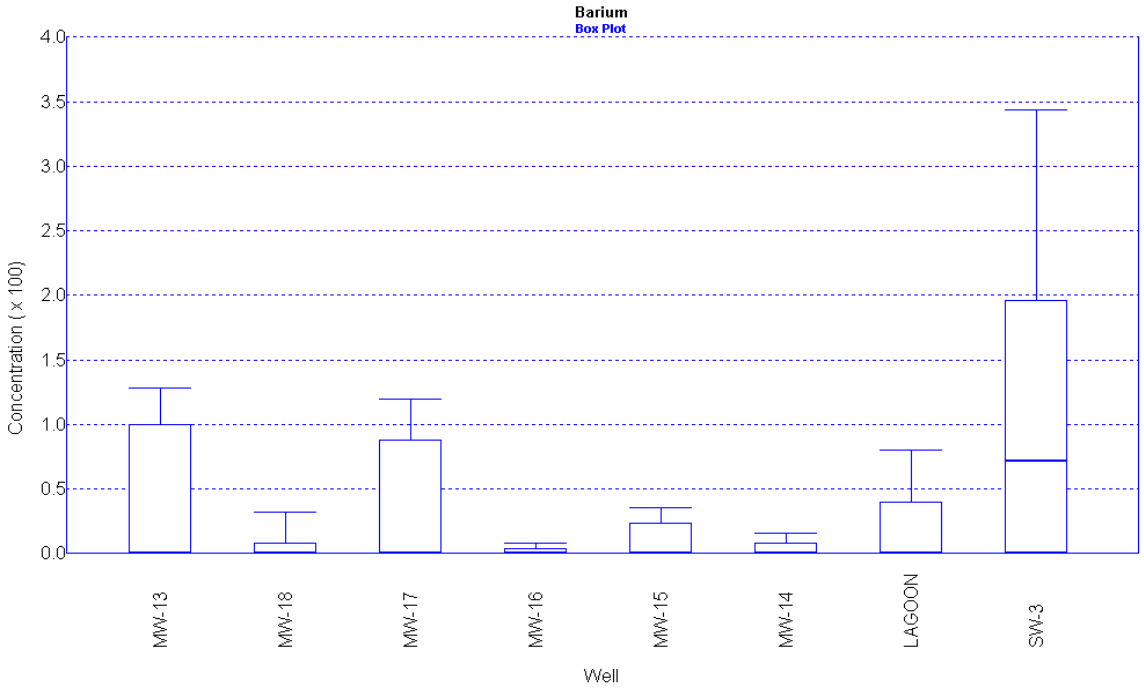
Inter-Well Analysis Summary
Lenoir County Subtitle D Lined Landfill

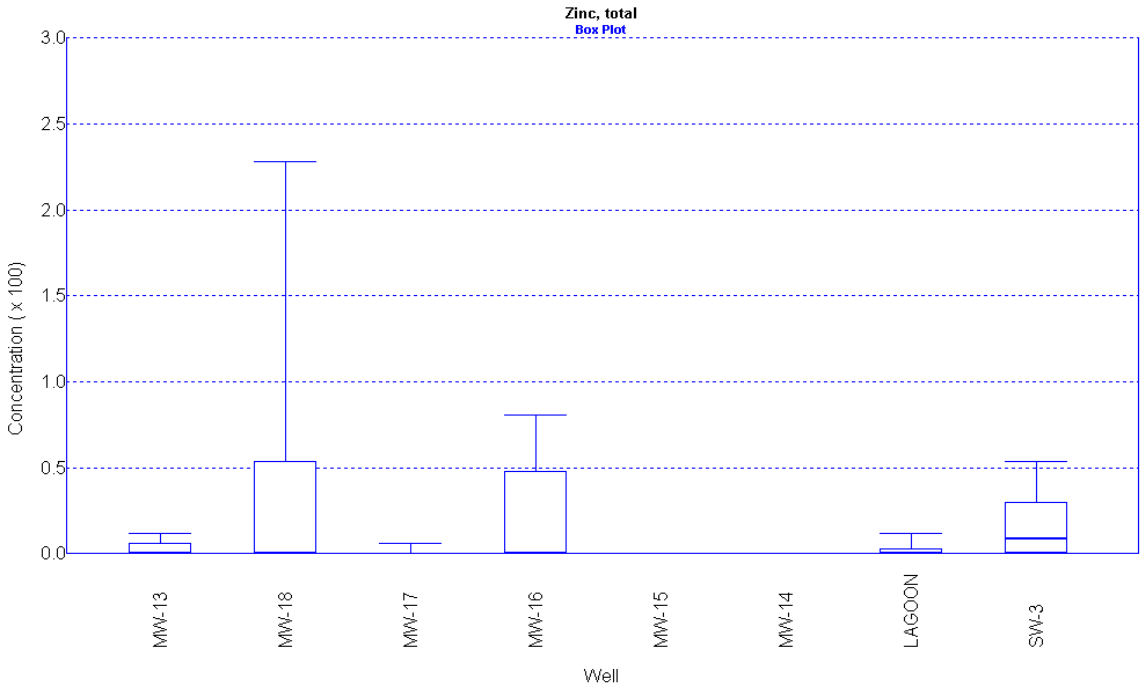
Background Well: MW-1

None

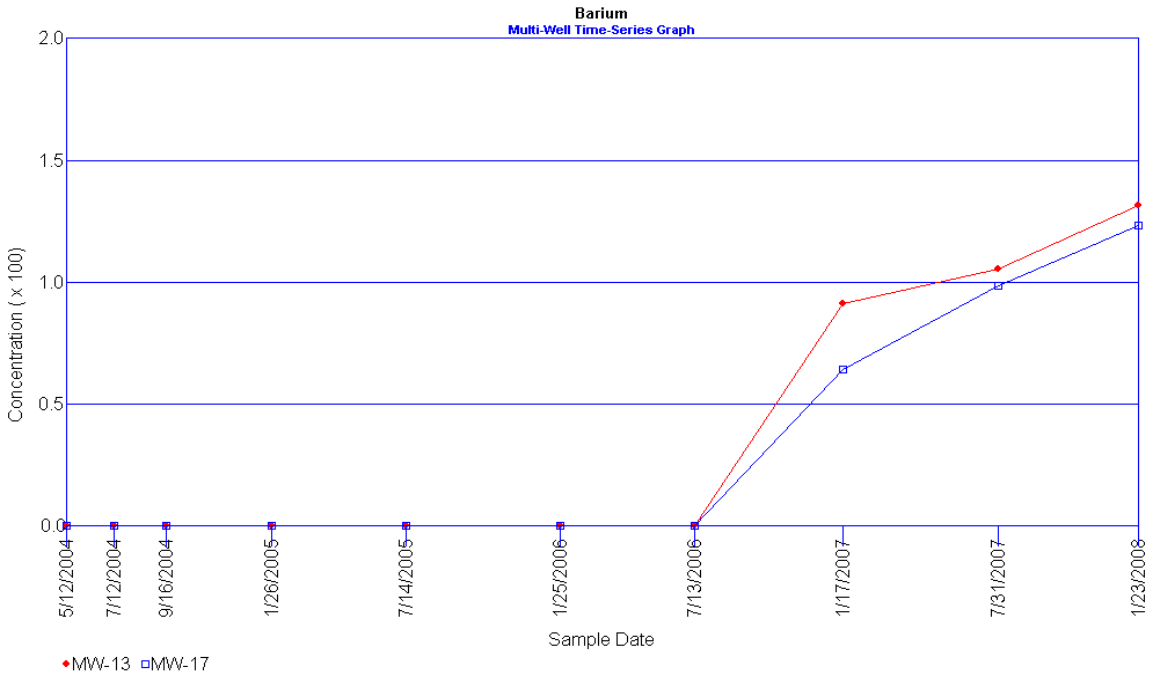
No Metals detected above SWSL within downgradient wells
Therefore No Statistically Significant Metal Detections.

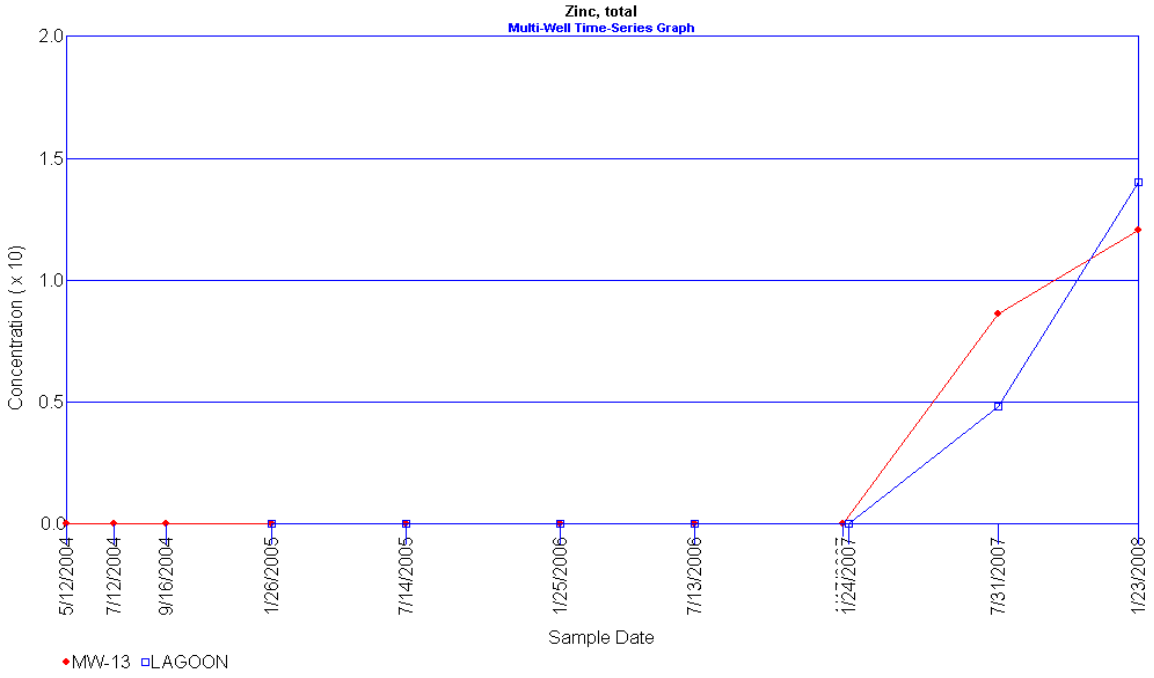
Box Plots for Select Constituents (Metals)
Lenoir County Subtitle D Lined Landfill





Time Series Plots for Select Constituents
Lenoir County Subtitle D Lined Landfill





Summary of Pooled VOCs in Background Well (MW-13)
Lenoir County Subtitle D Lined Landfill

Constituent	Samples	NDs	% NDs
1,1,1,2-Tetrachloroethane	10	10	100.00
1,1,1-Trichloroethane	10	10	100.00
1,1,2,2-Tetrachloroethane	10	10	100.00
1,1,2-Trichloroethane	10	10	100.00
1,1-Dichloroethane	10	10	100.00
1,1-Dichloroethene	10	10	100.00
1,2,3-Trichloropropane	10	10	100.00
1,2-Dibromo-3-chloropropane	10	10	100.00
1,2-Dibromoethane	10	10	100.00
1,2-Dichlorobenzene	10	10	100.00
1,2-Dichloroethane	10	10	100.00
1,2-Dichloropropane	10	10	100.00
1,4-Dichlorobenzene	10	10	100.00
2-Butanone	10	10	100.00
2-Hexanone	10	10	100.00
4-Methyl-2-Pentanone	10	10	100.00
Acetone	10	10	100.00
Acrylonitrile	10	10	100.00
Benzene	10	10	100.00
Bromochloromethane	10	10	100.00
Bromodichloromethane	10	10	100.00
Bromoform	10	10	100.00
Bromomethane	10	10	100.00
Carbon disulfide	10	10	100.00
Carbon tetrachloride	10	10	100.00
Chlorobenzene	10	10	100.00
Chloroethane	10	10	100.00
Chloroform	10	10	100.00
Chloromethane	10	10	100.00
cis-1,2-Dichloroethene	10	10	100.00
cis-1,3-Dichloropropene	10	10	100.00
Chlorodibromomethane	10	10	100.00
Dibromomethane	10	10	100.00
Ethylbenzene	10	10	100.00
Iodomethane	10	10	100.00
Dichloromethane	10	10	100.00
Styrene	10	10	100.00
Tetrachloroethylene	10	10	100.00
Toluene	10	10	100.00
trans-1,2-Dichloroethene	10	10	100.00
trans-1,3-Dichloropropene	10	10	100.00
trans-1,4-Dichloro-2-butene	10	10	100.00
Trichloroethylene	10	10	100.00
Trichlorofluoromethane	10	10	100.00
Vinyl acetate	10	10	100.00
Vinyl chloride	10	10	100.00
Xylene	10	10	100.00
Total	**470**	**470**	**100.00**

Poisson Prediction Interval Based upon Pooled Background VOCs
Lenoir County Subtitle D Lined Landfill

All detected VOCs (Background Well: MW-13)

Constituent	None
None	-
Detection(s) per Scan	0.00

Total number of sampling events [n] =	10
Total number of detections in background wells [y] =	0
Number of comparisons (downgradient wells) [k] =	5
One-sided value of Student's t-statistic (95% confidence) [t] =	2.86
Expected number of detections in a single future sample [y*] =	**0.8151**

NO Statistically Significant VOC Detections at a 95% Confidence Level.

Laboratory Results

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#: 6053

LENOIR CO. LANDFILL (NEW)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON ,NC 28502

DATE COLLECTED: 01/23/08
DATE REPORTED : 02/07/08

REVIEWED BY:

PARAMETERS	MDL	SWSL	SW-3	MW-13	MW-14	MW-15	MW-16	Analysis Date	Analyst	Method Code
PH (field measurement), Units			Missing	4.5	4.9	4.6	5.0	01/23/08	RJH	SM4500HB
Antimony, ug/l	0.05	6.0	Missing	0.1 J	--- U	--- U	--- U	01/28/08	CMF	EPA200.8
Arsenic, ug/l	0.47	10.0	Missing	3.5 J	0.7 J	1.1 J	--- U	01/28/08	CMF	EPA200.8
Barium, ug/l	0.04	100.0	Missing	131	13.8 J	37.0 J	11.0 J	01/28/08	CMF	EPA200.8
Beryllium, ug/l	0.08	1.0	Missing	0.6 J	--- U	--- U	--- U	01/28/08	CMF	EPA200.8
Cadmium, ug/l	0.06	1.0	Missing	0.2 J	--- U	--- U	0.1 J	01/28/08	CMF	EPA200.8
Cobalt, ug/l	0.41	10.0	Missing	2.2 J	--- U	1.1 J	--- U	01/28/08	CMF	EPA200.8
Copper, ug/l	0.20	10.0	Missing	2.9 J	0.4 J	1.1 J	0.2 J	01/28/08	CMF	EPA200.8
Total Chromium, ug/l	0.24	10.0	Missing	9.2 J	--- U	--- U	--- U	01/28/08	CMF	EPA200.8
Lead, ug/l	0.07	10.0	Missing	7.8 J	0.4 J	--- U	0.1 J	01/28/08	CMF	EPA200.8
Nickel, ug/l	0.66	50.0	Missing	3.0 J	--- U	1.0 J	--- U	01/28/08	CMF	EPA200.8
Selenium, ug/l	0.35	10.0	Missing	--- U	--- U	1.1 J	--- U	01/28/08	CMF	EPA200.8
Silver, ug/l	0.52	10.0	Missing	--- U	--- U	--- U	--- U	01/28/08	CMF	EPA200.8
Thallium, ug/l	0.07	5.0	Missing	0.1 J	--- U	--- U	--- U	01/28/08	CMF	EPA200.8
Vanadium, ug/l	0.42	25.0	Missing	21.1 J	0.9 J	0.7 J	0.9 J	01/28/08	CMF	EPA200.8
Zinc, ug/l	0.20	10.0	Missing	12	--- U	1.6 J	0.8 J	01/28/08	CMF	EPA200.8
Conductivity (at 25c), uMhos	1.0	1.0	Missing	114	39	191	31	01/23/08	RJH	SM2510B
Temperature, °C			Missing	18	16	12	14	01/23/08	RJH	SM2550B
Static Water Level, feet				27.96	12.48	6.51	7.10	01/23/08	RJH	
Well Depth, feet				31.59	23.56	18.26	24.11	01/23/08	RJH	
8260 (duplicate)			Missing					/ /		

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

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

ID#: 6053

LENOIR CO. LANDFILL (NEW)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON ,NC 28502

DATE COLLECTED: 01/23/08
DATE REPORTED : 02/07/08

REVIEWED BY:

PARAMETERS	MDL	SWSL	MW-17	MW-18	Piezometer #22	Pizeometer #1-4	Piezometer #1-14	Analysis Date	Analyst	Method Code
PH (field measurement), Units			4.2	4.7				01/23/08	RJH	SM4500HB
Antimony, ug/l	0.05	6.0	0.2 J					01/28/08	CMF	EPA200.8
Antimony, ug/l	0.05	6.0		0.1 J				02/04/08	LFJ	EPA200.8
Arsenic, ug/l	0.47	10.0	4.5 J					01/28/08	CMF	EPA200.8
Arsenic, ug/l	0.47	10.0		--- U				02/04/08	LFJ	EPA200.8
Barium, ug/l	0.04	100.0	123					01/28/08	CMF	EPA200.8
Barium, ug/l	0.04	100.0		32.3 J				02/04/08	LFJ	EPA200.8
Beryllium, ug/l	0.08	1.0	0.6 J					01/28/08	CMF	EPA200.8
Beryllium, ug/l	0.08	1.0		0.1 J				02/04/08	LFJ	EPA200.8
Cadmium, ug/l	0.06	1.0	0.1 J					01/28/08	CMF	EPA200.8
Cadmium, ug/l	0.06	1.0		0.1 J				02/04/08	LFJ	EPA200.8
Cobalt, ug/l	0.41	10.0	1.8 J					01/28/08	CMF	EPA200.8
Cobalt, ug/l	0.41	10.0		0.6 J				02/04/08	LFJ	EPA200.8
Copper, ug/l	0.20	10.0	1.5 J					01/28/08	CMF	EPA200.8
Copper, ug/l	0.20	10.0		0.4 J				02/04/08	LFJ	EPA200.8
Total Chromium, ug/l	0.24	10.0	6.9 J					01/28/08	CMF	EPA200.8
Total Chromium, ug/l	0.24	10.0		0.4 J				02/04/08	LFJ	EPA200.8
Lead, ug/l	0.07	10.0	6.8 J					01/28/08	CMF	EPA200.8
Lead, ug/l	0.07	10.0		0.8 J				02/04/08	LFJ	EPA200.8
Nickel, ug/l	0.66	50.0	1.6 J					01/28/08	CMF	EPA200.8
Nickel, ug/l	0.66	50.0		--- U				02/04/08	LFJ	EPA200.8
Selenium, ug/l	0.35	10.0	0.4 J					01/28/08	CMF	EPA200.8
Selenium, ug/l	0.35	10.0		--- U				02/04/08	LFJ	EPA200.8
Silver, ug/l	0.52	10.0	--- U					01/28/08	CMF	EPA200.8
Silver, ug/l	0.52	10.0		--- U				02/04/08	LFJ	EPA200.8
Thallium, ug/l	0.07	5.0	--- U					01/28/08	CMF	EPA200.8
Thallium, ug/l	0.07	5.0		0.2 J				02/04/08	LFJ	EPA200.8
Vanadium, ug/l	0.42	25.0	15.3 J					01/28/08	CMF	EPA200.8
Vanadium, ug/l	0.42	25.0		1.4 J				02/04/08	LFJ	EPA200.8
Zinc, ug/l	0.20	10.0	8.5 J					01/28/08	CMF	EPA200.8
Zinc, ug/l	0.20	10.0		3.6 J				02/04/08	LFJ	EPA200.8
Conductivity (at 25c), uMhos	1.0	1.0	178	48				01/23/08	RJH	SM2510B
Temperature, °C			17	17				01/23/08	RJH	SM2550B
Static Water Level, feet			27.06	28.54	30.62	5.62	5.80	01/23/08	RJH	
Well Depth, feet			30.91	33.99				01/23/08	RJH	

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

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

ID#: 6053

LENOIR CO. LANDFILL (NEW)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON ,NC 28502

DATE COLLECTED: 01/23/08
DATE REPORTED : 02/07/08

REVIEWED BY:

PARAMETERS	MDL	SWSL	Piezometer #14	Piezometer #3A	Pizeometer #16	Piezometer #17	Analysis Date	Analyst	Method Code
Static Water Level, feet			12.16	16.71	Missing	13.42	01/23/08	RJH	

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

PHONE (252) 756-6208
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CLIENT: LENOIR CO. LANDFILL (NEW)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON, NC 28502

CLIENT ID: 6053

ANALYST: MAO
DATE COLLECTED: 01/23/08
DATE REPORTED: 02/07/08

Page: 1

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	Date Analyzed: MDL	SWSL	01/28/08 MW-13	01/28/08 MW-14	01/28/08 MW-15	01/28/08 MW-16	01/28/08 MW-17
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	1.30 J	1.30 J	--- 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	5.0	--- 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	--- U	1.00 J	1.00 J	1.00 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	--- 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, 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

CLIENT: LENOIR CO. LANDFILL (NEW)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON, NC 28502

CLIENT ID: 6053

ANALYST: MAO
DATE COLLECTED: 01/23/08
DATE REPORTED: 02/07/08

REVIEWED BY: _____

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	Date Analyzed: MDL	SWSL	01/31/08 MW-18
1. Chloromethane	0.18	1.0	--- U
2. Vinyl Chloride	0.34	1.0	--- U
3. Bromomethane	0.26	10.0	--- U
4. Chloroethane	0.29	10.0	--- U
5. Trichlorofluoromethane	0.13	1.0	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U
7. Acetone	1.21	100.0	--- U
8. Iodomethane	0.12	10.0	--- U
9. Carbon Disulfide	0.14	100.0	--- U
10. Methylene Chloride	0.14	1.0	--- U
11. trans-1,2-Dichloroethene	0.13	5.0	--- U
12. 1,1-Dichloroethane	0.16	5.0	--- U
13. Vinyl Acetate	0.20	5.0	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	--- U
15. 2-Butanone	0.85	100.0	--- U
16. Bromochloromethane	0.11	3.0	--- U
17. Chloroform	0.13	5.0	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U
20. Benzene	0.16	1.0	--- U
21. 1,2-Dichloroethane	0.12	1.0	--- U
22. Trichloroethene	0.13	1.0	--- U
23. 1,2-Dichloropropane	0.17	1.0	--- U
24. Bromodichloromethane	0.13	1.0	--- U
25. Cis-1,3-Dichloropropene	0.17	1.0	--- U
26. 4-Methyl-2-Pentanone	0.68	100.0	--- U
27. Toluene	0.13	1.0	--- U
28. trans-1,3-Dichloropropene	0.14	1.0	--- U
29. 1,1,2-Trichloroethane	0.20	1.0	--- U
30. Tetrachloroethene	0.16	1.0	--- U
31. 2-Hexanone	1.00	50.0	--- U
32. Dibromochloromethane	0.14	3.0	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U
34. Chlorobenzene	0.13	3.0	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U
36. Ethylbenzene	0.16	1.0	--- U
37. Xylenes	0.48	5.0	--- U
38. Dibromomethane	0.17	10.0	--- U
39. Styrene	0.16	1.0	--- U
40. Bromoform	0.11	3.0	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.0	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	--- U
44. 1,2-Dichlorobenzene	0.13	5.0	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	--- U
46. Acrylonitrile	1.49	200.0	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- 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

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

ID#: 6053 A

LENOIR CO. LANDFILL (NEW)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON ,NC 28502

DATE COLLECTED: 01/23/08
DATE REPORTED : 02/29/08

REVIEWED BY:

PARAMETERS	MDL	SWSL	Leachate	Analysis Date	Analyst	Method Code
PH (field measurement), Units			7.9	01/23/08	RJH	SM4500HB
BOD, mg/l	2.0	2.0	29	01/23/08	TRB	SM5210B
COD, mg/l	10.0	10.0	481	01/25/08	TRB	HACH8000
Total Suspended Residue, mg/l	1.0	1.0	78	01/23/08	MRJ	SM2540D
Ammonia Nitrogen, mg/l	0.04	0.04	98.90	01/24/08	SSR	EPA350.1
Total Kjeldahl Nitrogen, mg/l			136	01/28/08	TWA	EPA351.2
Nitrate Nitrogen, mg/l	0.03	10.0	--- U	01/25/08	TWA	EPA353.2
Total Phosphorus, mg/l	0.04	0.04	0.08	01/28/08	SSR	EPA365.4
Cyanide, ug/l	5.0	10.0	--- U	01/24/08	SEJ	SM4500 CN-E
Sulfate, mg/l	5.0	250.0	--- U	01/28/08	TRB	SM4500-SO4E
Arsenic, ug/l	0.07	10.0	4.8 J	02/04/08	LFJ	EPA200.8
Cadmium, ug/l	0.04	1.0	--- U	02/04/08	LFJ	EPA200.8
Copper, ug/l	0.05	10.0	7.0 J	02/04/08	LFJ	EPA200.8
Total Chromium, ug/l	0.11	10.0	1.7 J	02/04/08	LFJ	EPA200.8
Lead, ug/l	0.04	10.0	0.7 J	02/04/08	LFJ	EPA200.8
Mercury, ug/l	0.01	0.20	--- U	02/04/08	LFJ	EPA200.8
Molybdenum, ug/l	0.24	10	--- U	02/06/08	LFJ	EPA200.7
Nickel, ug/l	1.35	50.0	14.7 J	02/04/08	LFJ	EPA200.8
Selenium, ug/l	0.14	10.0	5.3 J	02/04/08	LFJ	EPA200.8
Silver, ug/l	0.04	10.0	--- U	02/04/08	LFJ	EPA200.8
Zinc, ug/l	1.86	10.0	14	02/04/08	LFJ	EPA200.8

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

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

CLIENT: LENOIR CO. LANDFILL (NEW)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON, NC 28502

CLIENT ID: 6053 A

ANALYST: MAO
DATE COLLECTED: 01/23/08
DATE ANALYZED: 01/31/08
DATE REPORTED: 02/29/08

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	Leachate
1. Chloromethane	0.18	1.0	--- U
2. Vinyl Chloride	0.34	1.0	--- U
3. Bromomethane	0.26	10.0	--- U
4. Chloroethane	0.29	10.0	--- U
5. Trichlorofluoromethane	0.13	1.0	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U
7. Acetone	1.21	100.0	12.30 J
8. Iodomethane	0.12	10.0	--- U
9. Carbon Disulfide	0.14	100.0	--- U
10. Methylene Chloride	0.14	1.0	--- U
11. trans-1,2-Dichloroethene	0.13	5.0	--- U
12. 1,1-Dichloroethane	0.16	5.0	--- U
13. Vinyl Acetate	0.20	5.0	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	--- U
15. 2-Butanone	0.85	100.0	3.00 J
16. Bromochloromethane	0.11	3.0	--- U
17. Chloroform	0.13	5.0	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U
20. Benzene	0.16	1.0	0.50 J
21. 1,2-Dichloroethane	0.12	1.0	--- U
22. Trichloroethene	0.13	1.0	--- U
23. 1,2-Dichloropropane	0.17	1.0	--- U
24. Bromodichloromethane	0.13	1.0	--- U
25. Cis-1,3-Dichloropropene	0.17	1.0	--- U
26. 4-Methyl-2-Pentanone	0.68	100.0	1.10 J
27. Toluene	0.13	1.0	0.20 J
28. trans-1,3-Dichloropropene	0.14	1.0	--- U
29. 1,1,2-Trichloroethane	0.20	1.0	--- U
30. Tetrachloroethene	0.16	1.0	--- U
31. 2-Hexanone	1.00	50.0	--- U
32. Dibromochloromethane	0.14	3.0	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U
34. Chlorobenzene	0.13	3.0	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U
36. Ethylbenzene	0.16	1.0	--- U
37. Xylenes	0.48	5.0	--- U
38. Dibromomethane	0.17	10.0	--- U
39. Styrene	0.16	1.0	--- U
40. Bromoform	0.11	3.0	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.0	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	--- U
44. 1,2-Dichlorobenzene	0.13	5.0	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	--- U
46. Acrylonitrile	1.49	200.0	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- 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

Page 1 of 2

CLIENT: 6053 A **Week: 3**

LENOIR CO. LANDFILL (NEW)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON NC 28502

(252) 566-5408

DISINFECTION: ☐ CHLORINE ☐ UV ☐ NONE ☐ _____

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Field pH	BOD	COD	TSR	Ammonia Nitro.	TKN	Nitrate	T. Phosphorus	Cyanide	Sulfate	Metals	EPA 625	625 Duplicate 1	625 Duplicate 2	EPA 8260B	8260 Dup. 1
CHLORINE NEUTRALIZED AT COLLECTION																					
pH CHECK (LAB)								<2		<2	<2		<2	>12		<2				<2	<2
CONTAINER TYPE, P/G						P	P	P	P	P	P	P	P	P	P	P	G	G	G	G	G
CHEMICAL PRESERVATION						A	A	C	A	C	C	A	C	D	A	A	A	A	A	E	E
Leachate	01/23/08	1030		1	16	G	C	C	C	C	C	C	C	C	C	C	C	C	C	G	C

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 (circled) N

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

SAMPLES RECEIVED IN LAB AT 1.4 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob H Page	01/23/08 1:15	Anthony [illegible]	1/23/08 1:15
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:

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

№ 158647

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: 6053 A **Week: 3**

LENOIR CO. LANDFILL (NEW)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON NC 28502

(252) 566-5408

DISINFECTION
- [ ] CHLORINE
- [ ] UV
- [ ] NONE
- [ ] _____

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	8260 Dup. 2
Leachate	01 23 08	1030		1	16	G

CHLORINE NEUTRALIZED AT COLLECTION	
pH CHECK (LAB)	<2
CONTAINER TYPE, P/G	G
CHEMICAL PRESERVATION	E

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
- [X] SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY
Y N

SAMPLES COLLECTED BY: (Please Print) H Jagoe Fax

SAMPLES RECEIVED IN LAB AT 1.4 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob H Jagoe	01 23 08 1:15	Anthe Pack	1/23/08 1:15
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:

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

FORM #5

№ 158646

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#: 6009 A

LENOIR CO. LANDFILL (OLD)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON ,NC 28502

DATE COLLECTED: 01/23/08
DATE REPORTED : 02/11/08

REVIEWED BY:

PARAMETERS	MDL	SWSL	Trip Blank	Equipment Blank	Analysis Date	Analyst	Method Code
Antimony, ug/l	0.05	6.0		0.1 J	01/28/08	CMF	EPA200.8
Arsenic, ug/l	0.47	10.0		--- U	01/28/08	CMF	EPA200.8
Barium, ug/l	0.04	100.0		7.3 J	01/28/08	CMF	EPA200.8
Beryllium, ug/l	0.08	1.0		--- U	01/28/08	CMF	EPA200.8
Cadmium, ug/l	0.06	1.0		--- U	01/28/08	CMF	EPA200.8
Cobalt, ug/l	0.41	10.0		--- U	01/28/08	CMF	EPA200.8
Copper, ug/l	0.20	10.0		0.3 J	01/28/08	CMF	EPA200.8
Total Chromium, ug/l	0.24	10.0		--- U	01/28/08	CMF	EPA200.8
Iron, ug/l	12.0	300.0		57 J	02/08/08	ADD	SM3111B
Manganese, ug/l	0.50	50.0		0.77 J	02/06/08	LFJ	EPA200.7
Lead, ug/l	0.07	10.0		--- U	01/28/08	CMF	EPA200.8
Mercury, ug/l	0.13	0.20		--- U	01/28/08	CMF	EPA200.8
Nickel, ug/l	1.35	50.0		--- U	01/28/08	CMF	EPA200.8
Selenium, ug/l	0.35	10.0		--- U	01/28/08	CMF	EPA200.8
Silver, ug/l	0.52	10.0		--- U	01/28/08	CMF	EPA200.8
Thallium, ug/l	0.07	5.0		--- U	01/28/08	CMF	EPA200.8
Vanadium, ug/l	1.21	25.0		--- U	01/28/08	CMF	EPA200.8
Zinc, ug/l	1.86	10.0		--- U	01/28/08	CMF	EPA200.8

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: LENOIR CO. LANDFILL (OLD)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON, NC 28502

CLIENT ID: 6009 A

ANALYST: MAO
DATE COLLECTED: 01/23/08
DATE ANALYZED: 01/24/08
DATE REPORTED: 02/11/08

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	Trip Blank	Equipment Blank
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	--- U	--- U
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	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	--- 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	--- 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	--- 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
48. Acrolein	5.46	50.0	--- U	--- U

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

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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GREENVILLE, N.C. 27835-7085

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CLIENT: LENOIR CO. LANDFILL (OLD)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON, NC 28502

CLIENT ID: 6009 A

ANALYST: MAO
DATE COLLECTED: 01/23/08
DATE ANALYZED: 01/24/08
DATE REPORTED: 02/11/08

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	Trip Blank	Equipment Blank
49. Allyl Chloride	0.17	10.0	--- U	--- U
50. Chloroprene	0.16	20.0	--- U	--- U
51. 1,3-Dichlorobenzene	0.13	5.0	--- U	--- U
52. Dichlorodifluoromethane	0.16	5.0	--- U	--- U
53. 1,3-Dichloropropane	0.12	1.0	--- U	--- U
54. 2,2-Dichloropropane	0.18	15.0	--- U	--- U
55. 1,1-Dichloropropene	0.13	5.0	--- U	--- U
56. Ethyl Methacrylate	0.14	10.0	--- U	--- U
57. Hexachlorobutadiene	0.22	10.0	--- U	--- U
58. Isobutyl Alcohol	5.23	100.0	--- U	--- U
59. Methacrylonitrile	1.64	100.0	--- U	--- U
60. Methyl Methacrylate	0.10	30.0	--- U	--- U
61. Naphthalene	0.13	10.0	--- U	--- U
62. Propionitrile	1.60	150.0	--- U	--- U
63. 1,2,4-Trichlorobenzene	0.11	10.0	--- U	--- U
64. Acetonitrile	5.96	50.0	--- U	8.80 J

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