Groundwater Sampling Report and Statistical Analysis

Prepared for

Lenoir County Subtitle D Lined Landfill
LaGrange, North Carolina

July, 2007

Permit Number: 54-09
MESCO Project Number: G07030.0

Completed on September 18, 2007

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.

September 18, 2007

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. G07030.0

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 July 31, 2007 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) 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. All of the detected constituents were compared with NCGW2L Standards for regulatory exceedance. The results are shown in the enclosed tables titled "Detection Scan". Very few constituents continue to be detected with surface water SW-3 containing the only parameters in concentrations above the Standard. Downgradient well MW-15 was found to contain low levels of toluene during the last routine and subsequent confirmation event but was absent during this event.

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 the parameters found above the Standard within SW-3.

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

It appears as though the precautions the operator has taken and/or the drought conditions have decreased the stormwater runoff that may have previously contributed to low levels of toluene appearing within MW-15. The surface water SW-3 location is a low lying portion of a wetland that is stagnant and seldom if ever flows. The standing water in this wetland is highly turbid and has decreased in volume which likely attributed to the increase in total metal concentrations.

The Subtitle D Lined Landfill will continue detection monitoring with the next semi-annual sampling event scheduled for January 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	07/31/2007	105	ug/l	100	0.04	2000	
SW-3	Beryllium	07/31/2007	1	ug/l	1	0.08		
SW-3	Nickel	07/31/2007	10.2	ug/l	10	0.66	100	
SW-3	**Cadmium**	**07/31/2007**	**3**	**ug/l**	1	**0.06**	**1.75**	**1.25**
SW-3	Copper	07/31/2007	14	ug/l	10	0.20	1000	
SW-3	Arsenic	07/31/2007	19	ug/l	10	0.47	50	
SW-3	Chromium	07/31/2007	36	ug/l	10	0.24	50	
SW-3	Zinc	07/31/2007	56	ug/l	10	0.20	1050	
SW-3	Vanadium	07/31/2007	86	ug/l	25	0.42		
SW-3	**Lead**	**07/31/2007**	**84**	**ug/l**	10	**0.07**	**15**	**69**
SW-3	Barium	07/31/2007	346	ug/l	100	0.04	2000	

[1] Table contains all constituents detected above SWSL & NCGW2L Standard
[2] SWSL = Solid Waste Section Limit (Current as of sampling date)
[3] NCGW2L = North Carolina Ground Water 2L Standard
[4] MDL = Method Detection Limit
NE=Not Established

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	Barium	07/31/2007	105	ug/l	100	0.04	2000	
MW-13	Beryllium	07/31/2007	0.3	ug/l	1	0.08		
MW-13	Cadmium	07/31/2007	0.2	ug/l	1	0.06	1.75	
MW-13	Chromium	07/31/2007	1.6	ug/l	10	0.24	50	
MW-13	Cobalt	07/31/2007	2.2	ug/l	10	0.41		
MW-13	Copper	07/31/2007	1.2	ug/l	10	0.20	1000	
MW-13	Lead	07/31/2007	1	ug/l	10	0.07	15	
MW-13	Nickel	07/31/2007	3.7	ug/l	10	0.66	100	
MW-13	Vanadium	07/31/2007	3.4	ug/l	25	0.42		
MW-13	Zinc	07/31/2007	8.6	ug/l	10	0.20	1050	
MW-14	2-Butanone	07/31/2007	2.3	ug/l	100	0.85	4200	
MW-14	Acetone	07/31/2007	1.4	ug/l	100	1.21	700	
MW-14	Barium	07/31/2007	17.1	ug/l	100	0.04	2000	
MW-14	Lead	07/31/2007	0.2	ug/l	10	0.07	15	
MW-14	Zinc	07/31/2007	1.8	ug/l	10	0.20	1050	
MW-15	2-Butanone	07/31/2007	1.8	ug/l	100	0.85	4200	
MW-15	Acetone	07/31/2007	1.6	ug/l	100	1.21	700	
MW-15	Arsenic	07/31/2007	0.6	ug/l	10	0.47	50	
MW-15	Barium	07/31/2007	39	ug/l	100	0.04	2000	
MW-15	Cobalt	07/31/2007	0.9	ug/l	10	0.41		
MW-15	Copper	07/31/2007	0.4	ug/l	10	0.20	1000	
MW-15	Lead	07/31/2007	0.1	ug/l	10	0.07	15	
MW-15	Zinc	07/31/2007	1.8	ug/l	10	0.20	1050	
MW-16	2-Butanone	07/31/2007	2.4	ug/l	100	0.85	4200	
MW-16	Acetone	07/31/2007	2	ug/l	100	1.21	700	
MW-16	Barium	07/31/2007	9.4	ug/l	100	0.04	2000	
MW-16	Cadmium	07/31/2007	0.2	ug/l	1	0.06	1.75	
MW-16	Lead	07/31/2007	0.1	ug/l	10	0.07	15	
MW-16	Zinc	07/31/2007	1.9	ug/l	10	0.20	1050	
MW-17	2-Butanone	07/31/2007	2.3	ug/l	100	0.85	4200	
MW-17	Acetone	07/31/2007	1.5	ug/l	100	1.21	700	
MW-17	Barium	07/31/2007	98.1	ug/l	100	0.04	2000	
MW-17	Beryllium	07/31/2007	0.2	ug/l	1	0.08		
MW-17	Chromium	07/31/2007	0.7	ug/l	10	0.24	50	
MW-17	Cobalt	07/31/2007	1.2	ug/l	10	0.41		
MW-17	Copper	07/31/2007	0.3	ug/l	10	0.20	1000	
MW-17	Lead	07/31/2007	2.3	ug/l	10	0.07	15	
MW-17	Nickel	07/31/2007	0.9	ug/l	10	0.66	100	
MW-17	Vanadium	07/31/2007	1.5	ug/l	25	0.42		
MW-17	Zinc	07/31/2007	3.2	ug/l	10	0.20	1050	
MW-18	2-Butanone	07/31/2007	2.2	ug/l	100	0.85	4200	
MW-18	Acetone	07/31/2007	1.5	ug/l	100	1.21	700	
MW-18	Antimony	07/31/2007	0.1	ug/l	6	0.05		
MW-18	Barium	07/31/2007	14.7	ug/l	100	0.04	2000	
MW-18	Chromium	07/31/2007	0.3	ug/l	10	0.24	50	
MW-18	Copper	07/31/2007	0.6	ug/l	10	0.20	1000	
MW-18	Lead	07/31/2007	0.4	ug/l	10	0.07	15	
MW-18	Vanadium	07/31/2007	0.9	ug/l	25	0.42		
MW-18	Zinc	07/31/2007	2.7	ug/l	10	0.20	1050	
SW-3	2-Butanone	07/31/2007	2.8	ug/l	100	0.85	4200	

Well ID	Parameter Name[1]	Sample Date	Result	Unit	SWSL [2]	MDL[4]	NCGW2L[3]	Exceedance
SW-3	Acetone	07/31/2007	4.2	ug/l	100	1.21	700	
SW-3	Antimony	07/31/2007	0.2	ug/l	6	0.05		
SW-3	Arsenic	07/31/2007	19	ug/l	10	0.47	50	
SW-3	Barium	07/31/2007	346	ug/l	100	0.04	2000	
SW-3	Beryllium	07/31/2007	1	ug/l	1	0.08		
SW-3	**Cadmium**	**07/31/2007**	**3**	**ug/l**	1	**0.06**	**1.75**	**1.25**
SW-3	Chloromethane	07/31/2007	0.2	ug/l	1	0.18		
SW-3	Chromium	07/31/2007	36	ug/l	10	0.24	50	
SW-3	Cobalt	07/31/2007	3	ug/l	10	0.41		
SW-3	Copper	07/31/2007	14	ug/l	10	0.20	1000	
SW-3	**Lead**	**07/31/2007**	**84**	**ug/l**	10	**0.07**	**15**	**69**
SW-3	Nickel	07/31/2007	10.2	ug/l	10	0.66	100	
SW-3	Selenium	07/31/2007	3	ug/l	10	0.35	50	
SW-3	Thallium	07/31/2007	0.3	ug/l	5.5	0.07		
SW-3	Toluene	07/31/2007	0.2	ug/l	1	0.13	1000	
SW-3	Vanadium	07/31/2007	86	ug/l	25	0.42		
SW-3	Zinc	07/31/2007	56	ug/l	10	0.20	1050	
LAGOON	1,2-Dichloroethane	07/31/2007	0.2	ug/l	1	0.12	0.38	
LAGOON	2-Butanone	07/31/2007	0.9	ug/l	100	0.85	4200	
LAGOON	Acetone	07/31/2007	5.4	ug/l	100	1.21	700	
LAGOON	Arsenic	07/31/2007	1.9	ug/l	10	0.47	50	
LAGOON	Chromium	07/31/2007	0.7	ug/l	10	0.24	50	
LAGOON	Copper	07/31/2007	3.9	ug/l	10	0.20	1000	
LAGOON	Lead	07/31/2007	0.1	ug/l	10	0.07	15	
LAGOON	Nickel	07/31/2007	9.1	ug/l	10	0.66	100	
LAGOON	Nitrate Nitrogen	07/31/2007	0.64	ug/l	NE	0.03		
LAGOON	Selenium	07/31/2007	1.5	ug/l	10	0.35	50	
LAGOON	Xylenes	07/31/2007	0.8	ug/l	4	0.48	530	
LAGOON	Zinc	07/31/2007	4.8	ug/l	10	0.20	1050	

[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

NE=Not Established

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	4.1	N62E	24.59	83.22
MW-14	3.38E-03	23%	0.02	326.9	N63E	11.55	63.26
MW-15	2.89E-03	22%	0.02	228.3	N72E	6.61	65.03
MW-16	9.72E-04	23%	0.10	421.7	N79E	6.89	69.47
MW-17	1.13E-03	23%	0.010	50.1	N75E	23.52	77.54
MW-18	1.25E-04	23%	0.009	5.1	N67E	24.68	82.06

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 July 31, 2007.

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

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.

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

Constituent	Samples	NDs	% NDs
1,1,1,2-Tetrachloroethane	9	9	100.00
1,1,1-Trichloroethane	9	9	100.00
1,1,2,2-Tetrachloroethane	9	9	100.00
1,1,2-Trichloroethane	9	9	100.00
1,1-Dichloroethane	9	9	100.00
1,1-Dichloroethene	9	9	100.00
1,2,3-Trichloropropane	9	9	100.00
1,2-Dibromo-3-chloropropane	9	9	100.00
1,2-Dibromoethane	9	9	100.00
1,2-Dichlorobenzene	9	9	100.00
1,2-Dichloroethane	9	9	100.00
1,2-Dichloropropane	9	9	100.00
1,4-Dichlorobenzene	9	9	100.00
2-Butanone	9	9	100.00
2-Hexanone	9	9	100.00
4-Methyl-2-Pentanone	9	9	100.00
Acetone	9	9	100.00
Acrylonitrile	9	9	100.00
Benzene	9	9	100.00
Bromochloromethane	9	9	100.00
Bromodichloromethane	9	9	100.00
Bromoform	9	9	100.00
Bromomethane	9	9	100.00
Carbon disulfide	9	9	100.00
Carbon tetrachloride	9	9	100.00
Chlorobenzene	9	9	100.00
Chloroethane	9	9	100.00
Chloroform	9	9	100.00
Chloromethane	9	9	100.00
cis-1,2-Dichloroethene	9	9	100.00
cis-1,3-Dichloropropene	9	9	100.00
Chlorodibromomethane	9	9	100.00
Dibromomethane	9	9	100.00
Ethylbenzene	9	9	100.00
Iodomethane	9	9	100.00
Dichloromethane	9	9	100.00
Styrene	9	9	100.00
Tetrachloroethylene	9	9	100.00
Toluene	9	9	100.00
trans-1,2-Dichloroethene	9	9	100.00
trans-1,3-Dichloropropene	9	9	100.00
trans-1,4-Dichloro-2-butene	9	9	100.00
Trichloroethylene	9	9	100.00
Trichlorofluoromethane	9	9	100.00
Vinyl acetate	9	9	100.00
Vinyl chloride	9	9	100.00
Xylene	9	9	100.00
Total	**423**	**423**	**100.00**

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

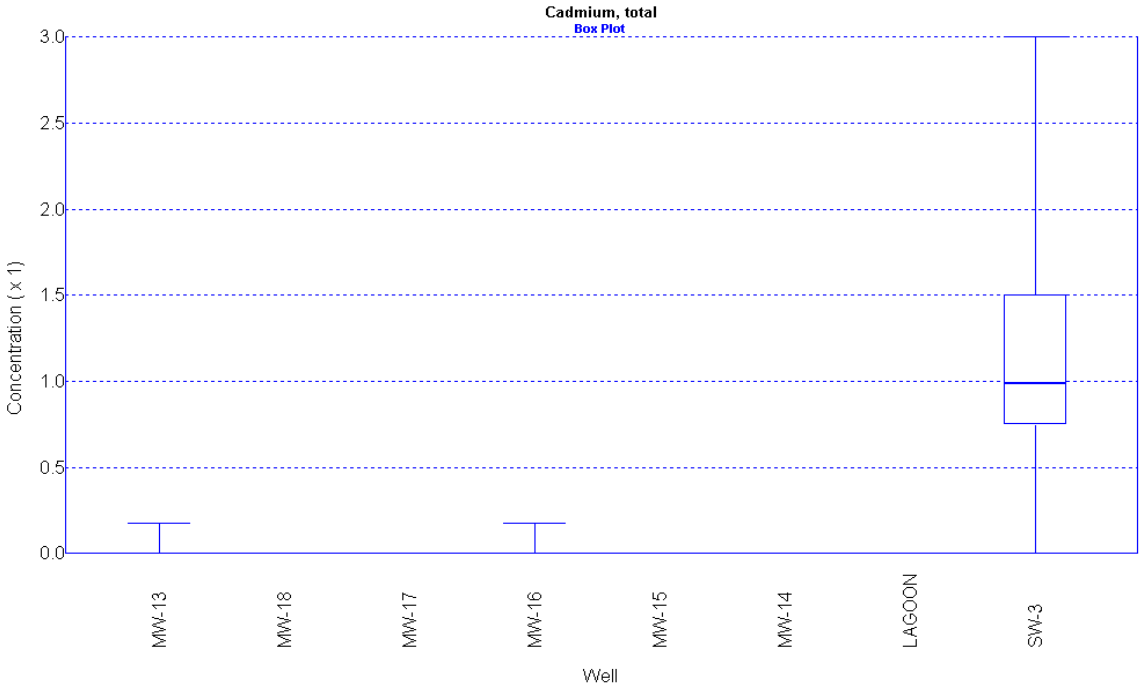
All detected VOCs (Background Well: MW-13)

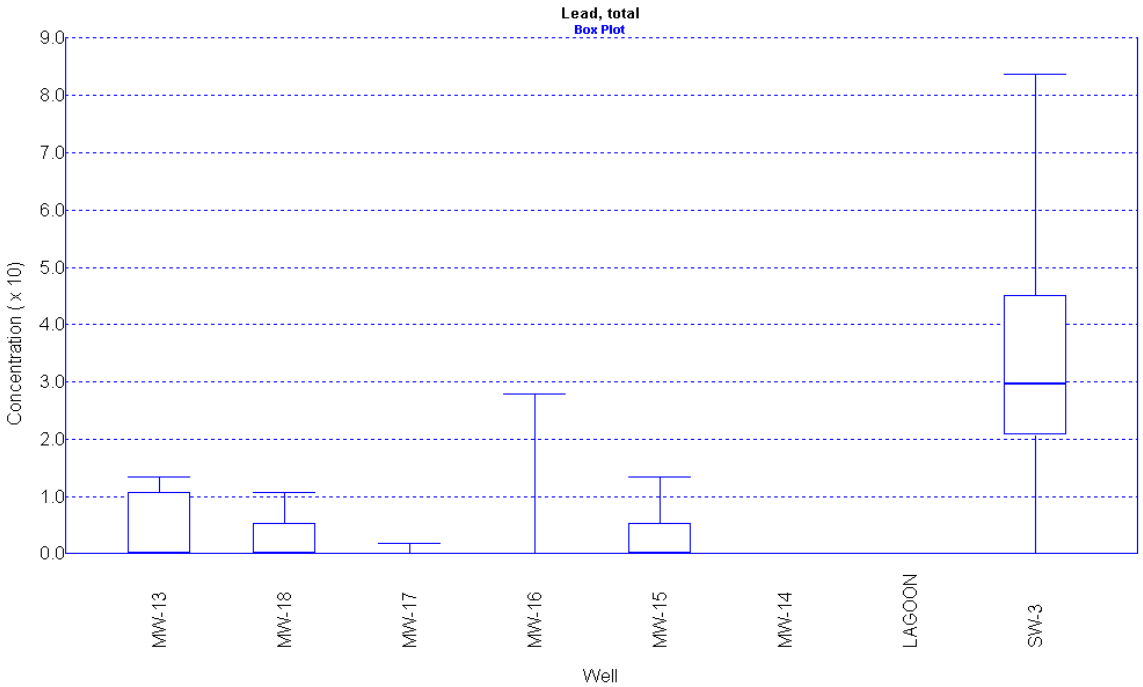
Constituent	None
None	-
Detection(s) per Scan	0.00

Total number of sampling events [n] =	9
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] =	2.93
Expected number of detections in a single future sample [y*] =	**0.9523**

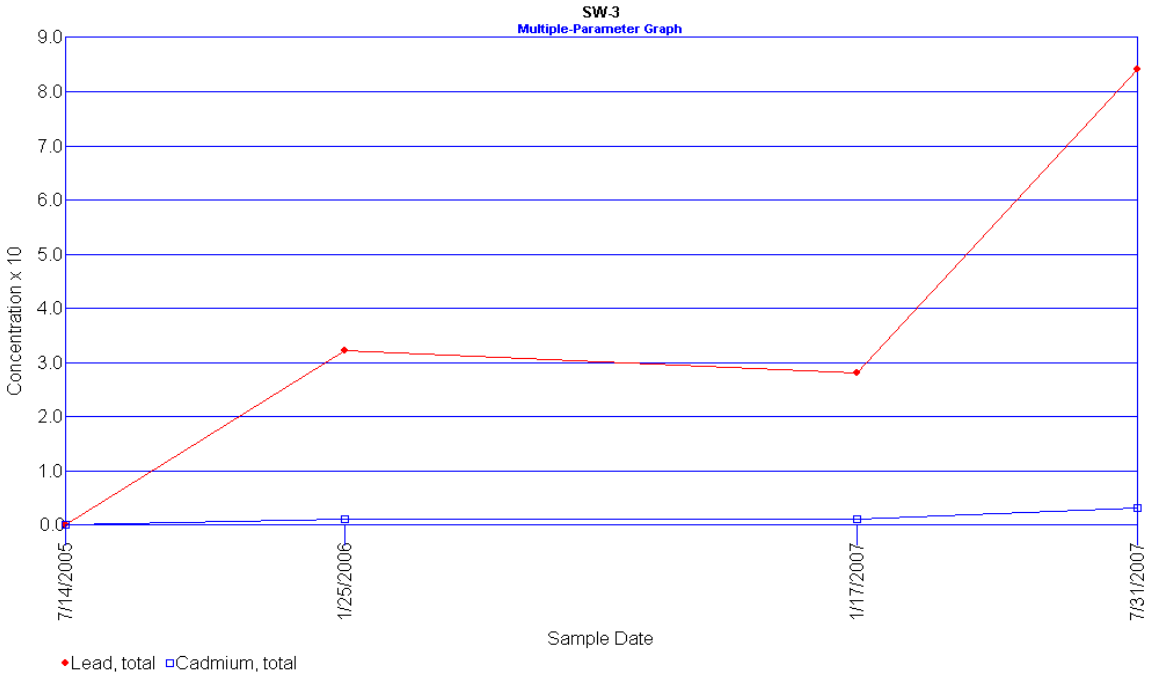
NO Statistically Significant VOC Detections at a 95% Confidence Level.

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





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

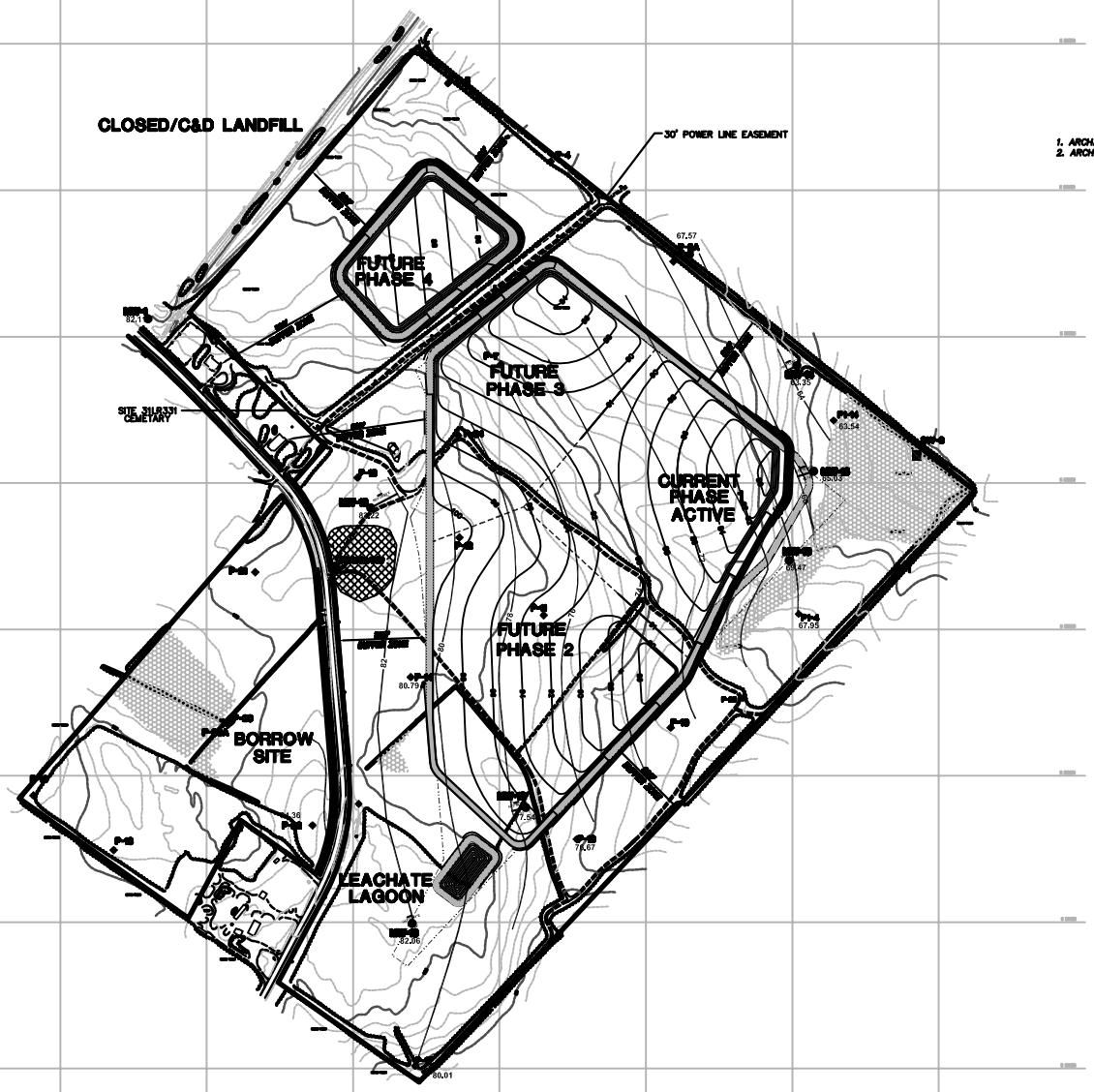


LEGEND

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

NOTE

Potentiometric map created based on water levels measured on 7/31/07



NOTES

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

Lenoir County Subtitle D Lined Landfill
July 31, 2007

WELL #	TOP OF PIPE ELEVATION (FT)	DEPTH TO WATER (FT)	WATER ELEVATION (FT)
MW-13	107.81	24.59	83.22
MW-14	74.81	11.55	63.26
MW-15	71.64	6.61	65.03
MW-16	76.36	6.89	69.47
MW-17	101.06	23.52	77.54
MW-18	106.74	24.68	82.06
P-3A	82.19	14.62	67.57
PI-4	78.80	10.85	67.95
PI-14	69.22	5.68	63.54
MW-1	98.34	16.23	82.11
P-14	104.07	23.28	80.79
P-16	93.82	17.15	76.67
P-17	90.57	10.56	80.01
P-22	110.40	26.03	84.37

Municipal Services Engineering Company, P.A.

SUBTITLE D LINED MSW LANDFILL FACILITY
LENOIR COUNTY
NORTH CAROLINA

DATE	BY	REV.	DESCRIPTION

SINGLE DAY POTENTIOMETRIC MAP

SCALE: 1"=200'
DATE: 8/8/2007
DRWN. BY: K. Yandle
DSGN. BY: K. Yandle
PROJECT NUMBER: 601018.0
DRAWING NO.
SHEET NO.

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#: 6009

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

DATE COLLECTED: 07/31/07
DATE REPORTED : 08/27/07

REVIEWED BY:

PARAMETERS	MDL	SWSL	Well #1	Well #3	Well #4	Well #6	Well #9	Analysis Date	Analyst	Method Code
PH (field measurement), Units			4.4	5.8	5.0	4.9	5.0	07/31/07	RJH	SM4500HB
Total Alkalinity, mg/l	1.0	1.0	--- U	92	1	--- U	1	07/31/07	TRB	SM2320B
Chloride, mg/l	5.0	5.0	8	60	5	--- U	6	08/01/07	MDM	SM4500-CLB
Cyanide, ug/l	5.0	10.0		--- U				08/07/07	SEJ	SM4500 CN-
Total Dissolved Residue, mg/l	1.0	1.0	60	99	60	42	64	08/01/07	TRB	SM2540C
Sulfate, mg/l	5.0	250.0	8.6 J	6.1 J	13.7 J	21.8 J	12.0 J	08/02/07	TRB	SM4500-SO4
Antimony, ug/l	0.05	6.0	--- U	--- U	0.1 J	0.2 J	--- U	08/03/07	CMF	EPA200.8
Arsenic, ug/l	0.47	10.0	--- U	0.7 J	4.0 J	--- U	0.5 J	08/03/07	CMF	EPA200.8
Barium, ug/l	0.34	100.0	20.6 J	79.3 J	42.6 J	36.6 J	37.0 J	08/03/07	CMF	EPA200.8
Beryllium, ug/l	0.17	1.0	0.1 J	--- U	--- U	--- U	--- U	08/03/07	CMF	EPA200.8
Cadmium, ug/l	0.06	1.0	--- U	--- U	--- U	0.1 J	--- U	08/03/07	CMF	EPA200.8
Cobalt, ug/l	2.53	10.0	0.8 J	--- U	0.9 J	--- U	4.7 J	08/03/07	CMF	EPA200.8
Copper, ug/l	2.24	10.0	0.4 J	--- U	0.5 J	0.4 J	0.3 J	08/03/07	CMF	EPA200.8
Total Chromium, ug/l	1.38	10.0	0.5 J	0.4 J	0.7 J	--- U	--- U	08/03/07	CMF	EPA200.8
Iron, ug/l	12.0	300.0	773	30800	3346	209 J	1711	08/24/07	ADD	SM3111B
Manganese, ug/l	0.50	50.0	12 J	34 J	74	34 J	241	08/15/07	LFJ	EPA200.7
Lead, ug/l	0.07	10.0	0.6 J	0.2 J	0.3 J	0.4 J	0.1 J	08/03/07	CMF	EPA200.8
Mercury, ug/l	0.13	0.20	--- U	0.04 J	--- U	--- U	0.11 J	08/03/07	CMF	EPA200.8
Nickel, ug/l	1.35	50.0	1.0 J	1.4 J	1.1 J	0.8 J	2.1 J	08/03/07	CMF	EPA200.8
Selenium, ug/l	0.35	10.0	--- U	--- U	--- U	0.7 J	--- U	08/03/07	CMF	EPA200.8
Silver, ug/l	2.32	10.0	--- U	--- U	--- U	--- U	--- U	08/03/07	CMF	EPA200.8
Thallium, ug/l	0.07	5.0	0.3 J	0.1 J	0.2 J	0.2 J	0.1 J	08/03/07	CMF	EPA200.8
Tin, ug/l	2.75	100.0		2.1 J				08/03/07	CMF	EPA200.8
Vanadium, ug/l	1.21	25.0	0.8 J	0.8 J	1.7 J	--- U	--- U	08/03/07	CMF	EPA200.8
Zinc, ug/l	1.86	10.0	4.8 J	59	4.1 J	2.7 J	7.5 J	08/03/07	CMF	EPA200.8
Sulfide, ug/l	100	1000		--- U				08/02/07	LFJ	SM4500-S2D
Conductivity (at 25c), uMhos	1.0	1.0	86	258	102	103	102	07/31/07	RJH	SM2510B
Temperature, °C			19	22	22	20	20	07/31/07	RJH	SM2550B
Static Water Level, feet			16.23	6.11	5.87	11.18	5.45	07/31/07	RJH	
Well Depth, feet			38.94	15.82	15.92	16.96	21.82	07/31/07	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#: 6009

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

DATE COLLECTED: 07/31/07
DATE REPORTED : 08/27/07

REVIEWED BY:

PARAMETERS	MDL	SWSL	Well #11	Well #12	SW-1	SW-2	Analysis Date	Analyst	Method Code
PH (field measurement), Units			5.3	4.9	6.3	6.9	07/31/07	RJH	SM4500HB
Total Alkalinity, mg/l	1.0	1.0	--- U	1			07/31/07	TRB	SM2320B
Chloride, mg/l	5.0	5.0	19	29			08/01/07	MDM	SM4500-CLB
Total Dissolved Residue, mg/l	1.0	1.0	43	85			08/01/07	TRB	SM2540C
Sulfate, mg/l	5.0	250.0	--- U	8.3 J			08/02/07	TRB	SM4500-SO4E
Antimony, ug/l	0.05	6.0	--- U	--- U	--- U	0.1 J	08/03/07	CMF	EPA200.8
Arsenic, ug/l	0.47	10.0	--- U	--- U	4.3 J	6.1 J	08/03/07	CMF	EPA200.8
Barium, ug/l	0.04	100.0	23.6 J	86.8 J	49.4 J	28.5 J	08/03/07	CMF	EPA200.8
Beryllium, ug/l	0.08	1.0	--- U	--- U	--- U	0.1 J	08/03/07	CMF	EPA200.8
Cadmium, ug/l	0.06	1.0	--- U	--- U	--- U	0.3 J	08/03/07	CMF	EPA200.8
Cobalt, ug/l	0.41	10.0	--- U	0.7 J	0.7 J	0.6 J	08/03/07	CMF	EPA200.8
Copper, ug/l	0.20	10.0	0.6 J	0.7 J	0.5 J	2.6 J	08/03/07	CMF	EPA200.8
Total Chromium, ug/l	0.24	10.0	0.3 J	--- U	0.5 J	5.6 J	08/03/07	CMF	EPA200.8
Iron, ug/l	12.0	300.0	879	258 J			08/24/07	ADD	SM3111B
Manganese, ug/l	0.50	50.0	14 J	7.3 J			08/15/07	LFJ	EPA200.7
Lead, ug/l	0.07	10.0	0.1 J	--- U	0.9 J	4.3 J	08/03/07	CMF	EPA200.8
Mercury, ug/l	0.13	0.20	--- U	1.16			08/03/07	CMF	EPA200.8
Nickel, ug/l	0.66	50.0	--- U	1.3 J	0.8 J	2.5 J	08/03/07	CMF	EPA200.8
Selenium, ug/l	0.35	10.0	--- U	0.8 J	--- U	--- U	08/03/07	CMF	EPA200.8
Silver, ug/l	0.52	10.0	--- U	--- U	--- U	--- U	08/03/07	CMF	EPA200.8
Thallium, ug/l	0.07	5.0	--- U	--- U	--- U	--- U	08/03/07	CMF	EPA200.8
Vanadium, ug/l	0.42	25.0	1.0 J	--- U	1.0 J	10.8 J	08/03/07	CMF	EPA200.8
Zinc, ug/l	0.20	10.0	3.5 J	2.6 J	3.6 J	9.6 J	08/03/07	CMF	EPA200.8
Conductivity (at 25c), uMhos	1.0	1.0	61	158	97	217	07/31/07	RJH	SM2510B
Temperature, °C			19	20	25	25	07/31/07	RJH	SM2550B
Static Water Level, feet			12.36	15.61			07/31/07	RJH	
Well Depth, feet			35.61	38.39			07/31/07	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

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

REVIEWED BY:

CLIENT ID: 6009

ANALYST: CHS
DATE COLLECTED: 07/31/07
DATE EXTRACTED: 08/02/07
DATE ANALYZED: 08/16/07
DATE REPORTED: 08/27/07

PESTICIDES AND PCB'S
EPA METHOD 8081A

PARAMETERS, ug/l	MDL	SWSL	Well #3
1. Aldrin	0.029	0.05	--- U
2. Alpha-BHC	0.032	0.05	--- U
3. Beta-BHC	0.031	0.05	--- U
4. Delta-BHC	0.030	0.05	--- U
5. Gamma-BHC (Lindane)	0.032	0.05	--- U
6. Chlordane	0.320	0.50	--- U
7. 4,4-DDD	0.051	0.10	--- U
8. 4,4-DDE	0.049	0.10	--- U
9. 4,4-DDT	0.052	0.10	--- U
10. Dieldrin	0.042	0.07	--- U
11. Endosulfan I	0.056	0.10	--- U
12. Endosulfan II	0.046	0.10	--- U
13. Endosulfan Sulfate	0.072	0.10	--- U
14. Endrin	0.053	0.10	--- U
15. Endrin Aldehyde	0.068	0.10	--- U
16. Heptachlor	0.039	0.05	--- U
17. Hepthchlor Epoxide	0.042	0.07	--- U
18. Methoxychlor	0.530	1.00	--- U
19. Pcb's (Aroclors)	0.500	2.00	--- U
20. Toxaphene	0.690	1.00	--- U

NOTE: Spike recovery for Well 3 was outside control limits due to sample matrix interference

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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COUNTY OF LENOIR
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P.O. BOX 756
KINSTON, NC 28502

REVIEWED BY:

CLIENT ID: 6009

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DATE EXTRACTED: 08/07/07
DATE ANALYZED: 08/08/07
DATE REPORTED: 08/27/07

LANDFILL APPENDIX II
EPA METHOD 8151A

PARAMETERS, ug/l	MDL	SWSL	Well #3
1. 2,4-D	0.36	2.0	--- U
2. Dinoseb	0.54	1.0	--- U
3. 2,4,5-TP	0.42	2.0	--- U
4. 2,4,5-T	0.47	2.0	--- U

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Environment 1, Incorporated

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P.O. BOX 7085, 114 OAKMONT DRIVE
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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

ANALYST: MAO
DATE COLLECTED: 07/31/07
DATE ANALYZED: 08/07/07
DATE REPORTED: 08/27/07

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	Well #1	Well #4	Well #6	Well #9	Well #11
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	1.40 J	2.80 J	1.50 J	--- 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	5.0	--- U	--- U	--- U	--- U	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	--- U	--- U	0.20 J	--- U	--- U
15. 2-Butanone	0.85	100.0	2.70 J	2.30 J	1.60 J	--- U	--- U
16. Bromochloromethane	0.11	3.0	--- U	--- U	--- U	--- U	--- U
17. Chloroform	0.13	5.0	--- U	--- U	--- U	--- U	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U	--- U	--- U	--- U	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U	--- U	--- U	--- U	--- U
20. Benzene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
21. 1,2-Dichloroethane	0.12	1.0	--- U	--- U	--- U	--- U	--- U
22. Trichloroethene	0.13	1.0	--- U	--- U	--- U	--- U	--- U
23. 1,2-Dichloropropane	0.17	1.0	--- U	--- U	--- U	--- U	0.40 J
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	0.30 J	0.40 J	0.20 J	--- U	--- U
28. trans-1,3-Dichloropropene	0.14	1.0	--- U	--- U	--- U	--- U	--- U
29. 1,1,2-Trichloroethane	0.20	5.0	--- U	--- U	--- U	--- U	--- U
30. Tetrachloroethene	0.16	1.0	--- U	--- U	0.30 J	--- U	--- U
31. 2-Hexanone	1.00	50.0	--- U	--- U	--- U	--- U	--- U
32. Dibromochloromethane	0.14	1.0	--- 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	4.0	--- 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	1.0	--- 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	1.0	--- 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 (OLD)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON, NC 28502

CLIENT ID: 6009

ANALYST: MAO
DATE COLLECTED: 07/31/07
DATE ANALYZED: 08/07/07
DATE REPORTED: 08/27/07

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	Well #12	SW-1	SW-2
1. Chloromethane	0.18	1.0	--- U	0.30 J	--- U
2. Vinyl Chloride	0.34	1.0	--- U	--- U	--- U
3. Bromomethane	0.26	10.0	--- U	--- U	--- U
4. Chloroethane	0.29	10.0	--- U	--- U	--- U
5. Trichlorofluoromethane	0.13	1.0	--- U	--- U	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U	--- U	--- U
7. Acetone	1.21	100.0	1.30 J	3.90 J	3.30 J
8. Iodomethane	0.12	10.0	--- U	--- U	--- U
9. Carbon Disulfide	0.14	100.0	--- U	--- U	--- U
10. Methylene Chloride	0.14	1.0	--- U	--- U	--- U
11. trans-1,2-Dichloroethene	0.13	5.0	--- U	--- U	--- U
12. 1,1-Dichloroethane	0.16	5.0	--- U	--- U	--- U
13. Vinyl Acetate	0.20	5.0	--- U	--- U	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	--- U	--- U	--- U
15. 2-Butanone	0.85	100.0	--- U	1.80 J	2.10 J
16. Bromochloromethane	0.11	3.0	--- U	--- U	--- U
17. Chloroform	0.13	5.0	--- U	--- U	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U	--- U	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U	--- U	--- U
20. Benzene	0.16	1.0	--- U	--- U	--- U
21. 1,2-Dichloroethane	0.12	1.0	--- U	--- U	--- U
22. Trichloroethene	0.13	1.0	--- U	--- U	--- U
23. 1,2-Dichloropropane	0.17	1.0	--- U	--- U	--- U
24. Bromodichloromethane	0.13	1.0	--- U	--- U	--- U
25. Cis-1,3-Dichloropropene	0.17	1.0	--- U	--- U	--- U
26. 4-Methyl-2-Pentanone	0.68	100.0	--- U	--- U	--- U
27. Toluene	0.13	1.0	0.30 J	0.40 J	0.40 J
28. trans-1,3-Dichloropropene	0.14	1.0	--- U	--- U	--- U
29. 1,1,2-Trichloroethane	0.20	5.0	--- U	--- U	--- U
30. Tetrachloroethene	0.16	1.0	--- U	--- U	--- U
31. 2-Hexanone	1.00	50.0	--- U	--- U	--- U
32. Dibromochloromethane	0.14	1.0	--- U	--- U	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U	--- U	--- U
34. Chlorobenzene	0.13	3.0	--- U	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U	--- U	--- U
36. Ethylbenzene	0.16	1.0	--- U	--- U	--- U
37. Xylenes	0.48	4.0	--- U	--- U	--- U
38. Dibromomethane	0.17	10.0	--- U	--- U	--- U
39. Styrene	0.16	1.0	--- U	--- U	--- U
40. Bromoform	0.11	3.0	--- U	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	1.0	--- U	--- U	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U	--- U	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	--- U	--- U	--- U
44. 1,2-Dichlorobenzene	0.13	5.0	--- U	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	1.0	--- U	--- U	--- U
46. Acrylonitrile	1.49	200.0	--- U	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- 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 (OLD)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON, NC 28502

REVIEWED BY:

CLIENT ID: 6009

ANALYST: CHS
DATE COLLECTED: 07/31/07
DATE EXTRACTED: 08/06/07
DATE ANALYZED: 08/15/07
DATE REPORTED: 08/27/07

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MDL	SWSL	Well #3
1. Acenaphthene	2.66	10.0	--- U
2. Acenaphthylene	2.60	10.0	--- U
3. Anthracene	2.97	10.0	--- U
4. Benzo[a]antrhacene	4.16	10.0	--- U
5. Benzo[b]fluoranthene	3.32	10.0	--- U
6. Benzo[k]fluoranthene	4.23	10.0	--- U
7. Benzo[g,h,i]perylene	2.61	10.0	--- U
8. Benzo[a]pyrene	3.27	10.0	--- U
9. 4-Bromophenyl Phenyl Ether	2.63	10.0	--- U
10. Butyl Benzyl Phthalate	5.78	10.0	--- U
11. Bis-(2-Chloroethoxy) Methane	3.14	10.0	--- U
12. Bis-(2-Chloroethyl) Ether	2.58	10.0	--- U
13. Bis-(2-Chloroisopropyl) Ether	2.58	10.0	--- U
14. 2-Chloronaphthalene	2.17	10.0	--- U
15. 4-Chlorophenyl Phenyl Ether	2.42	10.0	--- U
16. Chrysene	4.04	10.0	--- U
17. Dibenzo[a,h]anthracene	2.78	10.0	--- U
18. Di-N-Butyl Phthalate	3.09	10.0	--- U
19. Dimethyl Phthalate	3.78	10.0	--- U
20. Diethyl Phthalate	3.92	10.0	--- U
21. 2,4-Dinitrotoluene	3.95	10.0	--- U
22. 2,6-Dinitrotoluene	3.88	10.0	--- U
23. Di-N-Octyl Phthalate	2.81	10.0	--- U
24. Bis-(2-Ethylhexyl) Phthalate	9.97	15.0	--- U
25. Fluoranthene	3.92	10.0	--- U
26. Fluorene	2.95	10.0	--- U
27. Hexachlorobenzene	2.61	10.0	--- U
28. Hexachlorocyclopentadiene	4.16	10.0	--- U
29. Indeno[1,2,3-Cd]pyrene	2.91	10.0	--- U
30. Isophorone	3.74	10.0	--- U
31. Nitrobenzene	2.85	10.0	--- U
32. N-Nitrosodimethylamine	4.25	10.0	--- U
33. N-Nitrosodiphenylamine	3.95	10.0	--- U
34. N-Nitrosodi-N-Propylamine	4.06	10.0	--- U
35. Phenanthrene	3.24	10.0	--- U
36. Pyrene	3.63	10.0	--- U
37. 4-Chloro-3-Methylphenol	3.79	20.0	--- U
38. 2-Chlorophenol	2.75	10.0	--- U
39. O-Cresol	3.68	10.0	--- U
40. P-Cresol	4.12	10.0	--- U
41. 2,4-Dichlorophenol	5.19	10.0	--- U
42. 2,6-Dichlorophenol	4.89	10.0	--- U
43. 2,4-Dimethylphenol	3.21	10.0	--- U
44. 4,6-Dinitro-2-Methylphenol	4.77	50.0	--- U
45. 2,4-Dinitrophenol	4.37	50.0	--- U
46. Ethyl Methanesulfonate	5.26	10.0	--- U
47. Methyl Methanesulfonate	4.92	10.0	--- U
48. 2-Nitrophenol	3.64	10.0	--- U

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Drinking Water ID: 37715
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P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON, NC 28502

REVIEWED BY:

CLIENT ID: 6009

ANALYST: CHS
DATE COLLECTED: 07/31/07
DATE EXTRACTED: 08/06/07
DATE ANALYZED: 08/15/07
DATE REPORTED: 08/27/07

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MDL	SWSL	Well #3
49. 4-Nitrophenol	3.17	50.0	--- U
50. Pentachlorophenol	5.33	25.0	--- U
51. Phenol	1.86	10.0	--- U
52. 2,3,4,6-Tetrachlorophenol	3.12	10.0	--- U
53. 2,4,5-Trichlorophenol	4.17	10.0	--- U
54. 2,4,6-Trichlorophenol	3.84	10.0	--- U
55. Acetophenone	2.89	10.0	--- U
56. 2-Acetylaminofluorene	3.98	20.0	--- U
57. 4-Aminobiphenyl	4.12	15.0	--- U
58. Benzyl Alcohol	4.47	20.0	--- U
59. 4-Chloroaniline	3.36	20.0	--- U
60. Chlorobenzilate	5.12	10.0	--- U
61. Diallate	2.98	10.0	--- U
62. Dibenzofuran	4.28	10.0	--- U
63. 3,3-Dichlorobenzidine	4.22	20.0	--- U
64. Dimethoate	3.98	20.0	--- U
65. P-Dimethylaminoazobenzene	2.89	10.0	--- U
66. 7,12-Dimethylbenz[a]anthracene	5.26	10.0	--- U
67. 3,3-Dimethylbenzadine	3.21	10.0	--- U
68. 1,3-Dinitrobenzene	2.89	20.0	--- U
69. Diphenylamine	5.10	10.0	--- U
70. Disulfoton	4.28	10.0	--- U
71. Famphur	3.98	20.0	--- U
72. Hexachloropropene	4.31	10.0	--- U
73. Isosafrole	2.88	10.0	--- U
74. Kepone	2.78	20.0	--- U
75. Methapyrilene	3.54	100.0	--- U
76. 3-Methylchloroanthrene	4.21	10.0	--- U
77. 2-Methylnaphthalene	3.79	10.0	--- U
78. Methyl Parathion	4.32	10.0	--- U
79. m-Cresol	3.81	10.0	--- U
80. 1,4-Naphthoquinone	4.00	10.0	--- U
81. 1-Naphthylamine	5.61	10.0	--- U
82. 2-Naphthylamine	4.62	10.0	--- U
83. 2-Nitroaniline	3.61	50.0	--- U
84. 3-Nitroaniline	4.81	50.0	--- U
85. 4-Nitroaniline	4.22	20.0	--- U
86. 5-Nitro-O-Toluidine	4.01	10.0	--- U
87. N-Nitrosodi-n-butylamine	3.63	10.0	--- U
88. N-Nitrosodiethylamine	3.83	20.0	--- U
89. N-Nitrosomethylethylamine	3.83	10.0	--- U
90. N-Nitrosopiperidine	5.19	20.0	--- U
91. N-Nitrosopyrrolidine	2.89	10.0	--- U
92. Parathion	3.12	10.0	--- U
93. Pentachlorobenzene	3.92	10.0	--- U
94. Pentachloronitrobenzene	3.71	20.0	--- U
95. Phenacetin	4.41	20.0	--- U
96. 1,4 Benzenediamine	2.99	10.0	--- 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

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

REVIEWED BY: _____

CLIENT ID: 6009

ANALYST: CHS
DATE COLLECTED: 07/31/07
DATE EXTRACTED: 08/06/07
DATE ANALYZED: 08/15/07
DATE REPORTED: 08/27/07

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MDL	SWSL	Well #3
97. Phorate	3.86	10.0	--- U
98. Pronamide	3.69	10.0	--- U
99. Safrole	4.12	10.0	--- U
100. 1,2,4,5-Tetrachlorobenzene	5.01	10.0	--- U
101. Thionazin	4.62	20.0	--- U
102. O-Toluidine	4.11	10.0	--- U
103. 1,3,5-Trinitrobenzene	3.98	10.0	--- U
104. 0,0,0-Triethyl Phosphorothioate	3.61	10.0	--- U
105. Hexachloroethane	1.49	10.0	--- U
106. Isodrin	3.11	20.0	--- 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
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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

ANALYST: MAO
DATE COLLECTED: 07/31/07
DATE ANALYZED: 08/07/07
DATE REPORTED: 08/27/07

REVIEWED BY: _____

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	Well #3
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	0.30 J
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	0.40 J
28. trans-1,3-Dichloropropene	0.14	1.0	--- U
29. 1,1,2-Trichloroethane	0.20	5.0	--- U
30. Tetrachloroethene	0.16	1.0	--- U
31. 2-Hexanone	1.00	50.0	--- U
32. Dibromochloromethane	0.14	1.0	--- 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	4.0	--- 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	1.0	--- 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	1.0	--- U
46. Acrylonitrile	1.49	200.0	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- U
48. Acrolein	5.46	50.0	--- 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

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

CLIENT ID: 6009

ANALYST: MAO
DATE COLLECTED: 07/31/07
DATE ANALYZED: 08/07/07
DATE REPORTED: 08/27/07

REVIEWED BY: _____

LANDFILL APPENDIX II
EPA METHOD 8260B

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

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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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ID#: 6009 A

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

DATE COLLECTED: 07/31/07
DATE REPORTED : 08/27/07

REVIEWED BY:

PARAMETERS	MDL	SWSL	Equipment Blank	Trip Blank	Analysis Date	Analyst	Method Code
Cyanide, ug/l	5.0	10.0	--- U		08/07/07	SEJ	SM4500 CN-E
Antimony, ug/l	0.05	6.0	--- U		08/03/07	CMF	EPA200.8
Arsenic, ug/l	0.47	10.0	--- U		08/03/07	CMF	EPA200.8
Barium, ug/l	0.04	100.0	0.1 J		08/03/07	CMF	EPA200.8
Beryllium, ug/l	0.08	1.0	--- U		08/03/07	CMF	EPA200.8
Cadmium, ug/l	0.06	1.0	--- U		08/03/07	CMF	EPA200.8
Cobalt, ug/l	0.41	10.0	--- U		08/03/07	CMF	EPA200.8
Copper, ug/l	0.20	10.0	--- U		08/03/07	CMF	EPA200.8
Total Chromium, ug/l	0.24	10.0	--- U		08/03/07	CMF	EPA200.8
Iron, ug/l	12.0	300.0	68 J		08/24/07	ADD	SM3111B
Manganese, ug/l	0.50	50.0	5.3 J		08/08/07	LFJ	EPA200.7
Lead, ug/l	0.07	10.0	--- U		08/03/07	CMF	EPA200.8
Mercury, ug/l	0.13	0.20	--- U		08/03/07	CMF	EPA200.8
Nickel, ug/l	1.35	50.0	0.8 J		08/03/07	CMF	EPA200.8
Selenium, ug/l	0.35	10.0	--- U		08/03/07	CMF	EPA200.8
Silver, ug/l	0.52	10.0	--- U		08/03/07	CMF	EPA200.8
Thallium, ug/l	0.07	5.0	--- U		08/03/07	CMF	EPA200.8
Tin, ug/l	2.75	100.0	4.4 J		08/03/07	CMF	EPA200.8
Vanadium, ug/l	1.21	25.0	--- U		08/03/07	CMF	EPA200.8
Zinc, ug/l	1.86	10.0	1.0 J		08/03/07	CMF	EPA200.8
Sulfide, ug/l	100	1000	--- U		08/02/07	LFJ	SM4500-S2D

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

REVIEWED BY:

CLIENT ID: 6009 A

ANALYST: CHS
DATE COLLECTED: 07/31/07
DATE EXTRACTED: 08/02/07
DATE ANALYZED: 08/16/07
DATE REPORTED: 08/27/07

PESTICIDES AND PCB'S
EPA METHOD 8081A

PARAMETERS, ug/l	MDL	SWSL	Equipment Blank
1. Aldrin	0.029	0.05	--- U
2. Alpha-BHC	0.032	0.05	--- U
3. Beta-BHC	0.031	0.05	--- U
4. Delta-BHC	0.030	0.05	--- U
5. Gamma-BHC (Lindane)	0.032	0.05	--- U
6. Chlordane	0.320	0.50	--- U
7. 4,4-DDD	0.051	0.10	--- U
8. 4,4-DDE	0.049	0.10	--- U
9. 4,4-DDT	0.052	0.10	--- U
10. Dieldrin	0.042	0.07	--- U
11. Endosulfan I	0.056	0.10	--- U
12. Endosulfan II	0.046	0.10	--- U
13. Endosulfan Sulfate	0.072	0.10	--- U
14. Endrin	0.053	0.10	--- U
15. Endrin Aldehyde	0.068	0.10	--- U
16. Heptachlor	0.039	0.05	--- U
17. Hepthchlor Epoxide	0.042	0.07	--- U
18. Methoxychlor	0.530	1.00	--- U
19. Pcb's (Aroclors)	0.500	2.00	--- U
20. Toxaphene	0.690	1.00	--- 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 (OLD)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON, NC 28502

REVIEWED BY:

CLIENT ID: 6009 A

ANALYST: CHS
DATE COLLECTED: 07/31/07
DATE EXTRACTED: 08/07/07
DATE ANALYZED: 08/08/07
DATE REPORTED: 08/27/07

LANDFILL APPENDIX II
EPA METHOD 8151A

PARAMETERS, ug/l	MDL	SWSL	Equipment Blank
1. 2,4-D	0.36	2.0	--- U
2. Dinoseb	0.54	1.0	--- U
3. 2,4,5-TP	0.42	2.0	--- U
4. 2,4,5-T	0.47	2.0	--- 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

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

REVIEWED BY:

CLIENT ID: 6009 A

ANALYST: CHS
DATE COLLECTED: 07/31/07
DATE EXTRACTED: 08/06/07
DATE ANALYZED: 08/15/07
DATE REPORTED: 08/27/07

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MDL	SWSL	Equipment Blank
1. Acenaphthene	2.66	10.0	--- U
2. Acenaphthylene	2.60	10.0	--- U
3. Anthracene	2.97	10.0	--- U
4. Benzo[a]antrhacene	4.16	10.0	--- U
5. Benzo[b]fluoranthene	3.32	10.0	--- U
6. Benzo[k]fluoranthene	4.23	10.0	--- U
7. Benzo[g,h,i]perylene	2.61	10.0	--- U
8. Benzo[a]pyrene	3.27	10.0	--- U
9. 4-Bromophenyl Phenyl Ether	2.63	10.0	--- U
10. Butyl Benzyl Phthalate	5.78	10.0	--- U
11. Bis-(2-Chloroethoxy) Methane	3.14	10.0	--- U
12. Bis-(2-Chloroethyl) Ether	2.58	10.0	--- U
13. Bis-(2-Chloroisopropyl) Ether	2.58	10.0	--- U
14. 2-Chloronaphthalene	2.17	10.0	--- U
15. 4-Chlorophenyl Phenyl Ether	2.42	10.0	--- U
16. Chrysene	4.04	10.0	--- U
17. Dibenzo[a,h]anthracene	2.78	10.0	--- U
18. Di-N-Butyl Phthalate	3.09	10.0	--- U
19. Dimethyl Phthalate	3.78	10.0	--- U
20. Diethyl Phthalate	3.92	10.0	--- U
21. 2,4-Dinitrotoluene	3.95	10.0	--- U
22. 2,6-Dinitrotoluene	3.88	10.0	--- U
23. Di-N-Octyl Phthalate	2.81	10.0	--- U
24. Bis-(2-Ethylhexyl) Phthalate	9.97	15.0	--- U
25. Fluoranthene	3.92	10.0	--- U
26. Fluorene	2.95	10.0	--- U
27. Hexachlorobenzene	2.61	10.0	--- U
28. Hexachlorocyclopentadiene	4.16	10.0	--- U
29. Indeno[1,2,3-Cd]pyrene	2.91	10.0	--- U
30. Isophorone	3.74	10.0	--- U
31. Nitrobenzene	2.85	10.0	--- U
32. N-Nitrosodimethylamine	4.25	10.0	--- U
33. N-Nitrosodiphenylamine	3.95	10.0	--- U
34. N-Nitrosodi-N-Propylamine	4.06	10.0	--- U
35. Phenanthrene	3.24	10.0	--- U
36. Pyrene	3.63	10.0	--- U
37. 4-Chloro-3-Methylphenol	3.79	20.0	--- U
38. 2-Chlorophenol	2.75	10.0	--- U
39. O-Cresol	3.68	10.0	--- U
40. P-Cresol	4.12	10.0	--- U
41. 2,4-Dichlorophenol	5.19	10.0	--- U
42. 2,6-Dichlorophenol	4.89	10.0	--- U
43. 2,4-Dimethylphenol	3.21	10.0	--- U
44. 4,6-Dinitro-2-Methylphenol	4.77	50.0	--- U
45. 2,4-Dinitrophenol	4.37	50.0	--- U
46. Ethyl Methanesulfonate	5.26	10.0	--- U
47. Methyl Methanesulfonate	4.92	10.0	--- U
48. 2-Nitrophenol	3.64	10.0	--- 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

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

REVIEWED BY:

CLIENT ID: 6009 A

ANALYST: CHS
DATE COLLECTED: 07/31/07
DATE EXTRACTED: 08/06/07
DATE ANALYZED: 08/15/07
DATE REPORTED: 08/27/07

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MDL	SWSL	Equipment Blank
49. 4-Nitrophenol	3.17	50.0	--- U
50. Pentachlorophenol	5.33	25.0	--- U
51. Phenol	1.86	10.0	--- U
52. 2,3,4,6-Tetrachlorophenol	3.12	10.0	--- U
53. 2,4,5-Trichlorophenol	4.17	10.0	--- U
54. 2,4,6-Trichlorophenol	3.84	10.0	--- U
55. Acetophenone	2.89	10.0	--- U
56. 2-Acetylaminofluorene	3.98	20.0	--- U
57. 4-Aminobiphenyl	4.12	15.0	--- U
58. Benzyl Alcohol	4.47	20.0	--- U
59. 4-Chloroaniline	3.36	20.0	--- U
60. Chlorobenzilate	5.12	10.0	--- U
61. Diallate	2.98	10.0	--- U
62. Dibenzofuran	4.28	10.0	--- U
63. 3,3-Dichlorobenzidine	4.22	20.0	--- U
64. Dimethoate	3.98	20.0	--- U
65. P-Dimethylaminoazobenzene	2.89	10.0	--- U
66. 7,12-Dimethylbenz[a]anthracene	5.26	10.0	--- U
67. 3,3-Dimethylbenzadine	3.21	10.0	--- U
68. 1,3-Dinitrobenzene	2.89	20.0	--- U
69. Diphenylamine	5.10	10.0	--- U
70. Disulfoton	4.28	10.0	--- U
71. Famphur	3.98	20.0	--- U
72. Hexachloropropene	4.31	10.0	--- U
73. Isosafrole	2.88	10.0	--- U
74. Kepone	2.78	20.0	--- U
75. Methapyrilene	3.54	100.0	--- U
76. 3-Methylchloroanthrene	4.21	10.0	--- U
77. 2-Methylnaphthalene	3.79	10.0	--- U
78. Methyl Parathion	4.32	10.0	--- U
79. m-Cresol	3.81	10.0	--- U
80. 1,4-Naphthoquinone	4.00	10.0	--- U
81. 1-Naphthylamine	5.61	10.0	--- U
82. 2-Naphthylamine	4.62	10.0	--- U
83. 2-Nitroaniline	3.61	50.0	--- U
84. 3-Nitroaniline	4.81	50.0	--- U
85. 4-Nitroaniline	4.22	20.0	--- U
86. 5-Nitro-O-Toluidine	4.01	10.0	--- U
87. N-Nitrosodi-n-butylamine	3.63	10.0	--- U
88. N-Nitrosodiethylamine	3.83	20.0	--- U
89. N-Nitrosomethylethylamine	3.83	10.0	--- U
90. N-Nitrosopiperidine	5.19	20.0	--- U
91. N-Nitrosopyrrolidine	2.89	10.0	--- U
92. Parathion	3.12	10.0	--- U
93. Pentachlorobenzene	3.92	10.0	--- U
94. Pentachloronitrobenzene	3.71	20.0	--- U
95. Phenacetin	4.41	20.0	--- U
96. 1,4 Benzenediamine	2.99	10.0	--- U

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

Environment 1, Incorporated

Drinking Water ID: 17715
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 (OLD)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON, NC 28502

REVIEWED BY:

CLIENT ID: 6009 A

ANALYST: CHS
DATE COLLECTED: 07/31/07
DATE EXTRACTED: 08/06/07
DATE ANALYZED: 08/15/07
DATE REPORTED: 08/27/07

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MDL	SWSL	Equipment Blank
97. Phorate	3.86	10.0	--- U
98. Pronamide	3.69	10.0	--- U
99. Safrole	4.12	10.0	--- U
100. 1,2,4,5-Tetrachlorobenzene	5.01	10.0	--- U
101. Thionazin	4.62	20.0	--- U
102. O-Toluidine	4.11	10.0	--- U
103. 1,3,5-Trinitrobenzene	3.98	10.0	--- U
104. 0,0,0-Triethyl Phosphorothioate	3.61	10.0	--- U
105. Hexachloroethane	1.49	10.0	--- U
106. Isodrin	3.11	20.0	--- 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

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: 07/31/07
DATE ANALYZED: 08/08/07
DATE REPORTED: 08/27/07

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	Equipment Blank	Trip 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	2.10 J	1.70 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	5.0	--- U	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	--- U	--- U
15. 2-Butanone	0.85	100.0	0.90 J	--- 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	0.60 J	9.00
28. trans-1,3-Dichloropropene	0.14	1.0	--- U	--- U
29. 1,1,2-Trichloroethane	0.20	5.0	--- U	--- U
30. Tetrachloroethene	0.16	1.0	--- U	--- U
31. 2-Hexanone	1.00	50.0	--- U	--- U
32. Dibromochloromethane	0.14	1.0	--- 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	4.0	--- 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	1.0	--- 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	1.0	--- 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

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

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

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: 07/31/07
DATE ANALYZED: 08/08/07
DATE REPORTED: 08/27/07

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	Equipment Blank	Trip 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	22.50 J	11.70 J

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: 6009 A **Week:** 28

LENOIR CO. LANDFILL (OLD)
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	Cyanide	Metals	Sulfide	EPA 8270C	8270C Dup. 1	EPA 8081A	8260B App. II	8260 App. II 1	8151A Landfill
CHLORINE NEUTRALIZED AT COLLECTION														
pH CHECK (LAB)						7/12	L2	79				L2	L2	
CONTAINER TYPE, P/G						P	P	P	G	G	G	G	G	G
CHEMICAL PRESERVATION						D	B	F D	A	A	A	E	E	A
Equipment Blank 02	3/07				9	C	C	C	C	C	C	C	C	C
Trip Blank					2									

PARAMETERS

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 (circled) N

SAMPLES COLLECTED BY: (Please Print) Hope Fox

SAMPLES RECEIVED IN LAB AT 1.0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Hope 07/31/07		[signature]	7/31/07 12:30
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

№ 148945

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: 6009 **Week: 28**

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

(252) 566-5408

DISINFECTION
- ☐ CHLORINE
- ☐ UV
- ☐ NONE
- ☐ _____

																						CHLORINE NEUTRALIZED AT COLLECTION
									712			L2	79				L2	L2	L2			pH CHECK (LAB)
									P	P	P	P	P	P	P	P	P	P		G	G	G	G	G	CONTAINER TYPE, P/G
									A	A	A	D	A	A	B	F D	A	A		E	E	E	A	A	CHEMICAL PRESERVATION
SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Field pH	Alkalinity	Chloride	Cyanide	TDS	Sulfate	Metals	Sulfide	Conductivity	Temperature	Field Parameter	EPA 8260B	8260 Dup. 1	8260 Dup. 2	EPA 8270C	8270C Dup. 1	PARAMETERS
Well #1 ✓ 07	31 07	1045		19	9	G	G	G		G	G	G		G	G	G	G	G	G			
Well #3 07	31 07	0840		22	13	G	G	G	G	G	G	G	G	G	G	G				G	G	
Well #4 ✓ 07	31 07	0850		22	8	G	G	G		G	G	G		G	G	G	G	G				
Well #6 ✓ 07	31 07	1030		20	8	G	G	G		G	G	G		G	G	G	G	G				
Well #9 ✓ 07	31 07	0825		20	8	G	G	G		G	G	G		G	G	G	G	G				
Well #11 ✓ 07	31 07	0810		19	8	G	G	G		G	G	G		G	G	G	G	G				
Well #12 ✓ 07	31 07	0820		20	8	G	G	G		G	G	G		G	G	G	G	G				
SW-1 07	31 07	0755		25	4	G						G		G	G		G	G				
SW-2 07	31 07	0850		25	4	G						G		G	G		G	G				

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
- ☒ SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY
Y N

SAMPLES COLLECTED BY: (Please Print) H Hope / Fot

SAMPLES RECEIVED IN LAB AT 1.0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob H Hope 07	31 07	Amitha Miller	7/31/07 12:30
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.

№ 148947

FORM #5

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: 6009 **Week: 28**

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

(252) 566-5408

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

																						CHLORINE NEUTRALIZED AT COLLECTION
							L2	L2														pH CHECK (LAB)
						G	G	G	G													CONTAINER TYPE, P/G
						A	E	E	A													CHEMICAL PRESERVATION
SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	EPA 8081A	8260B App. II	8260 App. II 1	8151A Landfill													PARAMETERS
Well #1					9																	
Well #3 07	3107	0840		22	13	G	G	G	G													
Well #4					8																	
Well #6					8																	
Well #9					8																	
Well #11					8																	
Well #12					8																	
SW-1					4																	
SW-2					4																	

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 Lgoe / Fot

SAMPLES RECEIVED IN LAB AT 1.0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob H Lgoe	07 3107	Anaethe Ladd	7/31/07 12:30
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.

№ 148946

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#: 6053

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

DATE COLLECTED: 07/31/07
DATE REPORTED : 08/22/07

REVIEWED BY:

PARAMETERS	MDL	SWSL	SW-3	MW-13	MW-14	MW-15	MW-16	Analysis Date	Analyst	Method Code
PH (field measurement), Units			5.3	4.5	4.8	4.6	4.6	07/31/07	RJH	SM4500HB
Antimony, ug/l	0.05	6.0	0.2 J	--- U	--- U	--- U	--- U	08/03/07	CMF	EPA200.8
Arsenic, ug/l	0.47	10.0	19	--- U	--- U	0.6 J	--- U	08/03/07	CMF	EPA200.8
Barium, ug/l	0.04	100.0	346	105	17.1 J	39.0 J	9.4 J	08/03/07	CMF	EPA200.8
Beryllium, ug/l	0.08	1.0	1	0.3 J	--- U	--- U	--- U	08/03/07	CMF	EPA200.8
Cadmium, ug/l	0.06	1.0	3	0.2 J	--- U	--- U	0.2 J	08/03/07	CMF	EPA200.8
Cobalt, ug/l	0.41	10.0	3.0 J	2.2 J	--- U	0.9 J	--- U	08/03/07	CMF	EPA200.8
Copper, ug/l	0.20	10.0	14	1.2 J	--- U	0.4 J	--- U	08/03/07	CMF	EPA200.8
Total Chromium, ug/l	0.24	10.0	36	1.6 J	--- U	--- U	--- U	08/03/07	CMF	EPA200.8
Lead, ug/l	0.07	10.0	84	1.0 J	0.2 J	0.1 J	0.1 J	08/03/07	CMF	EPA200.8
Nickel, ug/l	0.66	50.0	10.2 J	3.7 J	--- U	--- U	--- U	08/03/07	CMF	EPA200.8
Selenium, ug/l	0.35	10.0	3.0 J	--- U	--- U	--- U	--- U	08/03/07	CMF	EPA200.8
Silver, ug/l	0.52	10.0	--- U	--- U	--- U	--- U	--- U	08/03/07	CMF	EPA200.8
Thallium, ug/l	0.07	5.0	0.3 J	--- U	--- U	--- U	--- U	08/03/07	CMF	EPA200.8
Vanadium, ug/l	0.42	25.0	86	3.4 J	--- U	--- U	--- U	08/03/07	CMF	EPA200.8
Zinc, ug/l	0.20	10.0	56	8.6 J	1.8 J	1.8 J	1.9 J	08/03/07	CMF	EPA200.8
Conductivity (at 25c), uMhos	1.0	1.0	146	116	41	170	38	07/31/07	RJH	SM2510B
Temperature, °C			23	19	20	22	23	07/31/07	RJH	SM2550B
Static Water Level, feet				24.59	11.55	6.61	6.89	07/31/07	RJH	
Well Depth, feet				31.59	23.56	18.26	24.11	07/31/07	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: 07/31/07
DATE REPORTED : 08/22/07

REVIEWED BY:

PARAMETERS	MDL	SWSL	MW-17	MW-18	Piezometer #22	Leachate	Pizeometer #1-4	Analysis Date	Analyst	Method Code
PH (field measurement), Units			4.2	4.7		7.8		07/31/07	RJH	SM4500HB
BOD, mg/l	2.0	2.0				17		07/31/07	TRB	SM5210B
COD, mg/l	10.0	10.0				142		08/06/07	TRB	HACH8000
Total Suspended Residue, mg/l	1.0	1.0				18		07/31/07	MRJ	SM2540D
Ammonia Nitrogen, mg/l	0.04	0.04				25.60		08/02/07	SSR	EPA350.1
Total Kjeldahl Nitrogen, mg/l						41.36		08/02/07	TWA	EPA351.2
Nitrate Nitrogen, mg/l	0.03	10.0				0.64 J		08/01/07	SSR	EPA353.2
Total Phosphorus, mg/l	0.04	0.04				0.41		08/02/07	SSR	EPA365.4
Cyanide, ug/l	5.0	10.0				--- U		08/07/07	SEJ	SM4500 CN-
Sulfate, mg/l	5.0	250.0				--- U		08/02/07	TRB	SM4500-SO4
Antimony, ug/l	0.05	6.0	--- U	0.1 J				08/03/07	CMF	EPA200.8
Arsenic, ug/l	0.47	10.0	--- U	--- U		1.9 J		08/03/07	CMF	EPA200.8
Barium, ug/l	0.04	100.0	98.1 J	14.7 J				08/03/07	CMF	EPA200.8
Beryllium, ug/l	0.08	1.0	0.2 J	--- U				08/03/07	CMF	EPA200.8
Cadmium, ug/l	0.06	1.0	--- U	--- U		--- U		08/03/07	CMF	EPA200.8
Cobalt, ug/l	0.41	10.0	1.2 J	--- U				08/03/07	CMF	EPA200.8
Copper, ug/l	0.20	10.0	0.3 J	0.6 J		3.9 J		08/03/07	CMF	EPA200.8
Total Chromium, ug/l	0.24	10.0	0.7 J	0.3 J		0.7 J		08/03/07	CMF	EPA200.8
Lead, ug/l	0.07	10.0	2.3 J	0.4 J		0.1 J		08/03/07	CMF	EPA200.8
Mercury, ug/l	0.04	0.20				--- U		08/03/07	CMF	EPA200.8
Molybdenum, ug/l	0.26	10				--- U		08/03/07	CMF	EPA200.8
Nickel, ug/l	0.66	50.0	0.9 J	--- U		9.1 J		08/03/07	CMF	EPA200.8
Selenium, ug/l	0.35	10.0	--- U	--- U		1.5 J		08/03/07	CMF	EPA200.8
Silver, ug/l	0.52	10.0	--- U	--- U		--- U		08/03/07	CMF	EPA200.8
Thallium, ug/l	0.07	5.0	--- U	--- U				08/03/07	CMF	EPA200.8
Vanadium, ug/l	0.42	25.0	1.5 J	0.9 J				08/03/07	CMF	EPA200.8
Zinc, ug/l	0.20	10.0	3.2 J	2.7 J		4.8 J		08/03/07	CMF	EPA200.8
Conductivity (at 25c), uMhos	1.0	1.0	173	38				07/31/07	RJH	SM2510B
Temperature, °C			18	17				07/31/07	RJH	SM2550B
Static Water Level, feet			23.52	24.68	26.03		10.85	07/31/07	RJH	
Well Depth, feet			30.91	33.99				07/31/07	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: 07/31/07
DATE REPORTED : 08/22/07

REVIEWED BY:

PARAMETERS	MDL	SWSL	Piezometer #1-14	Piezometer #14	Piezometer #3A	Pizeometer #16	Piezometer #17	Analysis Date	Analyst	Method Code
Static Water Level, feet			5.68	23.28	14.62	17.15	10.56	07/31/07	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

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: 07/31/07
DATE REPORTED: 08/22/07

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	08/08/07 SW-3	08/08/07 MW-13	08/08/07 MW-14	08/08/07 MW-15	08/10/07 MW-16
Date Analyzed:			08/08/07	08/08/07	08/08/07	08/08/07	08/10/07
1. Chloromethane	0.18	1.0	0.20 J	--- 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	4.20 J	--- U	1.40 J	1.60 J	2.00 J
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	2.80 J	--- U	2.30 J	1.80 J	2.40 J
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	0.20 J	--- 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	5.0	--- 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	1.0	--- 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	4.0	--- 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	1.0	--- 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	1.0	--- 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: 07/31/07
DATE REPORTED: 08/22/07

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	Date Analyzed: MDL	SWSL	08/10/07 MW-17	08/10/07 MW-18	08/10/07 Leachate
1. Chloromethane	0.18	1.0	--- U	--- U	--- U
2. Vinyl Chloride	0.34	1.0	--- U	--- U	--- U
3. Bromomethane	0.26	10.0	--- U	--- U	--- U
4. Chloroethane	0.29	10.0	--- U	--- U	--- U
5. Trichlorofluoromethane	0.13	1.0	--- U	--- U	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U	--- U	--- U
7. Acetone	1.21	100.0	1.50 J	1.50 J	5.40 J
8. Iodomethane	0.12	10.0	--- U	--- U	--- U
9. Carbon Disulfide	0.14	100.0	--- U	--- U	--- U
10. Methylene Chloride	0.14	1.0	--- U	--- U	--- U
11. trans-1,2-Dichloroethene	0.13	5.0	--- U	--- U	--- U
12. 1,1-Dichloroethane	0.16	5.0	--- U	--- U	--- U
13. Vinyl Acetate	0.20	5.0	--- U	--- U	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	--- U	--- U	--- U
15. 2-Butanone	0.85	100.0	2.30 J	2.20 J	0.90 J
16. Bromochloromethane	0.11	3.0	--- U	--- U	--- U
17. Chloroform	0.13	5.0	--- U	--- U	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U	--- U	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U	--- U	--- U
20. Benzene	0.16	1.0	--- U	--- U	--- U
21. 1,2-Dichloroethane	0.12	1.0	--- U	--- U	0.20 J
22. Trichloroethene	0.13	1.0	--- U	--- U	--- U
23. 1,2-Dichloropropane	0.17	1.0	--- U	--- U	--- U
24. Bromodichloromethane	0.13	1.0	--- U	--- U	--- U
25. Cis-1,3-Dichloropropene	0.17	1.0	--- U	--- U	--- U
26. 4-Methyl-2-Pentanone	0.68	100.0	--- U	--- U	--- U
27. Toluene	0.13	1.0	--- U	--- U	--- U
28. trans-1,3-Dichloropropene	0.14	1.0	--- U	--- U	--- U
29. 1,1,2-Trichloroethane	0.20	5.0	--- U	--- U	--- U
30. Tetrachloroethene	0.16	1.0	--- U	--- U	--- U
31. 2-Hexanone	1.00	50.0	--- U	--- U	--- U
32. Dibromochloromethane	0.14	1.0	--- U	--- U	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U	--- U	--- U
34. Chlorobenzene	0.13	3.0	--- U	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U	--- U	--- U
36. Ethylbenzene	0.16	1.0	--- U	--- U	--- U
37. Xylenes	0.48	4.0	--- U	--- U	0.80 J
38. Dibromomethane	0.17	10.0	--- U	--- U	--- U
39. Styrene	0.16	1.0	--- U	--- U	--- U
40. Bromoform	0.11	3.0	--- U	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	1.0	--- U	--- U	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U	--- U	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	--- U	--- U	--- U
44. 1,2-Dichlorobenzene	0.13	5.0	--- U	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	1.0	--- U	--- U	--- U
46. Acrylonitrile	1.49	200.0	--- U	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- 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: 6053 **Week: 28**

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	PO4	Cyanide	Sulfate	Metals	Conductivity	Temperature	Field Parameter	EPA 625	625 Duplicate 1
								L2		L2	L2		L2	12		L2						
							P	P	P	P	P	P	P	P	P	P	P	P	P		G	G
							A	A	C	A	C	C	A	C	D	A	B	A	A		A	A
SW-3	07	3/07	0905		23	4	G										G	G	G			
MW-13	07	3/07	1010		19	5	G										G	G	G	G		
MW-14	07	3/07	0910		20	4	G										G	G	G	G		
MW-15	07	3/07	0915		22	4	G										G	G	G	G		
MW-16	07	3/07	0925		23	4	G										G	G	G	G		
MW-17	07	3/07	0935		18	4	G										G	G	G	G		
MW-18	07	3/07	0945		17	4	G										G	G	G	G		
Piezometer #22	07	3/07				1														G		
Leachate	07	3/07	0955		26	16	G	G	G	G	G	G	G	G	G	G	G				G	G
Pizeometer #1-4	07	3/07				1														G		
Piezometer #1-14	07	3/07				1														G		

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) Nigel Fox

SAMPLES RECEIVED IN LAB AT 1.0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob Nigel 07	3/07	Martha Ladd	7/31/07 12:30
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

№ 148942

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 **Week: 28**

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	PO4	Cyanide	Sulfate	Metals	Conductivity	Temperature	Field Parameter	EPA 625	625 Duplicate 1	PARAMETERS
																						CHLORINE NEUTRALIZED AT COLLECTION
																						pH CHECK (LAB)
						P	P	P	P	P	P	P	P	P	P	P	P	P		G	G	CONTAINER TYPE, P/G
						A	A	C	A	C	C	A	C	D	A	B	A	A		A	A	CHEMICAL PRESERVATION
Piezometer #14	07 3107				1														G			
Piezometer #3A	07 3107				1														G			
Pizeometer #16	07 3107				1														G			
Piezometer #17	07 3107				1														G			

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 Igoe / Fot

SAMPLES RECEIVED IN LAB AT 1.0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob H Igoe 07	3107	Arnetha [illegible]	7/31/07 12:30
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

№ 148941

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 **Week: 28**

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

(252) 566-5408

DISINFECTION
- ☐ CHLORINE
- ☐ UV
- ☐ NONE
- ☐ _____

																						CHLORINE NEUTRALIZED AT COLLECTION
																						pH CHECK (LAB)
																						CONTAINER TYPE, P/G
																						CHEMICAL PRESERVATION
																						PARAMETERS
																						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
																						☒ SOLID WASTE SECTION
																						CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY
																						Y N
																						SAMPLES COLLECTED BY: (Please Print)
																						Hlgoe/fat
																						SAMPLES RECEIVED IN LAB AT 6.0 °C

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	625 Duplicate 2	EPA 8260B	8260 Dup. 1	8260 Dup. 2
							L2	L2	L2
						G	G	G	G
						A	E	E	E
SW-3	07 31 07	0905		23	4		G	G	
MW-13	07 31 07	1010		19	5		G	G	G
MW-14	07 31 07	0910		20	4		G	G	
MW-15	07 31 07	0915		22	4		G	G	
MW-16	07 31 07	0925		23	4		G	G	
MW-17	07 31 07	0935		18	4		G	G	
MW-18	07 31 07	0945		17	4		G	G	
Piezometer #22					1				
Leachate	07 31 07	0955		26	16	G	G	G	G
Pizeometer #1-4					1				
Piezometer #1-14					1				

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob Hlgoe	07 31 07	Arnthe Ladd	7/31/07 12:30
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

№ 148940

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 **Week: 28**

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	625 Duplicate 2	EPA 8260B	8260 Dup. 1	8260 Dup. 2
						G	G	G	G
						A	E	E	E
Piezometer #14					1				
Piezometer #3A					1				
Pizeometer #16					1				
Piezometer #17					1				

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
- ☒ SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY
Y N

SAMPLES COLLECTED BY: (Please Print)
H Lope Fox

SAMPLES RECEIVED IN LAB AT 1.0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob H Lope	07/31/07	[signature]	7/31/07 12:30
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

№ 148939