
Semi-Annual Water Quality Monitoring Report

Prepared for

Lenoir County Subtitle D Lined MSWLF
LaGrange, North Carolina

January 2013

Permit Number: 54-09

MESCO Project Number: G12029.0

Submitted on April 1, 2013

P.O. Box 97
Garner, NC 27529
License No. C-0281



**Municipal
Services**

Garner, NC

**Engineering
Company, P.A.**

Boone, NC

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

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- Prepare one form for each individually monitored unit.
- Please type or print legibly.
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i)).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):
 Municipal Engineering Services Co., PA

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, Phase 1 | 2949 Hodges Farm Road LaGrange, NC 28501 | 54-09 | .1600 | January 29, 2013 |

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

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.

D. Mark Durway, L.G. Geologist (919) 772-5393

Facility Representative Name (Print) Title (Area Code) Telephone Number
D. Mark Durway 4.1.13
 Signature Date Affix NC Licensed/ Professional Geologist Seal

P.O. Box 97, Garner, NC 27529
 Facility Representative Address

C-0281
 NC PE Firm License Number (if applicable effective May 1, 2009)



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CIVIL/SANITARY/ENVIRONMENTAL ENGINEERS

SOLID WASTE MANAGEMENT

**Municipal
Services**

**Engineering
Company, P.A.**

SITE PLANNING/SUBDIVISIONS

SUBSURFACE UTILITY ENGINEERING (SUE)

April 1, 2013

Ms. Jaclynne Drummond
Solid Waste Section
NC DENR Division of Waste Management
217 West Jones Street
Raleigh, NC 27605

Re: ***Semi-Annual Water Quality Monitoring Report***
Lenoir County Subtitle D Lined Landfill, Phase 1
Event Date(s): January 29, 2013
Permit No. 54-09
MESCO Project No. G12029.0

Dear Ms. Drummond:

Introduction

On behalf of Lenoir County, Municipal Engineering Services Company, P.A. (MESCO) is pleased to present this *Semi-Annual Water Quality Report* for the Summer 2012 event performed at the Lenoir County Subtitle D Lined Municipal Solid Waste Landfill (MSWLF), Phase 1. NCDENR Solid Waste Rules 15A NCAC 13B.1632 requires that Lenoir County provide this report to the SWS on a semi-annual basis. This report documents the quality of the groundwater, surface waters and leachate during this monitoring event performed on January 29, 2013. Laboratory analytical results indicate that targeted constituents were not detected in concentrations in exceedance of North Carolina Groundwater Standards (2L) or Groundwater Protection Standards (GWP) during this event.

Background

The Lenoir County Subtitle D lined MSWLF, permit #54-09, is located at 2949 Hodges Farm Road, LaGrange, North Carolina. The site location topographic map is depicted in the attached **Figure 1**. The lined MSWLF is not currently accepting waste.

Water quality at this facility has been monitored at least semi-annually since prior to operation in 2003 with all historical analytical data available for trend comparison.

As specified within 15A NCAC 13B.1632(j) and the SWS Environmental Monitoring Report Form this report contains sampling procedures, field and laboratory results, groundwater and surface water characterization. Detections compared to Standards tables, a groundwater flow directions/rates table, a field observations table, a field data results table, potentiometric map, quality assurance/quality control data, and laboratory analytical data results are also enclosed.

As specified in rule 15A NCAC 13B.1632(i) and the SWS Environmental Monitoring Report Form, this report contains sampling procedures, field and laboratory results, groundwater and surface water characterization, and findings. Detections compared to Standards tables, hydrologic properties table, a potentiometric map, and field and laboratory analytical results with chains of custody (C-O-C) are enclosed.

Sampling Procedure

Environment 1 (E1) of Greenville, NC reportedly performed this sampling event utilizing portable monitoring methodology in accordance with the approved Sampling & Analysis Plan (SAP) contained in the Lenoir County Landfill, Phase 1 *Design Hydrogeologic Study* dated August 19, 2002. E1 reportedly collected water samples from four downgradient groundwater monitoring wells (MW-14 through MW-17), two background wells (MW-13 and MW-18), and the the leachate lagoon (LAGOON). Quality control measures implemented during this event included submittal and analysis of an equipment blank (EB), field blank (FB) and trip blank (TB). Additional static water level readings were recorded from eleven supplementary piezometers (P-3A, P1-4, P1-14, P-14, P-17, P-22, P2-4, P2-9, P2-10, MW-19S and MW-19D) to improve potentiometric map coverage. The lone designated surface water sample point SW-3 was dry. Monitoring locations are shown in **Figure 2**.

Field Parameter Data

E1 reported the field parameters (pH, static water levels, specific conductance, temperature and turbidity) in the laboratory analysis report (**Appendix A**).

Laboratory Results

Groundwater monitoring wells contained in the SAP and blanks (EB,FB) were analyzed for the Appendix I list of volatile organic compounds (VOCs) and total metals as listed in CFR Part 258. TB was analyzed for the Appendix I list of VOCs. The lined leachate lagoon (LAGOON) samples were tested for the SWS required leachate specific parameters (Appendix I VOCs and metals, nitrate, phosphorus, chemical oxygen demand, biological oxygen demand, pH, and sulfate). E1 documentation indicates samples were transported under C-O-C protocols and analyzed within the specified hold times for each method. Water samples were analyzed to the laboratory-established Method Detection Limits (MDL), which are at or below the current Solid Waste Section Limits (SWSL). A sampling and analysis table summarizing the locations, target parameters and laboratory methods is presented as **Table 1**. Laboratory results and COC are presented in **Appendix A**.

Quality Control Samples

Six of the fourteen (43%) of the targeted total metals were detected in low non-quantifiable (“j” qualified) concentrations in the FB. Although the field and/or laboratory induced artifact contamination was identified it's unlikely the data set has been influenced by false positives or high bias.

Groundwater Samples

Constituents were not detected in concentrations exceeding the 2L or GWP Standards during this event. The lone constituent detected in a groundwater sample above the SWSL is summarized in **Table 2**.

Surfacewater Samples

Surfacewater monitoring point SW-3 was dry; thus, no surface water information was reported for this event.

Leachate Samples

Total barium was the only targeted constituent detected in a quantifiable concentration in the leachate sample (LAGOON) as summarized in **Table 3**.

Groundwater and Surface Water Characterization

A single-day potentiometric map of the surficial aquifer created from groundwater elevation data recorded on January 29, 2013 is presented as **Figure 2**. Groundwater flow rates and directions were calculated based on this data and are included in **Table 4**. Groundwater flow was in a general northeasterly direction towards the designated wetlands and rates calculated by modified Darcy's equation ranged from approximately 4 feet/year (MW-13) to 344 feet/year (MW-14) with an average of 132 feet/year for all wells. Surfacewater sampling location SW-3 has reportedly been dry during each monitoring event since July 2007. Flow directions and gradients are generally consistent with historical observations.

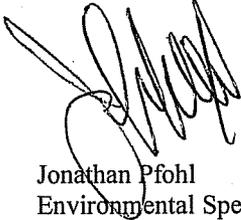
Findings

Laboratory data results continue to indicate that groundwater around the MSWLF and leachate lagoon remain unimpacted.

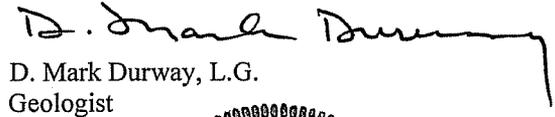
Closing

Detection monitoring will continue and the next semi-annual sampling event is tentatively scheduled for June 2013. Please contact us by phone at (919) 772-5393 or by email at jpfohl@mesco.com or mdurway@mesco.com if you have any questions or comments.

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



Jonathan Pfohl
Environmental Specialist



D. Mark Durway, L.G.
Geologist

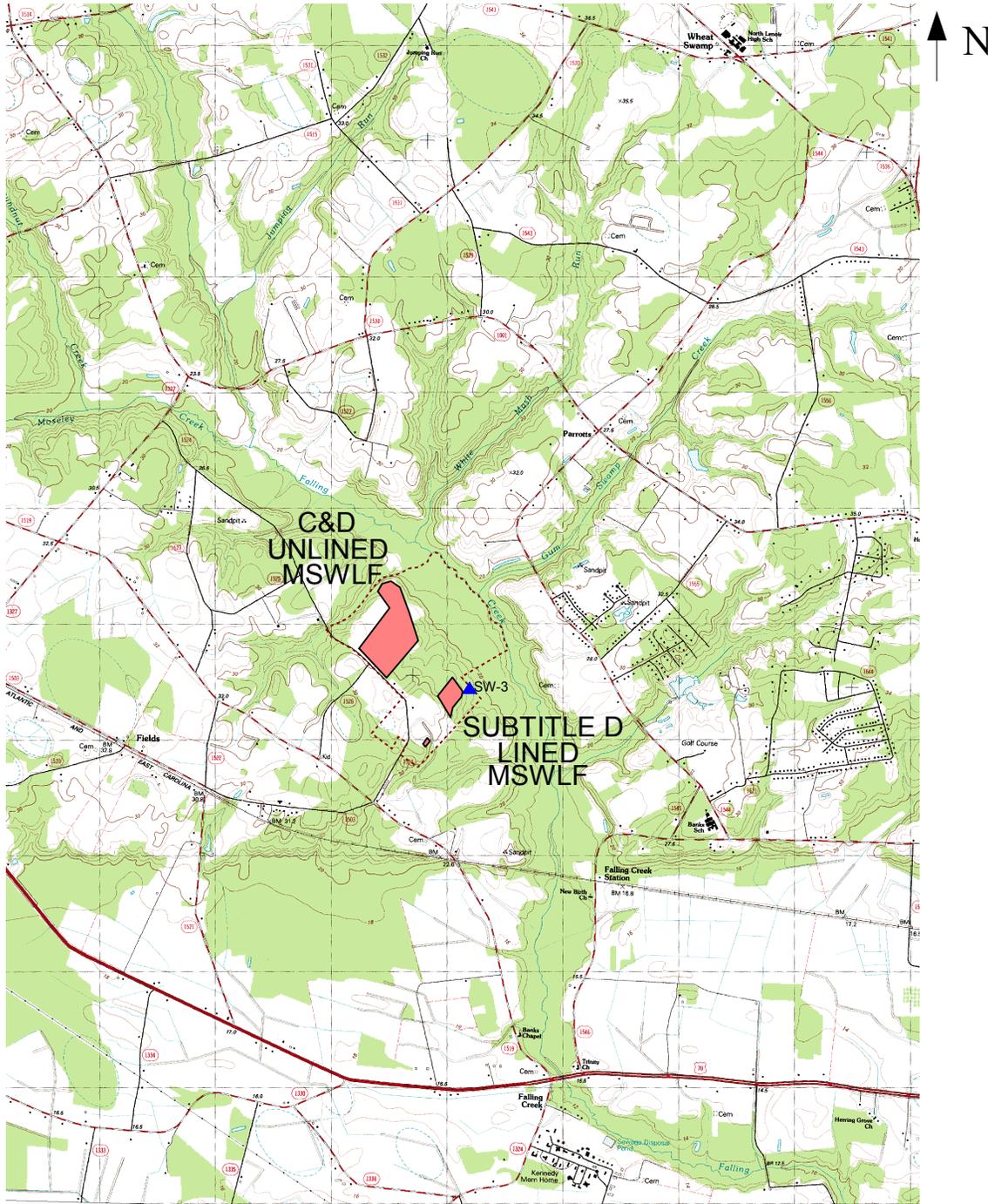
Enclosures
cc: Mr. Tom Miller
Lenoir County



Figures

Topographic Map with Site Location

Lenoir County Landfill Facility



2949 Hodges Farm Rd (SR1524)
 LaGrange, NC 28501
 Lat:35-17-07.4269
 Long:-77-42-32.7453
 Northing:561295.59
 Easting:2385220.32

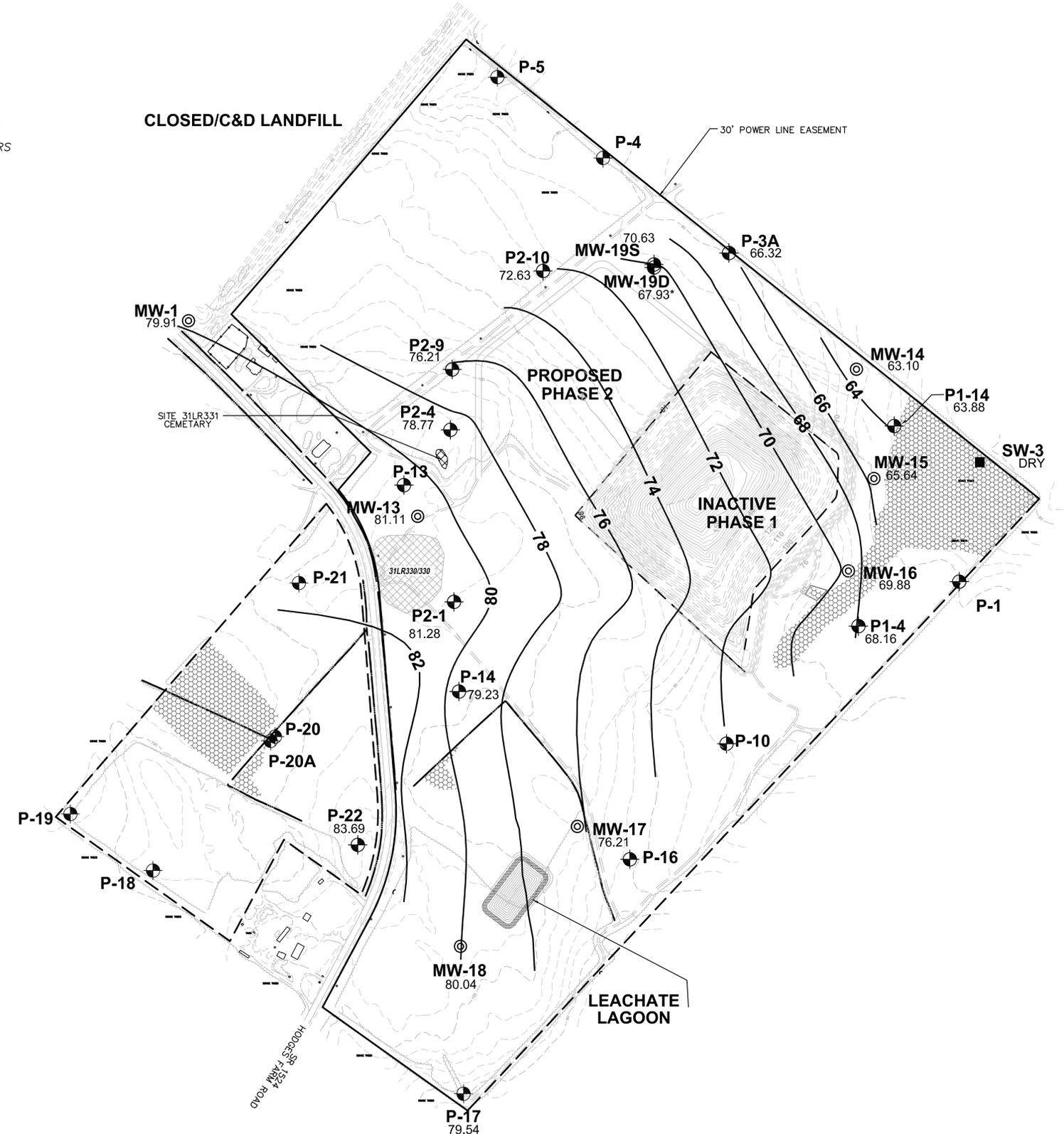
QUADRANGLE LEGEND

| ROAD CLASSIFICATION | |
|---------------------------------|---|
| Primary highway, hard surface | Light-duty road, hard or improved surface |
| Secondary highway, hard surface | Unimproved road |
| Interstate Route | U. S. Route |
| State Route | |

FIGURE 1

LEGEND

- EXISTING TOPOGRAPHIC CONTOURS
- - - PROPERTY LINE
- EXISTING PATH
- - - WASTE/LINER LIMITS
- P-11** EXISTING PIEZOMETER
- REF # ARCHAEOLOGICAL SITES
- WETLANDS
- MW-1** MONITORING WELL
- SW-3** SURFACE WATER MONITORING LOCATION
- 78— EQUIPOTENTIAL GROUNDWATER CONTOURS
- 79.91 GROUNDWATER ELEVATION (FT AMSL)



NOTES

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

Engineering Company, P.A.
Municipal Services
 LICENSE NUMBER: C-0281
 P.O. BOX 349 BOONE, N.C. 28607
 P.O. BOX 97 GARNER, N.C. 27529
 (919) 772-5393

SUBTITLE D LINED MSW LANDFILL FACILITY
LENOIR COUNTY
NORTH CAROLINA

Groundwater Levels & VOCs Detected Above 2L Standards
January 29, 2013

| WELL # | TOP OF CASING ELEVATION (FT AMSL) | DEPTH TO WATER (FT BTWC) | GROUNDWATER POTENTIOMETRIC ELEVATION (FT AMSL) | NONE (Ug/L) |
|--|-----------------------------------|--------------------------|--|-------------|
| 15A NCAC 2L Groundwater Quality Standard | | | | |
| MW-13 | 107.81 | 26.70 | 81.11 | - |
| MW-14 | 74.81 | 11.80 | 63.01 | - |
| MW-15 | 71.64 | 6.00 | 65.64 | - |
| MW-16 | 76.36 | 6.48 | 69.88 | - |
| MW-17 | 101.06 | 24.95 | 76.21 | - |
| MW-18 | 106.74 | 26.70 | 80.04 | - |
| MW-1 | 98.34 | 18.43 | 79.91 | - |
| P-3A | 82.19 | 15.87 | 66.32 | NS |
| P1-4 | 78.80 | 10.64 | 68.16 | NS |
| P1-14 | 69.22 | 5.34 | 63.88 | NS |
| P1-4 | 104.07 | 24.84 | 79.23 | NS |
| P-17 | 90.57 | 11.03 | 79.54 | NS |
| P-22 | 110.40 | 26.71 | 83.69 | NS |
| P2-1 | 104.98 | 23.70 | 81.28 | NS |
| P2-4 | 107.62 | 28.85 | 78.77 | NS |
| P2-9 | 101.95 | 25.74 | 76.21 | NS |
| P2-10 | 88.14 | 15.51 | 72.63 | NS |
| MW-19S | 85.76 | 15.13 | 70.63 | NS |
| MW-19D | 85.87 | 17.94 | 67.93 | NS |

All data collected by Environment Incorporated personnel
NS = Not Sampled

POTENTIOMETRIC MAP OF UPPERMOST AQUIFER
 w/ VOCs DETECTED ABOVE 2L STANDARD

| | |
|-----------------|-----------|
| SCALE: | 1" = 200' |
| DATE: | 3/26/13 |
| DRWN. BY: | J. PFOHL |
| CHKD. BY: | M. DURWAY |
| PROJECT NUMBER: | G12029.0 |
| DRAWING NO.: | FIGURE 2 |
| SHEET NO.: | 1 OF 1 |

FIGURE 2

Tables

Table 1
Sampling and Analysis Summary
January 29, 2013

| | Reason Not Sampled | App. I | | Field Parameter | | | | Leachate | | | | | |
|--------|--------------------|---------------|--------------|-----------------|--------------|----------|-----------|----------|--------------|--------------|-------------|--------------|---------------|
| | | VOCs | Total Metals | Temperature | Conductivity | pH | Turbidity | Sulfate | pH | Phosphorus | BOD, 5 day | COD | Nitrate |
| | | Lab EPA 8260B | Lab EPA200.8 | SM2550B | SM2510B | SM4500HB | SM2130-B | SM426C | Lab SM4500HB | Lab EPA365.4 | Lab SM5210B | Lab HACH8000 | Lab EPA 353.2 |
| MW-13 | | x | x | x | x | x | x | | | | | | |
| MW-14 | | x | x | x | x | x | x | | | | | | |
| MW-15 | | x | x | x | x | x | x | | | | | | |
| MW-16 | | x | x | x | x | x | x | | | | | | |
| MW-17 | | x | x | x | x | x | x | | | | | | |
| MW-18 | | x | x | x | x | x | x | | | | | | |
| SW-3 | Dry | | | | | | | | | | | | |
| LAGOON | | x | x | x | x | x | x | x | x | x | x | x | x |
| EB | | x | x | | | | | | | | | | |
| FB | | x | x | | | | | | | | | | |
| TB | | x | | | | | | | | | | | |

App I = List from current 40 CFR 258

Table 2
Detections in Water Samples above SWSL, GWP, 2L, or 2B (Appendix I)
January 29, 2013

| Well ID | Parameter Name ¹ | Sample Date | Result | Unit | MDL ² | SWSL ³ | 2L ⁴ | 2B ⁵ | GWP ⁶ | Exceedance | Preliminary Cause ⁷ |
|---------|-----------------------------|-------------|--------|------|------------------|-------------------|-----------------|-----------------|------------------|------------|--------------------------------|
| MW-17 | Barium, Total | 1/29/13 | 123 | ug/l | 0.07 | 100 | 700 | | NE | | |

¹ Table contains Appendix I constituents detected above SWSL, GWP, 2L, or 2B

² MDL = Method Detection Limit

³ SWSL = Solid Waste Section Reporting Limit

⁴ 2L = North Carolina 15A NCAC 2L Groundwater Quality Standard

⁵ 2B = North Carolina 15 NCAC 2B Surface Water Quality Standard for this Specific Stream Classification

⁶ GWP = Groundwater Protection Standard

⁷ Preliminary Cause = Refers to a preliminary analysis of the cause and/or source of a detection over the respective 2L/2B Standard.

A definitive source of the detection was not determined as part of this report.

NE = Not Established

BOLD = Concentration > 2L, or 2B Standard

Table 3
Detections in Leachate Samples above SWSL, GWP, 2L, or 2B
January 29, 2013

| Sample ID | Parameter Name ¹ | Sample Date | Result | Unit | MDL ² | SWSL ³ | 2L ⁴ | 2B ⁵ | GWP ⁶ | Exceedance |
|------------------|------------------------------------|--------------------|---------------|-------------|-------------------------|--------------------------|------------------------|------------------------|-------------------------|-------------------|
| LAGOON | Barium, Total | 1/29/13 | 117 | ug/l | 0.07 | 100 | 700 | 200000 | NE | |

¹ Table contains only constituents detected above SWSL, GWP, 2L, or 2B

² MDL = Method Detection Limit

³ SWSL = Solid Waste Section Reporting Limit

⁴ 2L = North Carolina 15A NCAC 2L Groundwater Quality Standard

⁵ 2B = North Carolina 15 NCAC 2B Surface Water Quality Standard for this Specific Stream Classification

⁶ GWP = Groundwater Protection Standard (Current as of Sampling Event)

NE = Not Established

BOLD = Concentration > 2L, or 2B Standard

Table 4
Hydrologic Properties at Monitoring Well Locations
January 29, 2013

| Monitoring Well | Hydraulic Conductivity (cm/sec) | Effective Porosity (%) | Hydraulic Gradient (ft/ft) | Groundwater Velocity Rate (ft/yr) | Flow Direction | Depth To Water (ft btoc) | Water Table Elevation (ft amsl) | Screened Interval Lithology |
|-----------------|---------------------------------|------------------------|----------------------------|-----------------------------------|----------------|--------------------------|---------------------------------|-----------------------------|
| MW-13 | 7.69E-05 | 23 | 0.010 | 4 | N62E | 26.70 | 81.11 | Silty Sand |
| MW-14 | 3.38E-03 | 23 | 0.023 | 344 | N60E | 11.80 | 63.01 | Silty Sand |
| MW-15 | 2.89E-03 | 23 | 0.016 | 209 | N66E | 6.00 | 65.64 | Silty Sand |
| MW-16 | 9.72E-04 | 23 | 0.044 | 191 | S86E | 6.48 | 69.88 | Silty Sand |
| MW-17 | 1.13E-03 | 23 | 0.008 | 39 | N80E | 24.85 | 76.21 | Silty Sand |
| MW-18 | 1.25E-04 | 23 | 0.008 | 5 | N82E | 26.70 | 80.04 | Silty Clayey Sand |
| Minimum | 7.69E-05 | 23 | 0.01 | 4 | - | 6 | 63.01 | - |
| Average | 1.43E-03 | 23 | 0.02 | 132 | - | 17.09 | 72.65 | - |
| Maximum | 3.38E-03 | 23 | 0.04 | 344 | - | 26.7 | 81.11 | - |

NOTE: 1. Hydraulic conductivity (K) values based on slug test results, performed by MESCO in December 2005.
2. Effective Porosity (ne) values obtained from the MESCO Ph. 1 design hydrogeologic report completed in August 2002.
3. Static water levels recorded by Environment 1, Inc. on January 29, 2013.
Linear velocity rate (Q) is defined by modified Darcy's equation:

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

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

Appendix A
Laboratory Analysis Report
Field Analysis Report
Chains of Custody

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: 01/29/13
DATE REPORTED : 02/18/13

REVIEWED BY: 

| PARAMETERS | MDL | SWSL | MW-13 | MW-14 | MW-15 | MW-16 | MW-17 | Analysis | | Method Code |
|---------------------------------|------|-------|--------|--------|--------|--------|--------|----------|---------|-------------|
| | | | | | | | | Date | Analyst | |
| PH (field measurement), Units | | | 4.5 | 4.7 | 5.2 | 4.7 | 4.2 | 01/29/13 | BF | 4500HB-00 |
| Antimony, ug/l | 0.02 | 6.0 | --- U | --- U | 0.05 J | --- U | --- U | 02/05/13 | LFJ | EPA200.8 |
| Arsenic, ug/l | 0.13 | 10.0 | 0.25 J | 0.35 J | 0.29 J | 0.42 J | 0.70 J | 02/05/13 | LFJ | EPA200.8 |
| Barium, ug/l | 0.07 | 100.0 | 49.2 J | 47.6 J | 39.4 J | 23.0 J | 123 | 02/05/13 | LFJ | EPA200.8 |
| Beryllium, ug/l | 0.07 | 1.0 | 0.17 J | 0.10 J | --- U | 0.07 J | 0.29 J | 02/05/13 | LFJ | EPA200.8 |
| Cadmium, ug/l | 0.03 | 1.0 | 0.14 J | --- U | 0.08 J | --- U | 0.07 J | 02/05/13 | LFJ | EPA200.8 |
| Cobalt, ug/l | 0.02 | 10.0 | 0.87 J | 0.94 J | 0.56 J | 0.46 J | 1.7 J | 02/05/13 | LFJ | EPA200.8 |
| Copper, ug/l | 0.06 | 10.0 | 0.57 J | 0.36 J | 0.49 J | 0.20 J | 0.52 J | 02/05/13 | LFJ | EPA200.8 |
| Total Chromium, ug/l | 0.18 | 10.0 | --- U | 0.78 J | --- U | 0.86 J | 0.98 J | 02/05/13 | LFJ | EPA200.8 |
| Lead, ug/l | 0.08 | 10.0 | 0.32 J | 1.1 J | --- U | 0.41 J | 3.6 J | 02/05/13 | LFJ | EPA200.8 |
| Nickel, ug/l | 0.06 | 50.0 | 1.1 J | 0.90 J | 0.92 J | 0.59 J | 1.6 J | 02/05/13 | LFJ | EPA200.8 |
| Selenium, ug/l | 0.17 | 10.0 | --- U | 0.45 J | 0.51 J | --- U | 0.23 J | 02/05/13 | LFJ | EPA200.8 |
| Silver, ug/l | 0.10 | 10.0 | --- U | 02/05/13 | LFJ | EPA200.8 |
| Thallium, ug/l | 0.07 | 5.5 | 0.18 J | --- U | 0.22 J | --- U | --- U | 02/05/13 | LFJ | EPA200.8 |
| Vanadium, ug/l | 0.10 | 25.0 | 0.85 J | 1.8 J | 0.57 J | 2.3 J | 2.5 J | 02/05/13 | LFJ | EPA200.8 |
| Zinc, ug/l | 0.48 | 10.0 | 5.1 J | 3.6 J | 4.5 J | 5.2 J | 5.8 J | 02/05/13 | LFJ | EPA200.8 |
| Turbidity, NTU | 1.0 | 1.0 | 121 | 138 | 77 | 178 | 244 | 01/29/13 | BF | 2130B-01 |
| Conductivity (at 25c), uMhos/cm | 1.0 | 1.0 | 54 | 103 | 240 | 42 | 185 | 01/29/13 | BF | 2510B-97 |
| Temperature, °C | | | 19 | 16 | 13 | 13 | 18 | 01/29/13 | BF | 2550B-00 |
| Static Water Level, feet | | | 26.70 | 11.80 | 6.00 | 6.48 | 24.85 | 01/29/13 | BF | |
| Well Depth, feet | | | 31.59 | 23.56 | 18.26 | 24.11 | 30.91 | 01/29/13 | BF | |

J = Between MDL and SWSL, U = Below ALL Quantitation 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: 01/29/13
DATE REPORTED : 02/18/13

REVIEWED BY: 

| PARAMETERS | MDL | SWSL | MW-18 Analysis | | Method Code |
|---------------------------------|------|-------|----------------|-----------------|-------------|
| | | | Date | Analyst | |
| PH (field measurement), Units | | | 5.0 | 01/29/13 BF | 4500HB-00 |
| Antimony, ug/l | 0.02 | 6.0 | --- | U 02/05/13 LFFJ | EPA200.8 |
| Arsenic, ug/l | 0.13 | 10.0 | 0.32 | J 02/05/13 LFFJ | EPA200.8 |
| Barium, ug/l | 0.07 | 100.0 | 4.9 | J 02/05/13 LFFJ | EPA200.8 |
| Beryllium, ug/l | 0.07 | 1.0 | --- | U 02/05/13 LFFJ | EPA200.8 |
| Cadmium, ug/l | 0.03 | 1.0 | --- | U 02/05/13 LFFJ | EPA200.8 |
| Cobalt, ug/l | 0.02 | 10.0 | 0.13 | J 02/05/13 LFFJ | EPA200.8 |
| Copper, ug/l | 0.06 | 10.0 | 0.24 | J 02/05/13 LFFJ | EPA200.8 |
| Total Chromium, ug/l | 0.18 | 10.0 | 0.31 | J 02/05/13 LFFJ | EPA200.8 |
| Lead, ug/l | 0.08 | 10.0 | 0.40 | J 02/05/13 LFFJ | EPA200.8 |
| Nickel, ug/l | 0.06 | 50.0 | 0.48 | J 02/05/13 LFFJ | EPA200.8 |
| Selenium, ug/l | 0.17 | 10.0 | --- | U 02/05/13 LFFJ | EPA200.8 |
| Silver, ug/l | 0.10 | 10.0 | --- | U 02/05/13 LFFJ | EPA200.8 |
| Thallium, ug/l | 0.07 | 5.5 | --- | U 02/05/13 LFFJ | EPA200.8 |
| Vanadium, ug/l | 0.10 | 25.0 | 1.2 | J 02/05/13 LFFJ | EPA200.8 |
| Zinc, ug/l | 0.48 | 10.0 | 4.1 | J 02/05/13 LFFJ | EPA200.8 |
| Turbidity, NTU | 1.0 | 1.0 | 203 | 01/29/13 BF | 2130B-01 |
| Conductivity (at 25c), uMhos/cm | 1.0 | 1.0 | 17 | 01/29/13 BF | 2510B-97 |
| Temperature, °C | | | 17 | 01/29/13 BF | 2550B-00 |
| Static Water Level, feet | | | 26.70 | 01/29/13 BF | |
| Well Depth, feet | | | 33.99 | 01/29/13 BF | |

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

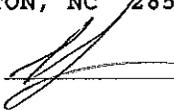
PHONE (252) 756-6208
FAX (252) 756-0633

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: 01/29/13
DATE ANALYZED: 01/31/13
DATE REPORTED: 02/18/13

Page: 1

REVIEWED BY: 

VOLATILE ORGANICS EPA METHOD 8260B R1(96)

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

J = Between MDL and SWSL, U = Below ALL Quantitation 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: 01/29/13
DATE ANALYZED: 01/31/13
DATE REPORTED: 02/18/13

Page: 2

REVIEWED BY: 

VOLATILE ORGANICS
EPA METHOD 8260B R1 (96)

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

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

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

CLIENT: 6053 Week: 9

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

(252) 566-4194

CHAIN OF CUSTODY RECORD

| | | | | | | | | |
|------------------------------------|--|--------------------------|----------|--------------------------|----|--------------------------|-------|--------------------------|
| DISINFECTED | | <input type="checkbox"/> | CHLORINE | <input type="checkbox"/> | UV | <input type="checkbox"/> | NONI: | <input type="checkbox"/> |
| CHLORINE NEUTRALIZED AT COLLECTION | | | | | | | | |
| pH CHECK (LAB) | | | | | | | | |
| CONTAINER TYPE, PIG | | | | | | | | |
| CHEMICAL PRESERVATION | | | | | | | | |

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| TOTAL CHLORINE, mg/l OR ug/l AT COLLECTION | | | | | | | | |
| TEMPERATURE, °C AT COLLECTION | | | | | | | | |
| # OF CONTAINERS | | | | | | | | |
| Field pH | | | | | | | | |
| Metals | | | | | | | | |
| Turbidity | | | | | | | | |
| Conductivity | | | | | | | | |
| Temperature | | | | | | | | |
| Field Parameter | | | | | | | | |
| EPA 8260B | | | | | | | | |
| 8260 Dup. 1 | | | | | | | | |
| 8260 Dup. 2 | | | | | | | | |

| SAMPLE LOCATION | COLLECTION | | DATE | TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | COMMENTS | PARAMETERS | CLASSIFICATION: |
|-----------------|------------|------|------|------|--------------------|-----------|--------------------|-----------|----------|------------|-----------------|
| | DATE | TIME | | | | | | | | | |

| | | | | | | | | | | | |
|--|---------|------|----|---|--------------------|---------|------|---------|------|--|--|
| MW-13 | 1-29-13 | 1030 | 19 | 5 | <i>[Signature]</i> | 1/29/13 | 1330 | 1/29/13 | 1330 | | |
| MW-14 | 1-29-13 | 0915 | 16 | 4 | <i>[Signature]</i> | | | | | | |
| MW-15 | 1-29-13 | 0925 | 13 | 4 | <i>[Signature]</i> | | | | | | |
| MW-16 | 1-29-13 | 1005 | 13 | 4 | <i>[Signature]</i> | | | | | | |
| MW-17 | 1-29-13 | 0950 | 18 | 4 | <i>[Signature]</i> | | | | | | |
| MW-18 | 1-29-13 | 1000 | 17 | 4 | <i>[Signature]</i> | | | | | | |
| SW-3 | | | | 4 | <i>[Signature]</i> | | | | | | |
| CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY <input checked="" type="checkbox"/> SOLID WASTE SECTION <input type="checkbox"/> WASTEWATER (NPDES) <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> DMQGW SAMPLES COLLECTED BY: <i>[Signature]</i> (Please Print) SAMPLES RECEIVED IN LAB AT 0:38 °C COMMENTS: <i>SW-3 Dry</i> | | | | | | | | | | | |

PLEASE READ Instructions for completing this form on the reverse side.
 Sampler must place a "C" for composite sample or a "G" for Grab sample in the blocks above for each parameter (ppm/psf)

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 B

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

DATE COLLECTED: 01/28/13
DATE REPORTED : 01/29/13

REVIEWED BY: 

| PARAMETERS | MDL | SWSL | P-22 | MW-19S | MW-19D | P1-4 | P1-14 | Analysis Date | Method Analyst Code |
|--------------------------|-----|------|-------|--------|--------|-------|-------|------------------|------------------------|
| Static Water Level, feet | | | 26.71 | 15.13 | 17.94 | 10.64 | 5.34 | 01/29/13 | BF |

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 B

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

DATE COLLECTED: 01/28/13
DATE REPORTED : 01/29/13

REVIEWED BY: 

| PARAMETERS | MDL | SWSL | P-14 | P-3A | P-17 | P2-1 | P2-4 | Analysis Date | Method Analyst Code |
|--------------------------|-----|------|-------|-------|-------|-------|-------|------------------|------------------------|
| Static Water Level, feet | | | 24.84 | 15.87 | 11.03 | 23.70 | 28.85 | 01/29/13 | BF |

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 B

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

DATE COLLECTED: 01/28/13
DATE REPORTED : 01/29/13

REVIEWED BY: 

| PARAMETERS | MDL | SWSL | P2-9 | P2-10 | Analysis Date Analyst | Method Code |
|--------------------------|-----|------|-------|-------|--------------------------|----------------|
| Static Water Level, feet | | | 25.74 | 15.51 | 01/29/13 BF | |

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

CHAIN OF CUSTODY RECORD

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

CLIENT: 6053 B Week: 9

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

(252) 566-4194

| SAMPLE LOCATION | COLLECTION | | TOTAL CHLORINE, mg/l OR ug/l AT COLLECTION | TEMPERATURE, °C AT COLLECTION | # OF CONTAINERS | Field Parameter | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | COMMENTS: | PARAMETERS |
|------------------------|------------|------|--|-------------------------------|-----------------|-----------------|-----------|--------------------|-----------|-----------|---|
| | DATE | TIME | | | | | | | | | |
| P-22 | 1-28-13 | | | | 1 | | | | | | CLASSIFICATION: <input type="checkbox"/> WASTEWATER (NPDES) <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> DMO/GW <input checked="" type="checkbox"/> SOLID WASTE SECTION CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY <input checked="" type="checkbox"/> Y <input type="checkbox"/> N SAMPLES COLLECTED BY: <i>Bobby Feary</i> (Please Print) SAMPLES RECEIVED IN LAB AT <i>W/A</i> °C |
| MW-19S | 1-28-13 | | | | 1 | | | | | | |
| MW-19D | 1-28-13 | | | | 1 | | | | | | |
| P1-4 | 1-28-13 | | | | 1 | | | | | | |
| P1-14 | 1-28-13 | | | | 1 | | | | | | |
| P-14 | 1-28-13 | | | | 1 | | | | | | |
| P-3A | 1-28-13 | | | | 1 | | | | | | |
| P-17 | 1-28-13 | | | | 1 | | | | | | |
| P2-1 | 1-28-13 | | | | 1 | | | | | | |
| P2-4 | 1-28-13 | | | | 1 | | | | | | |
| P2-9 | 1-28-13 | | | | 1 | | | | | | |
| RELINQUISHED BY (SIG.) | DATE/TIME | | | | | | | | | | |
| RELINQUISHED BY (SIG.) | DATE/TIME | | | | | | | | | | |
| RELINQUISHED BY (SIG.) | DATE/TIME | | | | | | | | | | |

DISINFECTION
 CHLORINE
 UV
 NONE

CHLORINE NEUTRALIZED AT COLLECTION
 PH CHECK (LAB)
 CONTAINER TYPE, PG
 CHEMICAL PRESERVATION
 A - NONE D - NAOH
 B - HNO₃ E - HCL
 C - H₂SO₄ F - ZINC ACETATE/NAOH
 G - NATHIOSULFATE

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

Sampler must place a "C" for composite sample or a "G" for Grab sample in the blocks above for each parameter requested. No 255040

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: 01/29/13
DATE REPORTED : 02/18/13

REVIEWED BY: 

| PARAMETERS | MDL | SWSL | Lagoon Analysis | | Method Code |
|---------------------------------|------|-------|-----------------|----------------|-------------|
| | | | Date | Analyst | |
| PH (field measurement), Units | | | 7.5 | 01/29/13 BF | 4500HB-00 |
| BOD, mg/l | 2.0 | 2.0 | --- | U 01/29/13 TRB | 5210B-01 |
| COD, mg/l | 20.0 | 20.0 | --- | U 02/05/13 TRB | H8000-79 |
| Nitrate Nitrogen as N, mg/l | 0.03 | 10.0 | 0.12 | J 01/30/13 BJC | 353.2 R2-93 |
| Total Phosphorus as P, mg/l | 0.04 | 0.04 | --- | U 01/31/13 BJC | 365.4-74 |
| Sulfate, mg/l | 5.0 | 250.0 | 11.0 | J 02/04/13 TRB | 4500S042E97 |
| Antimony, ug/l | 0.02 | 6.0 | 0.03 | J 02/05/13 LFF | EPA200.8 |
| Arsenic, ug/l | 0.13 | 10.0 | 0.26 | J 02/05/13 LFF | EPA200.8 |
| Barium, ug/l | 0.07 | 100.0 | 117 | 02/05/13 LFF | EPA200.8 |
| Beryllium, ug/l | 0.07 | 1.0 | --- | U 02/05/13 LFF | EPA200.8 |
| Cadmium, ug/l | 0.03 | 1.0 | --- | U 02/05/13 LFF | EPA200.8 |
| Cobalt, ug/l | 0.02 | 10.0 | 0.07 | J 02/05/13 LFF | EPA200.8 |
| Copper, ug/l | 0.06 | 10.0 | 0.17 | J 02/05/13 LFF | EPA200.8 |
| Total Chromium, ug/l | 0.18 | 10.0 | --- | U 02/05/13 LFF | EPA200.8 |
| Lead, ug/l | 0.08 | 10.0 | --- | U 02/05/13 LFF | EPA200.8 |
| Nickel, ug/l | 0.06 | 50.0 | 1.5 | J 02/05/13 LFF | EPA200.8 |
| Selenium, ug/l | 0.17 | 10.0 | --- | U 02/05/13 LFF | EPA200.8 |
| Silver, ug/l | 0.10 | 10.0 | --- | U 02/05/13 LFF | EPA200.8 |
| Thallium, ug/l | 0.07 | 5.5 | --- | U 02/05/13 LFF | EPA200.8 |
| Vanadium, ug/l | 0.10 | 25.0 | 0.15 | J 02/05/13 LFF | EPA200.8 |
| Zinc, ug/l | 0.48 | 10.0 | 6.9 | J 02/05/13 LFF | EPA200.8 |
| Turbidity, NTU | 1.0 | 1.0 | 5 | 01/29/13 BF | 2130B-01 |
| Conductivity (at 25c), uMhos/cm | 1.0 | 1.0 | 249 | 01/29/13 BF | 2510B-97 |
| Temperature, °C | | | 8 | 01/29/13 BF | 2550B-00 |

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

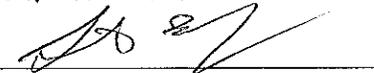
P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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: 01/29/13
DATE ANALYZED: 02/05/13
DATE REPORTED: 02/18/13

Page: 1

REVIEWED BY: 

VOLATILE ORGANICS
EPA METHOD 8260B R1(96)

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

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

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

CHAIN OF CUSTODY RECORD

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

CLIENT: 6053 A Week: 9

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

(252) 566-4194

| SAMPLE LOCATION | COLLECTION | | TOTAL CHLORINE, mg/l OR ug/l AT COLLECTION | TEMPERATURE, °C AT COLLECTION | # OF CONTAINERS | DISINFECTION | | | Field pH | BOD | COD | Nitrate | T. Phosphorus | Sulfate | Metals | Turbidity | Conductivity | Temperature | EPA 8260B | 8260 Dup. 1 | 8260 Dup. 2 | PARAMETERS | CLASSIFICATION: | |
|-----------------------|------------|--------------------|---|----------------------------------|-----------------|-----------------------------------|-----------------------------|-------------------------------|-----------|--------------------|-----------|--------------------|---------------|--------------------|-----------|--------------------|--------------|--------------------|-----------|--------------------|-------------|--------------------|---|--|
| | DATE | TIME | | | | <input type="checkbox"/> CHLORINE | <input type="checkbox"/> UV | <input type="checkbox"/> NONE | | | | | | | | | | | | | | | | |
| Lagoon | 1-29-15 | 1045 | | 8 | 10 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | A - NONE D - NAOH B - HNO ₃ E - HCL C - H ₂ SO ₄ F - ZINC ACETATE/NAOH G - NA THIOSULFATE | CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY N |
| REINQUISHED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) |
| REINQUISHED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) |
| REINQUISHED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) | DATE/TIME | RECEIVED BY (SIG.) |

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

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

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#: 628

LENOIR CO. LANDFILL (LEACHATE)
MR. TOM MILLER
LENOIR COUNTY LANDFILL
2949 HODGES FARM ROAD
LAGRANGE ,NC 28551

DATE COLLECTED: 01/29/13
DATE REPORTED : 02/28/13

REVIEWED BY: 

| PARAMETERS | Lagoon | Analysis | | Method |
|-----------------------------------|--------|----------|---------|-------------|
| | | Date | Analyst | Code |
| Total Suspended Residue, mg/l | <2.8 | 01/30/13 | HMB | 2540D-97 |
| Ammonia Nitrogen as N, mg/l | 0.64 | 01/31/13 | ANO | 350.1 R2-93 |
| Total Kjeldahl Nitrogen as N,mg/l | 1.63 | 01/31/13 | ANO | 351.2 R2-93 |
| Total Cyanide, mg/l | <0.005 | 02/04/13 | SEJ | 4500CNE-99 |
| Mercury, ug/l | <0.2 | 02/04/13 | ADD | 245.1 R3-94 |
| Molybdenum, ug/l | <10 | 02/05/13 | LFJ | EPA200.7 |

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

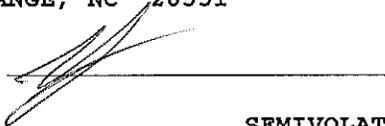
PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: LENOIR CO. LANDFILL (LEACHATE)
MR. TOM MILLER
LENOIR COUNTY LANDFILL
2949 HODGES FARM ROAD
LAGRANGE, NC 28551

CLIENT ID: 628

ANALYST: CHS
DATE COLLECTED: 01/29/13
DATE EXTRACTED: 01/31/13
DATE ANALYZED: 02/11/13
DATE REPORTED: 02/28/13

Page: 1

REVIEWED BY: 

SEMIVOLATILE ORGANICS
EPA METHOD 625

| PARAMETERS, ug/l | Lagoon |
|---------------------------------|---------|
| 1. N-Nitrosodimethylamine | <10.00 |
| 2. Phenol | <10.00 |
| 3. Bis(2-Chloroethyl) Ether | <10.00 |
| 4. 2-Chlorophenol | <10.00 |
| 5. 1,3-Dichlorobenzene | <10.00 |
| 6. 1,4-Dichlorobenzene | <10.00 |
| 7. 1,2-Dichlorobenzene | <10.00 |
| 8. Bis(2-Chloroisopropyl) Ether | <10.00 |
| 9. Hexachloroethane | <10.00 |
| 10. N-Nitrosodi-N-Propylamine | <10.00 |
| 11. Nitrobenzene | <10.00 |
| 12. Isophorone | <10.00 |
| 13. 2-Nitrophenol | <10.00 |
| 14. 2,4-Dimethylphenol | <10.00 |
| 15. Bis(2-Chloroethoxy) Methane | <10.00 |
| 16. 2,4-Dichlorophenol | <10.00 |
| 17. 1,2,4-Trichlorobenzene | <10.00 |
| 18. Naphthalene | <10.00 |
| 19. Hexachlorobutadiene | <10.00 |
| 20. 4-Chloro-3-Methylphenol | <20.00 |
| 21. Hexachlorocyclopentadiene | <10.00 |
| 22. 2,4,6-Trichlorophenol | <10.00 |
| 23. 2-Chloronaphthalene | <10.00 |
| 24. Acenaphthylene | <10.00 |
| 25. Dimethylphthalate | <10.00 |
| 26. 2,6-Dinitrotoluene | <10.00 |
| 27. Acenaphthene | <10.00 |
| 28. 2,4-Dinitrophenol | <50.00 |
| 29. 4-Nitrophenol | <50.00 |
| 30. 2,4-Dinitrotoluene | <10.00 |
| 31. Fluorene | <10.00 |
| 32. Diethylphthalate | <10.00 |
| 33. 4-Chlorophenyl Phenyl Ether | <10.00 |
| 34. 4,6-Dinitro-2-Methylphenol | <50.00 |
| 35. N-Nitrosodiphenylamine | <10.00 |
| 36. 4-Bromophenyl Phenyl Ether | <10.00 |
| 37. Hexachlorobenzene | <10.00 |
| 38. Pentachlorophenol | <50.00 |
| 39. Phenanthrene | <10.00 |
| 40. Anthracene | <10.00 |
| 41. Di-N-Butylphthalate | <10.00 |
| 42. Fluoranthene | <10.00 |
| 43. Benzidine | <100.00 |
| 44. Pyrene | <10.00 |
| 45. Butylbenzylphthalate | <10.00 |
| 46. Benzo[a]anthracene | <10.00 |
| 47. 3,3-Dichlorobenzidine | <10.00 |
| 48. Chrysene | <10.00 |

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 (LEACHATE)
MR. TOM MILLER
LENOIR COUNTY LANDFILL
2949 HODGES FARM ROAD
LAGRANGE, NC 28551

CLIENT ID: 628

ANALYST: CHS
DATE COLLECTED: 01/29/13
DATE EXTRACTED: 01/31/13
DATE ANALYZED: 02/11/13
DATE REPORTED: 02/28/13

Page: 2

REVIEWED BY: 

SEMIVOLATILE ORGANICS EPA METHOD 625

| PARAMETERS, ug/l | Lagoon |
|--------------------------------|--------|
| 49. Bis(2-Ethylhexyl)phthalate | <20.00 |
| 50. Di-N-Octylphthalate | <10.00 |
| 51. Benzo[b]fluoranthene | <10.00 |
| 52. Benzo[k]fluoranthene | <10.00 |
| 53. Benzo[a]pyrene | <10.00 |
| 54. Indeno(1,2,3-C,d)pyrene | <10.00 |
| 55. Dibenzo[a,h]anthracene | <10.00 |
| 56. Benzo[g,h,i]perylene | <10.00 |
| 57. 1,2-Diphenylhydrazine | <10.00 |

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

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

CLIENT: 628 Week: 7

LENOIR CO. LANDFILL (LEACHATE)
 MR. TOM MILLER
 LENOIR COUNTY LANDFILL
 2949 HODGES FARM ROAD
 LAGRANGE NC 28551

(252) 566-5408

CHAIN OF CUSTODY RECORD

| SAMPLE LOCATION | COLLECTION | | TOTAL CHLORINE, mg/l OR ug/l AT COLLECTION | TEMPERATURE, °C AT COLLECTION | # OF CONTAINERS | DISINFECTION | | | TSR | Ammonia Nitro. | TKN | Cyanide | Metals | EPA 625 | 625 Duplicate 1 | 625 Duplicate 2 | CHLORINE NEUTRALIZED AT COLLECTION | pH CHECK (LAB) | CONTAINER TYPE, P/G | CHEMICAL PRESERVATION | |
|--|------------|------|---|----------------------------------|-----------------|-------------------------------------|-------------------------------------|-------------------------------------|-----|----------------|-----|---------|--------|---------|-----------------|-----------------|------------------------------------|----------------|---------------------|-----------------------|--|
| | DATE | TIME | | | | <input type="checkbox"/> CHLORINE | <input type="checkbox"/> UV | <input type="checkbox"/> NONE | | | | | | | | | | | | | |
| Lagoon | 1-29-13 | 1045 | | 8 | 8 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | | | | | | |
| RELINQUISHED BY (SIG.) (SAMPLER) <i>Bobbie Fox</i> DATE/TIME <i>1-29-13 1330</i> RECEIVED BY (SIG.) <i>Bobbie Fox</i> DATE/TIME <i>1/29/13 1:30 pm</i> COMMENTS: | | | | | | | | | | | | | | | | | | | | | |
| RELINQUISHED BY (SIG.) DATE/TIME RECEIVED BY (SIG.) DATE/TIME | | | | | | | | | | | | | | | | | | | | | |
| CLASSIFICATION: <input checked="" type="checkbox"/> WASTEWATER (NPDES) <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> DMO/GW <input type="checkbox"/> SOLID WASTE SECTION CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY SAMPLES COLLECTED BY: <i>Bobbie/Serna</i> (Please Print) SAMPLES RECEIVED IN LAB AT <i>0.8</i> °C | | | | | | | | | | | | | | | | | | | | | |

PARAMETERS
 A - NONE D - NaOH
 B - HNO₃ E - HCL
 C - H₂SO₄ F - ZINC ACETATE/NaOH
 G - Na THIOSULFATE

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

Sampler must place a "C" for composite sample or a "G" for Grab sample in the blocks above for each parameter requested. No 253429

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#: 6010

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

DATE COLLECTED: 01/29/13
DATE REPORTED : 02/18/13

REVIEWED BY: 

| PARAMETERS | MDL | Equipment | | Trip | Field Analysis | | | Method | |
|----------------------|------|-----------|-------|-------|----------------|------|----------|--------|----------|
| | | SWSL | Blank | Blank | Blank | Date | Analyst | Code | |
| Antimony, ug/l | 0.02 | 6.0 | --- | U | --- | U | 02/05/13 | LPJ | EPA200.8 |
| Arsenic, ug/l | 0.13 | 10.0 | --- | U | 0.19 | J | 02/05/13 | LPJ | EPA200.8 |
| Barium, ug/l | 0.07 | 100.0 | 0.55 | J | 0.16 | J | 02/05/13 | LPJ | EPA200.8 |
| Beryllium, ug/l | 0.07 | 1.0 | --- | U | --- | U | 02/05/13 | LPJ | EPA200.8 |
| Cadmium, ug/l | 0.03 | 1.0 | --- | U | --- | U | 02/05/13 | LPJ | EPA200.8 |
| Cobalt, ug/l | 0.02 | 10.0 | --- | U | --- | U | 02/05/13 | LPJ | EPA200.8 |
| Copper, ug/l | 0.06 | 10.0 | 0.18 | J | 0.38 | J | 02/05/13 | LPJ | EPA200.8 |
| Total Chromium, ug/l | 0.18 | 10.0 | --- | U | 0.44 | J | 02/05/13 | LPJ | EPA200.8 |
| Lead, ug/l | 0.08 | 10.0 | --- | U | --- | U | 02/05/13 | LPJ | EPA200.8 |
| Mercury, ug/l | 0.02 | 0.20 | --- | U | --- | U | 02/05/13 | LPJ | EPA2020A |
| Nickel, ug/l | 0.06 | 50.0 | 0.34 | J | 0.21 | J | 02/05/13 | LPJ | EPA200.8 |
| Selenium, ug/l | 0.17 | 10.0 | --- | U | --- | U | 02/05/13 | LPJ | EPA200.8 |
| Silver, ug/l | 0.10 | 10.0 | --- | U | --- | U | 02/05/13 | LPJ | EPA200.8 |
| Thallium, ug/l | 0.07 | 5.5 | --- | U | --- | U | 02/05/13 | LPJ | EPA200.8 |
| Vanadium, ug/l | 0.10 | 25.0 | 0.16 | J | --- | U | 02/05/13 | LPJ | EPA200.8 |
| Zinc, ug/l | 0.48 | 10.0 | 5.3 | J | 2.4 | J | 02/05/13 | LPJ | EPA200.8 |

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

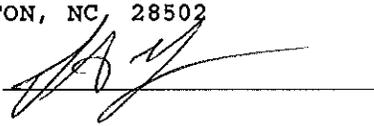
P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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

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

CLIENT ID: 6010
ANALYST: MAO
DATE COLLECTED: 01/29/13
DATE ANALYZED: 01/30/13
DATE REPORTED: 02/18/13

Page: 1

REVIEWED BY: 

VOLATILE ORGANICS
EPA METHOD 8260B R1(96)

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

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

