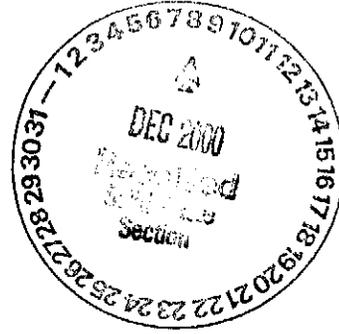


3 wells

06-01

10-20-00

Fac/Perm/Co ID #	Date	Doc ID#
BC	6/4/01	DIN



ENGINEERING TECTONICS, P.A.
ENGINEERS • GEOLOGISTS • HYDROLOGISTS

P.O. Box I, Winston-Salem, NC 27108 (336) 724-6994

* No VOCs

* Low concentrations of metals.



ENGINEERING TECTONICS, P.A.
GEOTECHNICAL & ENVIRONMENTAL ENGINEERS

P.O. Box I, Winston-Salem, NC 27108 (336) 724-6994



Wednesday, December 06, 2000

North Carolina Department of Environment, Health and Natural Resources
Solid Waste Division
PO Box 27687
Raleigh, North Carolina 27611-7687

Attention: Mr. Bill Myers

Subject: Groundwater Sampling Reports
Avery County C and D and former sanitary landfill Sites
Newland, North Carolina
Project No. 90-247

Dear Mr. Myers,

Please find enclosed copies of groundwater sampling reports for the Avery County sanitary and C and D landfills in Newland, North Carolina. If you have any questions concerning the above, please contact me at (336) 724-6994 extension 107. The next sampling event for the above sites is scheduled for April of 2001.

Sincerely,

ENGINEERING TECTONICS, P.A.

Daniel Bowser, PG
Senior Geologist

Enc.

Fac/Perm/Co ID #	Date	Doc ID#
Bc	6/4/01	DIN



Groundwater and Surface Water Monitoring Report

Old Avery County Landfill
Newland, North Carolina

ETPA Project No: 90-247

Prepared for:

County of Avery
PO Box 640
Newland, North Carolina 28657

Tuesday, November 7, 2000



Engineering Tectonics, P.A.
Environmental Geotechnical and Drilling Services
1720 Vargrave Street
Winston-Salem, North Carolina 27107
(336) 724-6994

Groundwater Monitoring Report

Groundwater Monitoring Well and Stream Sampling

On October 20, 2000, Engineering Tectonics, P.A. (ETPA) personnel mobilized to the Old Avery County Landfill to sample three (3) groundwater monitoring wells (MW-1 through MW-3), as well as to collect two (2) stream samples (Stream 1 and Stream 2), as per North Carolina Department of Environment and Natural Resources (NCDENR) permit #06-02. Please refer to Figure 1 for a site location map. Stream sample 1 was collected upstream of MW-3 from a branch of Brushy Creek immediately bordering the site. Stream 2 was collected from Brushy Creek downstream of the landfill. See Figure 2 for a site map of the landfill with sample locations shown.

The depth to water was measured in each monitoring well, and each well was purged prior to sampling with a new disposable Teflon bailer. A minimum of three volumes of water was purged from each well, and water samples collected according to EPA sampling protocols. The samples were packed on ice, and sent to an analytical laboratory, using EPA approved chain of custody procedures. The samples were submitted for analysis using EPA method 8260, chloride, fluoride, nitrate, pH, TDS, sulfate, arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, and specific conductivity. A field measurement of pH was also taken. Standard Procedures for Groundwater Sampling are included in Appendix A. Please note that no samples were filtered in the field.

Static Ground Water Elevations

Static water levels were measured as 9.80, 12.00, and 12.05 feet for monitoring wells MW-1, MW-2, and MW-3, respectively (see Table 1). A groundwater contour map is included as Figure 3.

Laboratory Results

Field measurements and laboratory results for groundwater and stream samples are presented in Tables 2 and 3. Field measurements indicate that all of the monitoring wells had a pH lower than the allowable range of 6.5-8.5 set by NCDENR. The most recent prior monitoring event (April 28, 2000), revealed pH readings were out of compliance with NCDENR limits in monitoring well two at 6.40.

The level of lead in MW-1 and MW-2 was reported to be 0.022 parts per million (ppm) and 0.091 parts per million (ppm) respectively, which is above the limit of 0.015 ppm set by NCDENR. Previously (4/28/00), MW-2 was out of compliance for lead with 0.021 ppm. All well and stream samples were ND (Not Detected) for EPA Method 8260. A copy of the laboratory results is included in Appendix B.

Both of the stream samples were in compliance for pH. This represents a decrease in pH during the previous measuring event of 4/28/00. The rest of the test results on the stream samples are in compliance with the standard levels set by NCDENR.

Limitations and Certification

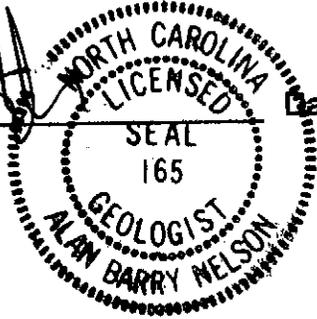
This report has been prepared for the exclusive use of **Avery County** for specific application to the subject site. The report was prepared in accordance with generally accepted standards of practice for environmental services in this region of the United States. No other warranty, either expressed or implied, is made. This report is not to be reproduced, either in whole or in part, without written consent from **ENGINEERING TECTONICS, P.A.**

Our on-site observations pertain only to specific locations, at specific times, on specific dates. Our observations and conclusions do not reflect variations in unverified and/or subsurface conditions that may exist at or between sampling and/or observation locations, or at times other than those represented by our observations.

In providing this report, ENGINEERING TECTONICS, P.A. does not assume any responsibilities of the party, or parties, deemed legally responsible for the subject site.

Prepared by: Chris Allen Date: 11-7-00
Chris Allen
Environmental Scientist

Alan Barry Nelson Date: _____
Barry Nelson, P.G.
Chief Geologist



Tables

Table 1
Groundwater Elevations

Station	Total Depth	Elevation	Static	GW Elevation
MW-1	24'	76.98	9.80	67.18
MW-2	15'	79.29	12.00	67.29
MW-3	15'	100.00	12.05	87.95

Note:

All measurements are in feet and are taken from each well's top of PVC casing (TOC), with the exception of MW-2, measurements for this point were/are taken from the top of the metal outer casing of the well.

Survey conducted on 10/29/98.

MW-3 was used as a temporary bench mark with an assumed elevation of 100.00 feet

Static measurements taken on 10/20/00.

Table 2**Groundwater Monitoring Well Laboratory Results**

October 20, 2000

Analysis	MW-1	MW-2	MW-3	2L Standard
Specific Conductivity	190 umhos/cm	50 umhos/cm	130 umhos/cm	
Chloride	29	2.4	7.9	250
Fluoride	0.20	< 0.10	< 0.10	2.0
Nitrate	< 0.10	< 0.10	< 0.10	10.0
pH	5.7	5.7	5.9	6.5-8.5
TDS	130.0	84.0	84.0	NA
Sulfate	2.6	6.1	1.6	250
Arsenic	ND	ND	ND	0.05
Barium	0.36	0.050	0.036	2.0
Cadmium	0.002	0.002	ND	0.005
Chromium	0.005	0.017	ND	0.05
Lead	0.022	0.091	ND	0.015
Mercury	< 0.0002	< 0.0002	< 0.0002	0.0011
Selenium	ND	ND	ND	0.05
Silver	ND	ND	ND	0.018

Results are presented in parts per million (ppm) unless otherwise specified.

Results presented in **BOLD** are in violation of 2L standards.

NA = Not Applicable.

ND = Not Detected at the report limit.

< (Less Than) is a detectable level of the test parameter, but below the lab reporting limits.

Table 3

Stream Sampling Laboratory Results

October 20, 2000

"Downstream"

C+D LF is upstream of this LF - see map.

Analysis	Stream 1	Stream 2	Surface Water Standards
Specific Conductivity	73 umhos/cm	46 umhos/cm	
Chloride	< 1.0	1.5	230
Fluoride	0.68	0.19	1.8
Nitrate	0.92	0.11	10.0
pH	6.5	6.90	6.0-8.5
TDS	60.0	72.0	NA
Sulfate	< 1.0	3.1	250
Arsenic	ND	ND	0.05
Barium	0.011	0.014	1.0
Cadmium	ND	ND	0.002
Chromium	ND	ND	0.05
Lead	ND	0.006	0.025
Mercury	ND	< 0.0002	0.000012
Selenium	ND	ND	0.005
Silver	ND	ND	0.00006

Results are presented in parts per million (ppm) unless otherwise specified.

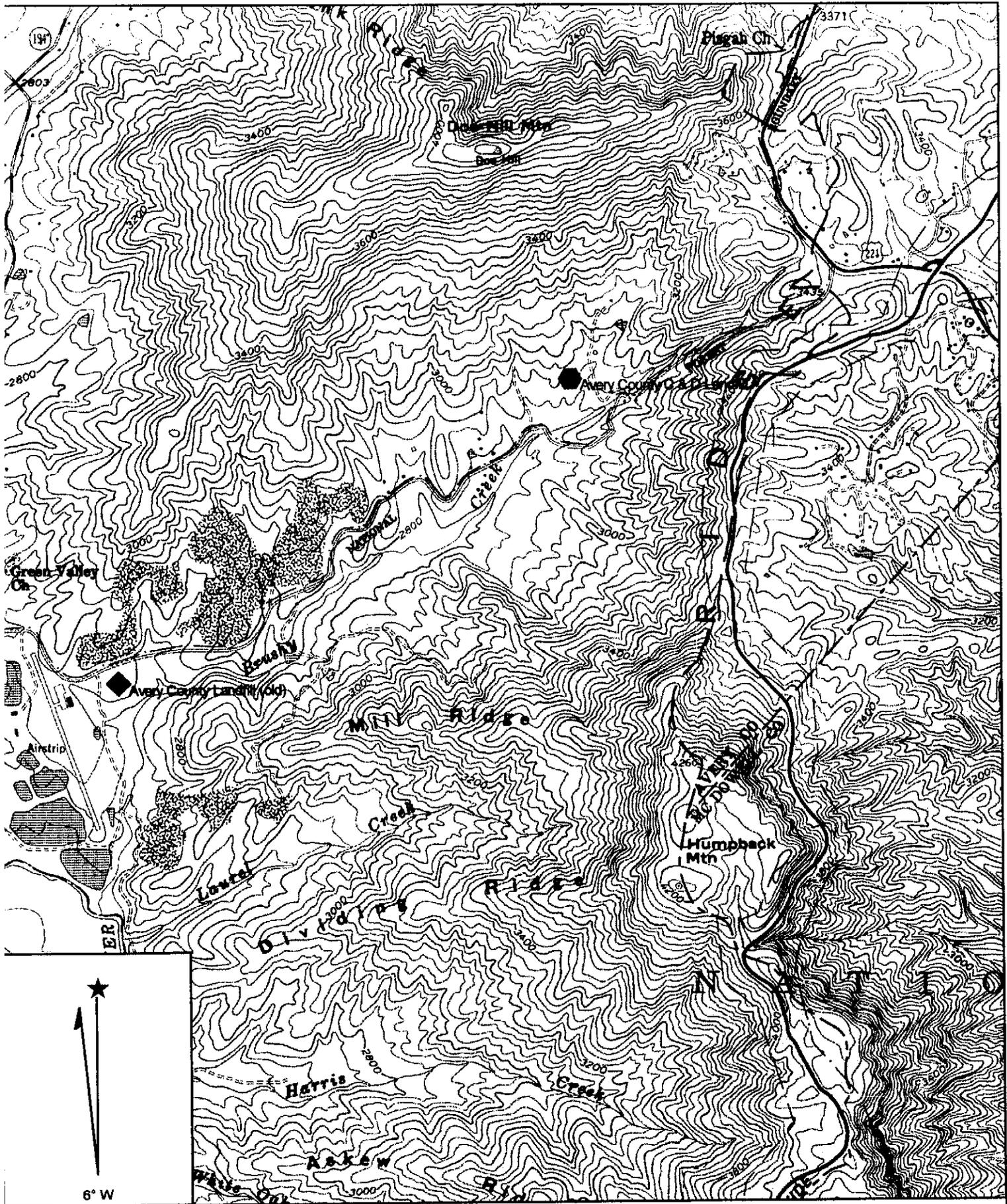
Results presented in **BOLD** are in violation of surface water standards.

NA = Not Applicable.

ND = Not Detected, Below Method Detection Limits.

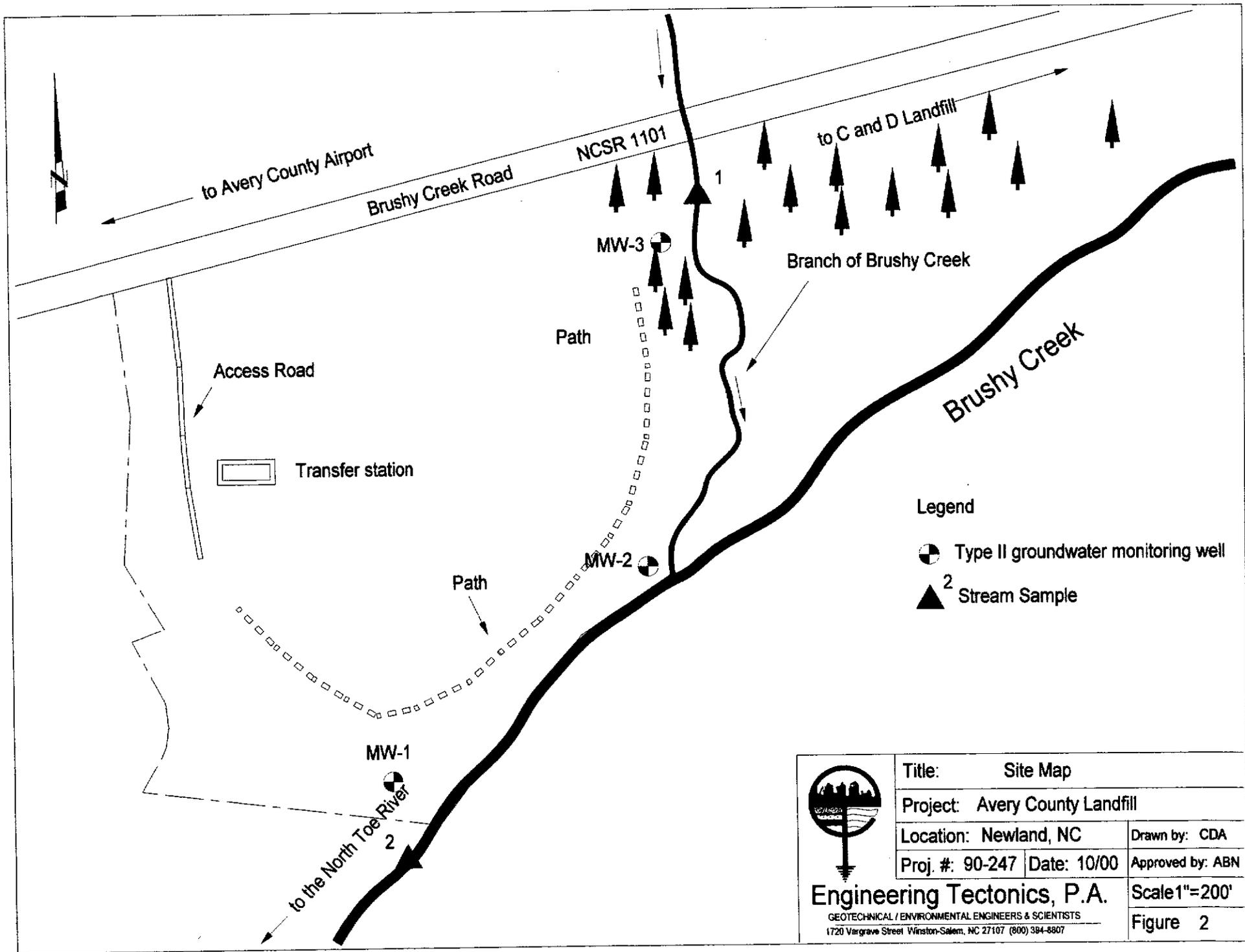
< (Less Than) is a detectable level of the test parameter, but below the lab reporting limits.

Figures



Name: LINVILLE FALLS
 Date: 11/2/2000
 Scale: 1 inch equals 2000 feet

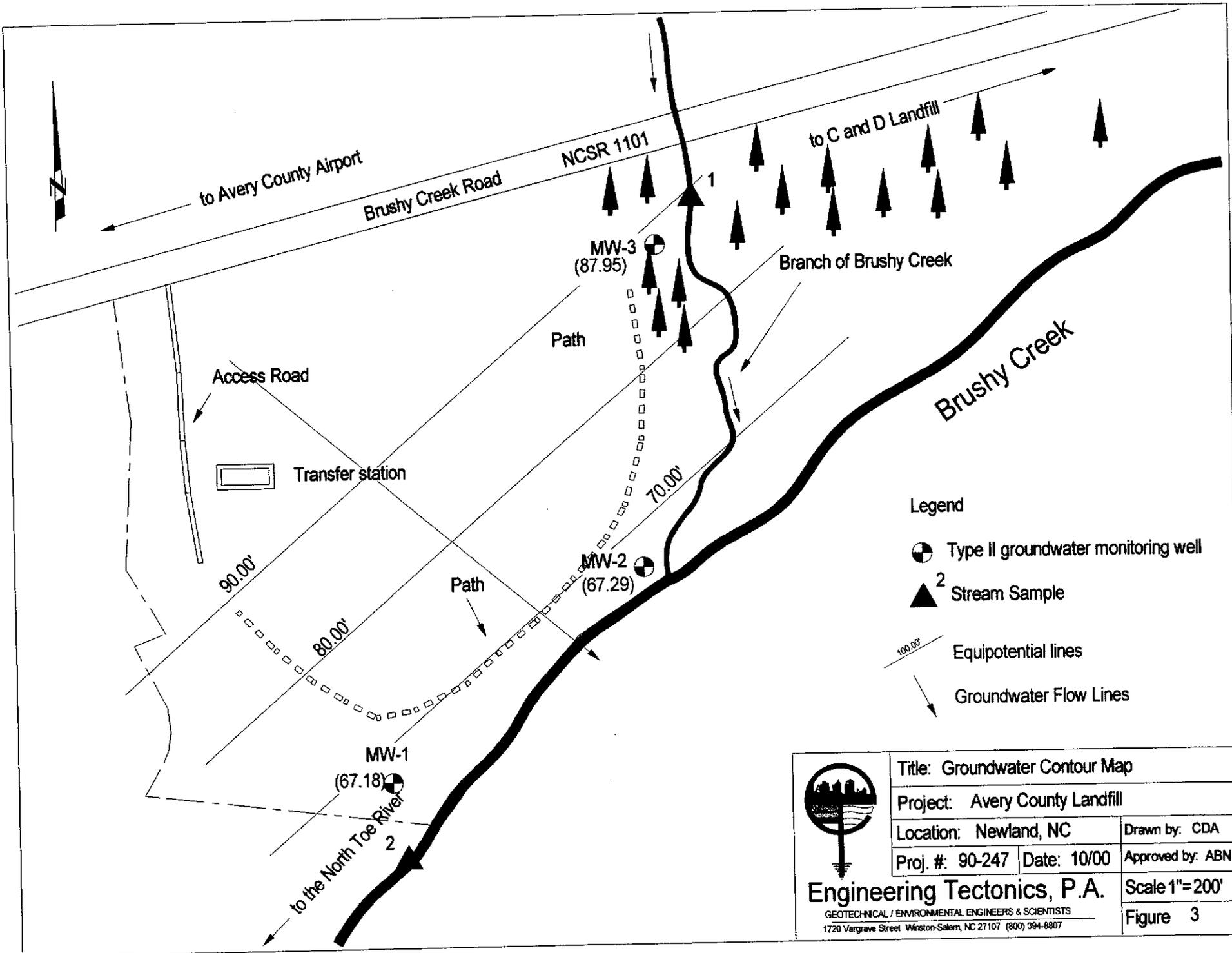
Location: 035° 57' 03.8" N 081° 58' 22.8" W
 Caption: Figure 1 Site Location Map



Legend

-  Type II groundwater monitoring well
-  Stream Sample

	Title: Site Map	
	Project: Avery County Landfill	
	Location: Newland, NC	Drawn by: CDA
	Proj. #: 90-247	Date: 10/00
Engineering Tectonics, P.A. GEOTECHNICAL / ENVIRONMENTAL ENGINEERS & SCIENTISTS 1720 Vargrave Street Winston-Salem, NC 27107 (800) 394-8807		Approved by: ABN Scale 1"=200' Figure 2



Legend

-  Type II groundwater monitoring well
-  Stream Sample
-  Equipotential lines
-  Groundwater Flow Lines

		Title: Groundwater Contour Map	
		Project: Avery County Landfill	
Location: Newland, NC		Drawn by: CDA	
Proj. #: 90-247	Date: 10/00	Approved by: ABN	
Engineering Tectonics, P.A.		Scale 1"=200'	
GEOTECHNICAL / ENVIRONMENTAL ENGINEERS & SCIENTISTS		Figure 3	
1720 Vargrave Street Winston-Salem, NC 27107 (800) 394-8807			

Appendix A

ENGINEERING TECTONICS, PA

Standard Procedures SP-7

- Field Procedures For Collection of
Ground Water Samples



Engineering Tectonics, P.A.
Environmental, Geotechnical, and Drilling Services
1720 Vargrave Street
Winston-Salem, North Carolina 27107
(336) 724-6994

CONTENTS

1.0	PURPOSE	2
2.0	SCOPE	2
3.0	RESPONSIBILITY	2
4.0	SUPPORTING PROCEDURES	2
5.0	REQUIRED FORMS	2
6.0	PROCEDURE	2
	6.1 Selection of Sampling Locations	2
	6.2 Equipment List	3
	6.3 Sample Collection	3

Field Procedures for the Collection of Groundwater Samples

1.0 PURPOSE

To establish a standard procedure for collection of ground water samples.

2.0 SCOPE

The following procedure describes the logistics, collection techniques and documentation requirements for collecting ground water samples.

3.0 RESPONSIBILITY

Project Manager, Project Hydrogeologist, and Field Sampling Technicians.

4.0 SUPPORTING PROCEDURES

SP-3 Cleaning of Glassware and Equipment for Field Sampling Programs.

SP-2 Chain-of-Custody Procedures.

SP-4 Soil and Water Sample Preservation Procedures

SP-8 Filtering of Water for Dissolved Metals Analysis.

5.0 REQUIRED FORMS

Chain-of-Custody forms.

6.0 PROCEDURE

6.1 Selection of Sampling Locations

Groundwater sampling locations in and around a contaminated site are typically existing domestic, production, and groundwater monitoring wells. The location of new groundwater sampling points will be based upon the review of existing site geohydrological data, the results of preliminary site surveys, and the initial estimates of the extent of contamination. The groundwater sampling locations will be chosen by the project geologist/engineer. If

possible, one upgradient and three downgradient samples from the uppermost aquifer will be taken.

6.2 Equipment List

1. Latex gloves and any other personal safety equipment specified in the Site Health and Safety Plan.
2. Sample containers. Number and kind will depend on the analytical requirements.
3. Device to measure water levels in wells to within 0.01 feet. Typically a fiberglass tape with a "plopper" or chalk, or an electronic water level indicator, is used.
4. Field notebook.
5. Sample bottle labels.
6. A large volume bailer or pump to evacuate the wells.
7. Teflon or PVC bailer with polypropylene or stainless steel cable or a peristaltic pump with Teflon tubing, as appropriate.
8. 50-foot length of garden hose (needed only when sampling from domestic, production and other wells where the sample will be obtained from the existing well pump).

6.3 Sample Collection

Prior to the evacuation of groundwater from any well, the depth to water shall be measured to the nearest 0.01 feet. A fiberglass or steel tape marked with chalk or an electric water sensing device (e.g., Slope Indicator Water Mark) shall be used for this purpose. The device must be decontaminated to avoid contamination of the well. The depth to water is typically measured from a reference point established on the top of the inner well casing is recorded in the field notebook along with the length of casing stick-up above the ground surface. If both an inner and outer casing are present, the one used as the measurement reference point shall be identified and the vertical distance between the two measured and recorded as well as the stick-up of the outer casing. The depth of the well bottom shall be sounded and the depth recorded to ascertain the well's integrity and any siltation problems.

To introduce fresh formation water into the well, a minimum of three well volumes must be evacuated from the well prior to sampling. If a well is evacuated dry prior to removing four well volumes, the evacuation is considered complete and the well is allowed to recharge to at least 75% of its original volume prior to sampling. Field parameters (i.e., pH, specific conductance and temperature) may be measured periodically during well evacuation to aid in determining water stabilization. Evacuation is accomplished by bailing with a large volume (1.5 liter) bailer, or by pumping. Whichever method is used, it must be assured that any materials (hose, bailer, tubing, pumps, rope, etc.) entering the well be clean. If the same device is being used to evacuate a number of wells, the device must be cleaned with detergent, water, acetone and deionized water between each well to prevent cross-contamination.

The sampling procedure for groundwater is as follows:

Prior to collecting any water samples, place a waterproof sample label on each clean container with the following information:

- Project Number
- Project Name
- Sample No.
- Date
- Analysis Required
- Preservative:
- Collection Time
- Initials of Collector

Fill in the information with a waterproof ink pen. This will prevent difficulty in filling out labels on a wet jar after it is filled.

Collect the groundwater sample using a clean bailer. Latex gloves shall be worn during this procedure. The temperature, pH, and conductivity of the evacuated water should be determined immediately after sample collection. These measurements should not be taken from any sample bottles being sent to the analytical laboratory for chemical analysis.

The vials for volatile organic analysis should always be filled with the initial bailer of water. When filling the 40 ml septum vials, care should be exercised to eliminate the formation of air bubbles. Slightly over-fill the vial, and screw on the cap. Then turn the vial upside down and tap lightly to check for air bubbles. Air bubbles of any size should not rise to the bottom of the vial. (Tiny bubbles can introduce significant error.) If air bubbles are present, empty the vial and repeat the procedure with a fresh bailer of water.

Fill all the remaining containers directly from the bailer, unless the well is to be sampled in duplicate. If a duplicate water sample is required, the water should be composited in a large clean container, prior to filling the sample bottles. Samples requiring volatile organic analysis should not be composited, however, an attempt should be made to fill all the vials with the initial bailer of water.

Avoid overflow of the bottles or jars already containing preservative (pre-preserved). All samples should be gently mixed after collection and checked for proper preservation with indicator paper (i.e. pH paper).

If dissolved metals analysis are required, an extra bottle (no preservative) will be filled and the metals container (pre-preserved with nitric acid) will remain empty. After the water sample is field filtered through a 0.45 micron membrane filter, transfer the water into the pre-preserved metals container. This will constitute a sample for dissolved metals analysis. See Engineering Tectonics, PA Technical Standard No. 8, "Filtering of Water Samples for Dissolved Metals Analysis".

If samples have not been pre-preserved, preserve them as soon as possible after collection and preparation.

Place all sample containers into a shipping container, cool with ice packs and complete the Chain-of-Custody form.

Detail in the field notebook the following:

- sample identification number
- location of the sample (on the sketch map)
- time and date of sampling
- personnel performing task depth to water table, reference mark, casing(s) stick-up, and vertical distance between inner and outer casing
- Amount evacuated from well and device used for evacuation
- Visual or sensory description of the sample (color, odor, turbidity, etc.)
- Weather conditions both present and previous to sampling
- Other pertinent observations
- Sign the entry

Make sure the well is secured after sampling.

If sampling devices are to be dedicated to a particular sample location, they will be placed in a plastic bag after their use and marked or tagged:

DEDICATED TO PROJECT NO.

SAMPLE LOCATION NO.

The tags should also indicate that the dedicated equipment needs cleaning before next use. Alternatively, the sampling devices can be left hanging in the well.

Field investigations requiring more than one sampling event should include the use of a Master Sample Logbook and a Field Notebook. At the end of each day all samples shall be recorded in the Master Logbook. Calibration of field instruments and field chemistry measurements such as pH shall be recorded in the Field Notebook.

Appendix B

10/31/00

Page 1 of 28

ETPA
Kevin Puckett
1720 Vargrave Street
Winston-Salem, NC 27108

Customer Project ID: **Avery Co Landfill**
Customer Sample ID: **MW-1**
Prism Sample ID: **AB86186**
Login Group: **AOO27G8**
Sample Collection Date/Time: **10/20/00 11:00**
Lab Submittal Date/Time: **10/20/00 17:35**

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
METALS DIGESTION METHOD GW	Completed			3010	10/24/00 14:00	PRF
ARSENIC	Not detected	mg/L	0.010	6010B	10/26/00 20:51	MSP
BARIUM	0.36	mg/L	0.010	6010B	10/26/00 20:51	MSP
CADMIUM	0.002	mg/L	0.001	6010B	10/26/00 20:51	MSP
CHROMIUM	0.005	mg/L	0.005	6010B	10/26/00 20:51	MSP
LEAD	0.022	mg/L	0.005	6010B	10/26/00 20:51	MSP
SELENIUM	Not detected	mg/L	0.010	6010B	10/26/00 20:51	MSP
SILVER	Not detected	mg/L	0.005	6010B	10/26/00 20:51	MSP

MERCURY, TOTAL	Less than	mg/L	0.0002	EPA 245.1	10/24/00 19:49	PRF
MERCURY DIGESTION	Completed			EPA 245.1	10/24/00 15:30	PRF
SULFATE	2.6	mg/L	1.0	EPA 300	10/23/00 13:32	TAR
NITRATE	Less than	mg/L	0.10	EPA 300	10/23/00 22:48	TAR
CHLORIDE	29	mg/L	1.0	EPA 300.0	10/23/00 13:32	TAR
FLUORIDE	0.20	mg/L	0.10	EPA 300.0	10/26/00 18:02	TAR
CONDUCTIVITY	190	umhos/cm	10	SM 2510 B	10/26/00 14:15	SMG
TOTAL DISSOLVED RESIDUE	130	mg/L	40	SM 2540C	10/23/00 19:10	EHT
DISTILLATION FOR FLUORIDE	Completed			SM 4500-F B	10/24/00 18:30	EHT
BENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
BROMOBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
BROMOCHLOROMETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
BROMODICHLOROMETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
BROMOFORM	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
BROMOMETHANE	Not detected	ug/L	10	SW846-8260B	10/24/00 15:04	MP
N-BUTYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
SEC-BUTYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
TERT-BUTYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
CHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
CHLORODIBROMOMETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
CHLOROETHANE	Not detected	ug/L	10	SW846-8260B	10/24/00 15:04	MP

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

Lab Report



Full Service Analytical & Environmental Solutions

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10/31/00

ETPA

Kevin Puckett

1720 Vargrave Street

Winston-Salem, NC 27108

Customer Project ID: Avery Co Landfill

Customer Sample ID: MW-1

Prism Sample ID: AB86186

Login Group: AOO27G8

Sample Collection Date/Time: 10/20/00 11:00

Lab Submittal Date/Time: 10/20/00 17:35

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
CHLOROFORM	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
CHLOROMETHANE	Not detected	ug/L	10	SW846-8260B	10/24/00 15:04	MP
2-CHLOROTOLUENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
4-CHLOROTOLUENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	ug/L	10	SW846-8260B	10/24/00 15:04	MP
1,2-DIBROMOETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
DIBROMOMETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
1,2-DICHLOROENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
1,3-DICHLOROENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
1,4-DICHLOROENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
DICHLORODIFLUOROMETHANE	Not detected	ug/L	10	SW846-8260B	10/24/00 15:04	MP
1,1-DICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
1,2-DICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
1,1-DICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
CIS-1,2-DICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
1,2-DICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
1,3-DICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
2,2-DICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
1,1-DICHLOROPROPENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
ETHYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
HEXACHLOROBUTADIENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
ISOPROPYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
P-ISOPROPYLTOLUENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
METHYLENE CHLORIDE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
NAPHTHALENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
N-PROPYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
STYRENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
1,1,1,2-TETRACHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

Lab Report



10/31/00

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ETPA
Kevin Puckett
1720 Vargrave Street
Winston-Salem, NC 27108

Customer Project ID: Avery Co Landfill
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Prism Sample ID: AB86186
Login Group: AOO27G8
Sample Collection Date/Time: 10/20/00 11:00
Lab Submittal Date/Time: 10/20/00 17:35

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TETRACHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
TOLUENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
1,2,3-TRICHLOROENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
1,2,4-TRICHLOROENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
1,1,1-TRICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
1,1,2-TRICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
TRICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
TRICHLOROFLUOROMETHANE	Not detected	ug/L	10	SW846-8260B	10/24/00 15:04	MP
1,2,3-TRICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
1,2,4-TRIMETHYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
1,3,5-TRIMETHYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
VINYL CHLORIDE	Not detected	ug/L	10	SW846-8260B	10/24/00 15:04	MP
TOTAL XYLENES	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
cis-1,3-DICHLOROPROPENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
trans-1,3-DICHLOROPROPENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
ACETONE	Not detected	ug/L	50	SW846-8260B	10/24/00 15:04	MP
2-BUTANONE (MEK)	Not detected	ug/L	10	SW846-8260B	10/24/00 15:04	MP
CARBON DISULFIDE	Not detected	ug/L	50	SW846-8260B	10/24/00 15:04	MP
CARBON TETRACHLORIDE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:04	MP
2-CHLOROETHYLVINYLEETHER	Not detected	ug/L	10	SW846-8260B	10/24/00 15:04	MP
2-HEXANONE	Not detected	ug/L	10	SW846-8260B	10/24/00 15:04	MP
4-METHYL-2-PENTANONE (MIBK)	Not detected	ug/L	10	SW846-8260B	10/24/00 15:04	MP

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

Lab Report



10/31/00

ETPA

Kevin Puckett

1720 Vargrave Street

Winston-Salem, NC 27108

Customer Project ID: Avery Co Landfill

Customer Sample ID: MW-1

Prism Sample ID: AB86186

Login Group: AOO27G8

Sample Collection Date/Time: 10/20/00 11:00

Lab Submittal Date/Time: 10/20/00 17:35

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
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Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

10/31/00

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ETPA
Kevin Puckett
1720 Vargrave Street
Winston-Salem, NC 27108

Customer Project ID: Avery Co Landfill
Customer Sample ID: MW-2
Prism Sample ID: AB86187
Login Group: AOO27G8
Sample Collection Date/Time: 10/20/00 11:00
Lab Submittal Date/Time: 10/20/00 17:35

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
METALS DIGESTION METHOD GW	Completed			3010	10/24/00 14:00	PRF
ARSENIC	Not detected	mg/L	0.010	6010B	10/26/00 21:06	MSP
BARIUM	0.050	mg/L	0.010	6010B	10/26/00 21:06	MSP
CADMIUM	0.002	mg/L	0.001	6010B	10/26/00 21:06	MSP
CHROMIUM	0.017	mg/L	0.005	6010B	10/26/00 21:06	MSP
LEAD	0.091	mg/L	0.005	6010B	10/26/00 21:06	MSP
SELENIUM	Not detected	mg/L	0.010	6010B	10/26/00 21:06	MSP
SILVER	Not detected	mg/L	0.005	6010B	10/26/00 21:06	MSP

MERCURY, TOTAL	Less than	mg/L	0.0002	EPA 245.1	10/24/00 19:53	PRF
MERCURY DIGESTION	Completed			EPA 245.1	10/24/00 15:30	PRF
SULFATE	6.1	mg/L	1.0	EPA 300	10/23/00 13:50	TAR
NITRATE	Less than	mg/L	0.10	EPA 300	10/23/00 23:07	TAR
CHLORIDE	2.4	mg/L	1.0	EPA 300.0	10/23/00 13:50	TAR
FLUORIDE	Less than	mg/L	0.10	EPA 300.0	10/26/00 18:23	TAR
CONDUCTIVITY	50	umhos/cm	10	SM 2510 B	10/26/00 14:15	SMG
TOTAL DISSOLVED RESIDUE	84	mg/L	40	SM 2540C	10/23/00 19:10	EHT
DISTILLATION FOR FLUORIDE	Completed			SM 4500-F B	10/24/00 20:00	EHT
BENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
BROMOBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
BROMOCHLOROMETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
BROMODICHLOROMETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
BROMOFORM	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
BROMOMETHANE	Not detected	ug/L	10	SW846-8260B	10/24/00 15:53	MP
N-BUTYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
SEC-BUTYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
TERT-BUTYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
CHLOROENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
CHLORODIBROMOMETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
CHLOROETHANE	Not detected	ug/L	10	SW846-8260B	10/24/00 15:53	MP

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

10/31/00

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ETPA
Kevin Puckett
1720 Vargrave Street
Winston-Salem, NC 27108

Customer Project ID: Avery Co Landfill
Customer Sample ID: MW-2
Prism Sample ID: AB86187
Login Group: AOO27G8
Sample Collection Date/Time: 10/20/00 11:00
Lab Submittal Date/Time: 10/20/00 17:35

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
CHLOROFORM	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
CHLOROMETHANE	Not detected	ug/L	10	SW846-8260B	10/24/00 15:53	MP
2-CHLOROTOLUENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
4-CHLOROTOLUENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	ug/L	10	SW846-8260B	10/24/00 15:53	MP
1,2-DIBROMOETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
DIBROMOMETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
1,2-DICHLOROENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
1,3-DICHLOROENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
1,4-DICHLOROENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
DICHLORODIFLUOROMETHANE	Not detected	ug/L	10	SW846-8260B	10/24/00 15:53	MP
1,1-DICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
1,2-DICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
1,1-DICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
CIS-1,2-DICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
1,2-DICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
1,3-DICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
2,2-DICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
1,1-DICHLOROPROPENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
ETHYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
HEXACHLOROBUTADIENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
ISOPROPYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
P-ISOPROPYLTOLUENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
METHYLENE CHLORIDE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
NAPHTHALENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
N-PROPYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
STYRENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
1,1,1,2-TETRACHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

10/31/00

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ETPA
Kevin Puckett
1720 Vargrave Street
Winston-Salem, NC 27108

Customer Project ID: Avery Co Landfill
Customer Sample ID: MW-2
Prism Sample ID: AB86187
Login Group: AOO27G8
Sample Collection Date/Time: 10/20/00 11:00
Lab Submittal Date/Time: 10/20/00 17:35

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TETRACHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
TOLUENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
1,2,3-TRICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
1,2,4-TRICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
1,1,1-TRICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
1,1,2-TRICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
TRICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
TRICHLOROFLUOROMETHANE	Not detected	ug/L	10	SW846-8260B	10/24/00 15:53	MP
1,2,3-TRICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
1,2,4-TRIMETHYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
1,3,5-TRIMETHYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
VINYL CHLORIDE	Not detected	ug/L	10	SW846-8260B	10/24/00 15:53	MP
TOTAL XYLENES	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
cis-1,3-DICHLOROPROPENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
trans-1,3-DICHLOROPROPENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
ACETONE	Not detected	ug/L	50	SW846-8260B	10/24/00 15:53	MP
2-BUTANONE (MEK)	Not detected	ug/L	10	SW846-8260B	10/24/00 15:53	MP
CARBON DISULFIDE	Not detected	ug/L	50	SW846-8260B	10/24/00 15:53	MP
CARBON TETRACHLORIDE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 15:53	MP
2-CHLOROETHYLVINYLETHER	Not detected	ug/L	10	SW846-8260B	10/24/00 15:53	MP
2-HEXANONE	Not detected	ug/L	10	SW846-8260B	10/24/00 15:53	MP
4-METHYL-2-PENTANONE (MIBK)	Not detected	ug/L	10	SW846-8260B	10/24/00 15:53	MP

Lab Report



10/31/00

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ETPA

Kevin Puckett

1720 Vargrave Street

Winston-Salem, NC 27108

Customer Project ID: Avery Co Landfill

Customer Sample ID: MW-2

Prism Sample ID: AB86187

Login Group: AOO27G8

Sample Collection Date/Time: 10/20/00 11:00

Lab Submittal Date/Time: 10/20/00 17:35

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
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Sample Comments:

A handwritten signature in black ink, appearing to read "AO", is written over the "Sample Comments" section.

Angela D. Overcash, V.P. Laboratory Services

10/31/00

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ETPA
Kevin Puckett
1720 Vargrave Street
Winston-Salem, NC 27108

Customer Project ID: Avery Co Landfill
Customer Sample ID: MW-3
Prism Sample ID: AB86188
Login Group: AOO27G8
Sample Collection Date/Time: 10/20/00 12:00
Lab Submittal Date/Time: 10/20/00 17:35

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
METALS DIGESTION METHOD GW	Completed			3010	10/24/00 14:00	PRF
ARSENIC	Not detected	mg/L	0.010	6010B	10/26/00 21:10	MSP
BARIUM	0.036	mg/L	0.010	6010B	10/26/00 21:10	MSP
CADMIUM	Not detected	mg/L	0.001	6010B	10/26/00 21:10	MSP
CHROMIUM	Not detected	mg/L	0.005	6010B	10/26/00 21:10	MSP
LEAD	Not detected	mg/L	0.005	6010B	10/26/00 21:10	MSP
SELENIUM	Not detected	mg/L	0.010	6010B	10/26/00 21:10	MSP
SILVER	Not detected	mg/L	0.005	6010B	10/26/00 21:10	MSP

MERCURY DIGESTION	Completed			EPA 245.1	10/24/00 15:30	PRF
MERCURY, TOTAL	Less than	mg/L	0.0002	EPA 245.1	10/24/00 19:57	PRF
SULFATE	1.6	mg/L	1.0	EPA 300	10/23/00 14:09	TAR
NITRATE	Less than	mg/L	0.10	EPA 300	10/23/00 23:25	TAR
CHLORIDE	7.9	mg/L	1.0	EPA 300.0	10/23/00 14:09	TAR
FLUORIDE	Less than	mg/L	0.10	EPA 300.0	10/26/00 18:43	TAR
CONDUCTIVITY	130	umhos/cm	10	SM 2510 B	10/26/00 14:15	SMG
TOTAL DISSOLVED RESIDUE	84	mg/L	40	SM 2540C	10/23/00 19:10	EHT
DISTILLATION FOR FLUORIDE	Completed			SM 4500-F B	10/24/00 21:30	EHT
BENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
BROMOBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
BROMOCHLOROMETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
BROMODICHLOROMETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
BROMOFORM	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
BROMOMETHANE	Not detected	ug/L	10	SW846-8260B	10/24/00 16:45	MP
N-BUTYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
SEC-BUTYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
TERT-BUTYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
CHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
CHLORODIBROMOMETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
CHLOROETHANE	Not detected	ug/L	10	SW846-8260B	10/24/00 16:45	MP

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

Lab Report



10/31/00

ETPA

Kevin Puckett

1720 Vargrave Street

Winston-Salem, NC 27108

Customer Project ID: Avery Co Landfill

Customer Sample ID: MW-3

Prism Sample ID: AB86188

Login Group: AOO27G8

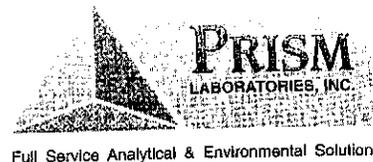
Sample Collection Date/Time: 10/20/00 12:00

Lab Submittal Date/Time: 10/20/00 17:35

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
CHLOROFORM	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
CHLOROMETHANE	Not detected	ug/L	10	SW846-8260B	10/24/00 16:45	MP
2-CHLOROTOLUENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
4-CHLOROTOLUENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	ug/L	10	SW846-8260B	10/24/00 16:45	MP
1,2-DIBROMOETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
DIBROMOMETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
1,2-DICHLOROENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
1,3-DICHLOROENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
1,4-DICHLOROENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
DICHLORODIFLUOROMETHANE	Not detected	ug/L	10	SW846-8260B	10/24/00 16:45	MP
1,1-DICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
1,2-DICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
1,1-DICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
CIS-1,2-DICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
1,2-DICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
1,3-DICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
2,2-DICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
1,1-DICHLOROPROPENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
ETHYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
HEXACHLOROBTADIENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
ISOPROPYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
P-ISOPROPYLTOLUENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
METHYLENE CHLORIDE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
NAPHTHALENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
N-PROPYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
STYRENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
1,1,1,2-TETRACHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP

Lab Report



10/31/00
 ETPA
 Kevin Puckett
 1720 Vargrave Street
 Winston-Salem, NC 27108

Customer Project ID: Avery Co Landfill
Customer Sample ID: MW-3
Prism Sample ID: AB86188
 Login Group: AOO27G8
 Sample Collection Date/Time: 10/20/00 12:00
 Lab Submittal Date/Time: 10/20/00 17:35

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TETRACHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
TOLUENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
1,2,3-TRICHLOROENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
1,2,4-TRICHLOROENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
1,1,1-TRICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
1,1,2-TRICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
TRICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
TRICHLOROFLUOROMETHANE	Not detected	ug/L	10	SW846-8260B	10/24/00 16:45	MP
1,2,3-TRICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
1,2,4-TRIMETHYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
1,3,5-TRIMETHYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
VINYL CHLORIDE	Not detected	ug/L	10	SW846-8260B	10/24/00 16:45	MP
TOTAL XYLENES	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
cis-1,3-DICHLOROPROPENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
trans-1,3-DICHLOROPROPENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
ACETONE	Not detected	ug/L	50	SW846-8260B	10/24/00 16:45	MP
2-BUTANONE (MEK)	Not detected	ug/L	10	SW846-8260B	10/24/00 16:45	MP
CARBON DISULFIDE	Not detected	ug/L	50	SW846-8260B	10/24/00 16:45	MP
CARBON TETRACHLORIDE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 16:45	MP
2-CHLOROETHYLVINYLEETHER	Not detected	ug/L	10	SW846-8260B	10/24/00 16:45	MP
2-HEXANONE	Not detected	ug/L	10	SW846-8260B	10/24/00 16:45	MP
4-METHYL-2-PENTANONE (MIBK)	Not detected	ug/L	10	SW846-8260B	10/24/00 16:45	MP

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ETPA
Kevin Puckett
1720 Vargrave Street
Winston-Salem, NC 27108

Customer Project ID: Avery Co Landfill
Customer Sample ID: MW-3
Prism Sample ID: AB86188
Login Group: AOO27G8
Sample Collection Date/Time: 10/20/00 12:00
Lab Submittal Date/Time: 10/20/00 17:35

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
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Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

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ETPA
Kevin Puckett
1720 Vargrave Street
Winston-Salem, NC 27108

Customer Project ID: Avery Co Landfill
Customer Sample ID: STREAM 1
Prism Sample ID: AB86189
Login Group: AOO27G8
Sample Collection Date/Time: 10/20/00 12:00
Lab Submittal Date/Time: 10/20/00 17:35

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
METALS DIGESTION METHOD GW	Completed			3010	10/24/00 14:00	PRF
ARSENIC	Not detected	mg/L	0.010	6010B	10/26/00 21:15	MSP
BARIUM	0.011	mg/L	0.010	6010B	10/26/00 21:15	MSP
CADMIUM	Not detected	mg/L	0.001	6010B	10/26/00 21:15	MSP
CHROMIUM	Not detected	mg/L	0.005	6010B	10/26/00 21:15	MSP
LEAD	Not detected	mg/L	0.005	6010B	10/26/00 21:15	MSP
SELENIUM	Not detected	mg/L	0.010	6010B	10/26/00 21:15	MSP
SILVER	Not detected	mg/L	0.005	6010B	10/26/00 21:15	MSP

MERCURY, TOTAL	Less than	mg/L	0.0002	EPA 245.1	10/26/00 13:39	PRF
MERCURY DIGESTION	Completed			EPA 245:1	10/25/00 12:00	PRF
SULFATE	Less than	mg/L	1.0	EPA 300	10/23/00 14:27	TAR
NITRATE	0.92	mg/L	0.10	EPA 300	10/23/00 23:44	TAR
CHLORIDE	Less than	mg/L	1.0	EPA 300.0	10/23/00 14:27	TAR
FLUORIDE	0.68	mg/L	0.10	EPA 300.0	10/26/00 19:04	TAR
CONDUCTIVITY	73	umhos/cm	10	SM 2510 B	10/26/00 14:15	SMG
TOTAL DISSOLVED RESIDUE	60	mg/L	40	SM 2540C	10/23/00 19:10	EHT
DISTILLATION FOR FLUORIDE	Completed			SM 4500-F B	10/24/00 17:40	EHT
BENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
BROMOBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
BROMOCHLOROMETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
BROMODICHLOROMETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
BROMOFORM	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
BROMOMETHANE	Not detected	ug/L	10	SW846-8260B	10/24/00 17:41	MP
N-BUTYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
SEC-BUTYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
TERT-BUTYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
CHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
CHLORODIBROMOMETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
CHLOROETHANE	Not detected	ug/L	10	SW846-8260B	10/24/00 17:41	MP

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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ETPA
Kevin Puckett
1720 Vargrave Street
Winston-Salem, NC 27108

Customer Project ID: Avery Co Landfill
Customer Sample ID: STREAM 1
Prism Sample ID: AB86189
Login Group: AOO27G8
Sample Collection Date/Time: 10/20/00 12:00
Lab Submittal Date/Time: 10/20/00 17:35

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
CHLOROFORM	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
CHLOROMETHANE	Not detected	ug/L	10	SW846-8260B	10/24/00 17:41	MP
2-CHLOROTOLUENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
4-CHLOROTOLUENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	ug/L	10	SW846-8260B	10/24/00 17:41	MP
1,2-DIBROMOETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
DIBROMOMETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
1,2-DICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
1,3-DICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
1,4-DICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
DICHLORODIFLUOROMETHANE	Not detected	ug/L	10	SW846-8260B	10/24/00 17:41	MP
1,1-DICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
1,2-DICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
1,1-DICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
CIS-1,2-DICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
1,2-DICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
1,3-DICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
2,2-DICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
1,1-DICHLOROPROPENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
ETHYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
HEXACHLOROBUTADIENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
ISOPROPYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
P-ISOPROPYLTOLUENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
METHYLENE CHLORIDE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
NAPHTHALENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
N-PROPYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
STYRENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
1,1,1,2-TETRACHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

Lab Report



Full Service Analytical & Environmental Solutions

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ETPA
Kevin Puckett
1720 Vargrave Street
Winston-Salem, NC 27108

Customer Project ID: Avery Co Landfill

Customer Sample ID: STREAM 1

Prism Sample ID: AB86189

Login Group: AOO27G8

Sample Collection Date/Time: 10/20/00 12:00

Lab Submittal Date/Time: 10/20/00 17:35

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory

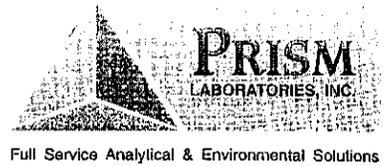
TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TETRACHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
TOLUENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
1,2,3-TRICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
1,2,4-TRICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
1,1,1-TRICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
1,1,2-TRICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
TRICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
TRICHLOROFUOROMETHANE	Not detected	ug/L	10	SW846-8260B	10/24/00 17:41	MP
1,2,3-TRICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
1,2,4-TRIMETHYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
1,3,5-TRIMETHYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
VINYL CHLORIDE	Not detected	ug/L	10	SW846-8260B	10/24/00 17:41	MP
TOTAL XYLENES	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
cis-1,3-DICHLOROPROPENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
trans-1,3-DICHLOROPROPENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
ACETONE	Not detected	ug/L	50	SW846-8260B	10/24/00 17:41	MP
2-BUTANONE (MEK)	Not detected	ug/L	10	SW846-8260B	10/24/00 17:41	MP
CARBON DISULFIDE	Not detected	ug/L	50	SW846-8260B	10/24/00 17:41	MP
CARBON TETRACHLORIDE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 17:41	MP
2-CHLOROETHYLVINYLETHER	Not detected	ug/L	10	SW846-8260B	10/24/00 17:41	MP
2-HEXANONE	Not detected	ug/L	10	SW846-8260B	10/24/00 17:41	MP
4-METHYL-2-PENTANONE (MIBK)	Not detected	ug/L	10	SW846-8260B	10/24/00 17:41	MP

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

Lab Report



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ETPA
 Kevin Puckett
 1720 Vargrave Street
 Winston-Salem, NC 27108

Customer Project ID: Avery Co Landfill
Customer Sample ID: 2
Prism Sample ID: AB86190
 Login Group: AOO27G8
 Sample Collection Date/Time: 10/20/00 13:00
 Lab Submittal Date/Time: 10/20/00 17:35

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
METALS DIGESTION METHOD GW	Completed			3010	10/24/00 14:00	PRF
ARSENIC	Not detected	mg/L	0.010	6010B	10/26/00 21:19	MSP
BARIUM	0.014	mg/L	0.010	6010B	10/26/00 21:19	MSP
CADMIUM	Not detected	mg/L	0.001	6010B	10/26/00 21:19	MSP
CHROMIUM	Not detected	mg/L	0.005	6010B	10/26/00 21:19	MSP
LEAD	0.006	mg/L	0.005	6010B	10/26/00 21:19	MSP
SELENIUM	Not detected	mg/L	0.010	6010B	10/26/00 21:19	MSP
SILVER	Not detected	mg/L	0.005	6010B	10/26/00 21:19	MSP

MERCURY DIGESTION	Completed			EPA 245.1	10/25/00 12:00	PRF
MERCURY, TOTAL	Less than	mg/L	0.0002	EPA 245.1	10/26/00 14:00	PRF
SULFATE	3.1	mg/L	1.0	EPA 300	10/23/00 14:46	TAR
NITRATE	0.11	mg/L	0.10	EPA 300	10/24/00 00:02	TAR
CHLORIDE	1.5	mg/L	1.0	EPA 300.0	10/23/00 14:46	TAR
FLUORIDE	0.19	mg/L	0.10	EPA 300.0	10/26/00 19:24	TAR
CONDUCTIVITY	46	umhos/cm	10	SM 2510 B	10/26/00 14:15	SMG
TOTAL DISSOLVED RESIDUE	72	mg/L	40	SM 2540C	10/23/00 19:10	EHT
DISTILLATION FOR FLUORIDE	Completed			SM 4500-F B	10/24/00 18:30	EHT
BENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
BROMOBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
BROMOCHLOROMETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
BROMODICHLOROMETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
BROMOFORM	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
BROMOMETHANE	Not detected	ug/L	10	SW846-8260B	10/24/00 18:23	MP
N-BUTYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
SEC-BUTYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
TERT-BUTYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
CHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
CHLORODIBROMOMETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
CHLOROETHANE	Not detected	ug/L	10	SW846-8260B	10/24/00 18:23	MP

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

10/31/00

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ETPA

Customer Project ID: Avery Co Landfill

Kevin Puckett

Customer Sample ID: 2

1720 Vargrave Street

Prism Sample ID: AB86190

Winston-Salem, NC 27108

Login Group: AOO27G8

Sample Collection Date/Time: 10/20/00 13:00

Lab Submittal Date/Time: 10/20/00 17:35

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
CHLOROFORM	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
CHLOROMETHANE	Not detected	ug/L	10	SW846-8260B	10/24/00 18:23	MP
2-CHLOROTOLUENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
4-CHLOROTOLUENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	ug/L	10	SW846-8260B	10/24/00 18:23	MP
1,2-DIBROMOETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
DIBROMOMETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
1,2-DICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
1,3-DICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
1,4-DICHLOROBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
DICHLORODIFLUOROMETHANE	Not detected	ug/L	10	SW846-8260B	10/24/00 18:23	MP
1,1-DICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
1,2-DICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
1,1-DICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
CIS-1,2-DICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
1,2-DICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
1,3-DICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
2,2-DICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
1,1-DICHLOROPROPENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
ETHYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
HEXACHLOROBUTADIENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
ISOPROPYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
P-ISOPROPYLTOLUENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
METHYLENE CHLORIDE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
NAPHTHALENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
N-PROPYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
STYRENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
1,1,1,2-TETRACHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

Lab Report



Full Service Analytical & Environmental Solutions

10/31/00

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ETPA

Kevin Puckett

1720 Vargrave Street

Winston-Salem, NC 27108

Customer Project ID: Avery Co Landfill

Customer Sample ID: 2

Prism Sample ID: AB86190

Login Group: AOO27G8

Sample Collection Date/Time: 10/20/00 13:00

Lab Submittal Date/Time: 10/20/00 17:35

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TETRACHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
TOLUENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
1,2,3-TRICHLOROENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
1,2,4-TRICHLOROENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
1,1,1-TRICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
1,1,2-TRICHLOROETHANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
TRICHLOROETHENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
TRICHLOROFLUOROMETHANE	Not detected	ug/L	10	SW846-8260B	10/24/00 18:23	MP
1,2,3-TRICHLOROPROPANE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
1,2,4-TRIMETHYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
1,3,5-TRIMETHYLBENZENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
VINYL CHLORIDE	Not detected	ug/L	10	SW846-8260B	10/24/00 18:23	MP
TOTAL XYLENES	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
cis-1,3-DICHLOROPROPENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
trans-1,3-DICHLOROPROPENE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
ACETONE	Not detected	ug/L	50	SW846-8260B	10/24/00 18:23	MP
2-BUTANONE (MEK)	Not detected	ug/L	10	SW846-8260B	10/24/00 18:23	MP
CARBON DISULFIDE	Not detected	ug/L	50	SW846-8260B	10/24/00 18:23	MP
CARBON TETRACHLORIDE	Not detected	ug/L	5.0	SW846-8260B	10/24/00 18:23	MP
2-CHLOROETHYLVINYLETHER	Not detected	ug/L	10	SW846-8260B	10/24/00 18:23	MP
2-HEXANONE	Not detected	ug/L	10	SW846-8260B	10/24/00 18:23	MP
4-METHYL-2-PENTANONE (MIBK)	Not detected	ug/L	10	SW846-8260B	10/24/00 18:23	MP

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

Lab Report



10/31/00

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ETPA

Kevin Puckett

1720 Vargrave Street

Winston-Salem, NC 27108

Customer Project ID: Avery Co Landfill

Customer Sample ID: 2

Prism Sample ID: AB86190

Login Group: AOO27G8

Sample Collection Date/Time: 10/20/00 13:00

Lab Submittal Date/Time: 10/20/00 17:35

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
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Sample Comments:

Angela D. Overcash, V.P. Laboratory Services



Full Service Analytical & Environmental Solutions

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1 QUOTE #

449 Springbrook Road ▲ Charlotte, NC 28217
P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Fax: 704/525-0409

LAB USE ONLY			
	YES	NO	N/A
Samples INTACT upon arrival?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received ON WET ICE? Temp <u>Out</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER PRESERVATIVES indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received WITHIN HOLDING TIMES?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CUSTODY SEALS INTACT?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VOLATILES rec'd W/OUT HEADSPACE?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PROPER CONTAINERS used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PRESS DOWN FIRMLY - 3 COPIES

Client Engineering Tectonics
 Physical Address 1729 Vargrave St
Winston-Salem NC 27107
 Phone 336 724 6944 Fax 336 724 7075
 P.O.#/Billing Reference _____
 Project Name Avery County Landfill

REPORT TO: Name SAME (Kevin Pickett)
 Address _____
 BILL TO: Name SAME
 Address _____
 Requested Due Date _____

State Certification
 Requested NC SC _____ Other _____ NA _____
 Water Chlorinated Yes _____ No _____ NA _____
 Sample Iced Upon Collection Yes No _____

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER			PRESERVATIVES	ANALYSES REQUESTED						REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
				*TYPE SEE BELOW	NO.	SIZE		8060	metals	Spa. Conductivity	Chloride	F.M. (mm)	Sulfate TDS			
<u>Old Landfill</u>	<u>10-20-00</u>															
<u>mu-1</u>		<u>1100</u>	<u>H₂O</u>	<u>P96</u>	<u>6</u>		<u>H₂O/Hex</u>	<input checked="" type="checkbox"/>		<u>86186</u>	<u>86187</u>					
<u>mu-2</u>		<u>1100</u>						<input checked="" type="checkbox"/>		<u>86187</u>	<u>86188</u>					
<u>mu-3</u>		<u>1200</u>						<input checked="" type="checkbox"/>		<u>86188</u>	<u>86189</u>					
<u>Stream 1</u>		<u>1200</u>						<input checked="" type="checkbox"/>		<u>86189</u>	<u>86190</u>					
<u>2</u>		<u>1300</u>						<input checked="" type="checkbox"/>		<u>86190</u>	<u>86191</u>					
<u>CD Landfill mu1</u>		<u>1300</u>						<input checked="" type="checkbox"/>		<u>86191</u>	<u>86192</u>					
<u>CD mu-2</u>		<u>1300</u>						<input checked="" type="checkbox"/>		<u>86192</u>	<u>86193</u>					
<u>CD mu-3</u>		<u>1300</u>						<input checked="" type="checkbox"/>		<u>86193</u>	<u>86194</u>					

Sampler's Signature Kevin Pickett Sampled By (Print Name) Kevin Pickett Affiliation ETPA

Relinquished By: (Signature) <u>Kevin Pickett</u>	Received By: (Signature) <u>Catherine Dull</u>	Date <u>10/20/00</u>	Military/Hours <u>1545</u>	Additional Comments
Relinquished By: (Signature) _____	Received By: (Signature) _____	Date _____		
Relinquished By: (Signature) <u>Catherine Dull</u>	Received For Prism Laboratories By: _____	Date <u>10/20/00</u>	<u>1735</u>	A002768
Method of Shipment _____		Log-In Group No. <u>124968</u>		

NPDES NC _____ UST: NC _____ GROUNDWATER: NC _____ DRINKING WATER NC _____ SOLID WASTE: NC _____ OTHER: NC _____
 SC _____ SC _____ SC _____ SC _____ SC _____ SC _____
 OTHER _____ OTHER _____ OTHER _____ OTHER _____

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

SEE REVERSE FOR TERMS & CONDITIONS