

CERTIFICATE OF ANALYSIS

Client: Ambler Borough
122 E Butler Ave
Ambler PA 19002

Report Date: 11/22/2010
Project: D.E.P.
Project No.: Asb.SamplingDistSystem

TEM WATER SAMPLE ANALYSIS SUMMARY

<u>Lab No.</u>	<u>Client No.</u>	<u>Location</u>	<u>Total Asbestos Concentration</u>	<u>Asbestos Concentration Fibers > 10 Microns</u>	<u>Asbestos Types</u>
4144604	AC-3	Sampled-11-16-10 2:10PM Analyzed-11-2-10 TolandDr./MilitiaHillRd.;Potable	<0.06 Million Fibers/Liter	<0.06 Million Fibers/Liter	None Detected

NJ DEP 03863

NVLAP Lab Code 101165-0

NYS-DOH No. 11021

Methodology: EPA Method For Determining Asbestos In Drinking Water (EPA 600/4-83-043) and EPA Method 100.1 and 100.2
NYSDOH Method For Waterborne Asbestos (ELAP 198.2)

*IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client. Samples are not blank corrected.
This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government*

Minimum detection limit dependant upon turbidity of sample and volume filtered. National Primary Drinking Water Regulations under EPA's Safe Drinking Water Act dictates maximum contaminant levels for asbestos at 7.0 million fibers per liter. EPA and NYS-DOH regulations require segregation of overall fiber concentration, total asbestos concentration and asbestos concentration of fibers > 10 microns in length.

Analysis Performed By: C. Liska

Approved By: _____

Date: 11/22/2010

Transmission Electron Microscopy - Sample Data

Client: Ambler Borough
122 E Butler Ave
Ambler PA 19002

Report Date: 11/22/2010
Project: D.E.P.
Project No.: Asb.SamplingDistSystem

IATL No.: 4144604

Description/ Location: Sampled-11-16-10 2:10PM
Analyzed-11-2-10
TolandDr./MilitiaHillRd ;Potable

Client Sample No.: AC-3

Volume Filtered: 300.0 Milliliters
Filter Type: MCE
Filter Size: 962 mm²
Pore Size: 0.10 µm

ANALYSIS RESULTS:

Grid Openings: 4
Opening Area: 0.130 mm²
Area Analyzed: 0.052 mm²
Detection Limit: 0.060 Million Fibers/Liter
Sensitivity: 19.2 Fibers/mm²

ASBESTOS FIBERS:

> 0.5 Microns: None Detected
Concentration: <0.06 Million Fibers/Liter
> 10 Microns: None Detected
Concentration: <0.06 Million Fibers/Liter
Types Identified: None Detected
Type 2:
Type 3:

NON-ASBESTOS FIBERS: None Detected
Concentration: <0.06 Million Fibers/Liter
Types Identified: None Detected
Type 2:
Type 3:
Type 4:

Micrograph Number:
X-Ray Spectrum Number:

Methodology: EPA Method For Determining Asbestos In Drinking Water (EPA 600/4-83-043) and EPA Method 100.1 and 100.2.
NYSDOH Method For Waterborne Asbestos (ELAP 198.2)

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Analysis Performed By: C. Liska

Date: 11/22/2010



Chain of Custody

Client: AMBLER BOROUGH
122 E. BUTLER AVE.
AMBLER PA. 19002

Project Name: DEP.
Project No.: ASBESTOS SAMPLING
DISTRIBUTION SYSTEM

Office Phone: 215 646-1000 EX. 124
Cell Phone: 215 778-5770
FAX/Email 1: 215 641-1921

Contact 1: Philip Benigno
Contact 2: Frank Scalfaro
FAX/Email 2: 215-641-1921

Special Instructions: _____

Matrix:
 Air Soil Bulk Other _____
 Water Paint Surface Dust / Wipe _____

Analysis Method:

<input type="checkbox"/> PCM : NIOSH 7400	See Page 2 for Bulk Asbestos Specific Log	<input type="checkbox"/> TEM : AHERA
<input type="checkbox"/> PCM : OSHA	<input type="checkbox"/> PLM : Bulk Asbestos EPA 600	<input type="checkbox"/> TEM : NIOSH 7402
<input type="checkbox"/> PCM : TWA	<input type="checkbox"/> PLM : Point Counting 198.1	<input type="checkbox"/> TEM : Dust / Wipe
<input type="checkbox"/> AAS : Lead in Air	<input type="checkbox"/> PLM : NOB via 198.1 (PLM only)	<input type="checkbox"/> TEM : Dust / Microvac
<input checked="" type="checkbox"/> AAS : Lead in Water	<input type="checkbox"/> If <1% by PLM, to TEM via 198.4 ²	<input type="checkbox"/> TEM : NOB 198.4
<input type="checkbox"/> AAS : Lead in Paint	<input type="checkbox"/> PLM : See page 2 for instructions	<input type="checkbox"/> TEM : Bulk Analysis
<input type="checkbox"/> AAS : Lead Dust/Wipe ¹	See Page 4 for Mold Specific Log	<input checked="" type="checkbox"/> TEM : Potable Water
<input type="checkbox"/> AAS : Lead in Soil	<input type="checkbox"/> IAQ : I Bioaerosol Fungal Spore Trap ³	<input type="checkbox"/> TEM : Non-Potable Water
<input type="checkbox"/> AAS : TCLP	<input type="checkbox"/> IAQ : II Bioaerosol Fungal Spore Trap ⁴	<input type="checkbox"/> TEM : Other _____
<input type="checkbox"/> AAS : Metals (Cd, Zn, Cr)	<input type="checkbox"/> IAQ : Tape, Bulk, Misc. Qualitative ³	<input type="checkbox"/> Total Dust : NIOSH 0500
	<input type="checkbox"/> IAQ : Tape, Bulk, Misc. Quantitative ³	<input type="checkbox"/> Total Dust : NIOSH 0600
	<input type="checkbox"/> IAQ : Other Culturable ID ³	

1- Requires ASTM acceptable material 2- Call to confirm TAT 3- Non-culturable 4- With Non-fungal Microscopic Exam

Turnaround Time: Preliminary Results Requested By... _____ Verbals FAX Email

date / time

10 Day 5 Day 3 Day 2 Day 1 Day* 12 Hour** 6 Hour** RUSH**

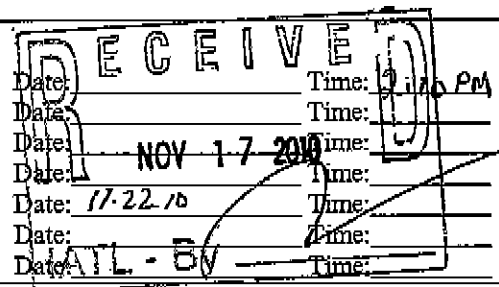
* End of next business day unless otherwise specified. ** Matrix Dependent. Please notify the lab before shipping.

Sample Numbers: Client #(s): AC-3 - AC-3 IATL #(s): _____ Total: _____
(start) (end) (start) (end)

Please use your sample log to supply sampling information (ex. Volumes, areas, descriptions, locations, etc.) or download forms at iatl.com

Chain of Custody:

Relinquished (Name / Organization): <u>Frank Scalfaro</u>	Date: _____	Time: <u>2:10 PM</u>
Received (Name / IATL): _____	Date: _____	Time: _____
Sample Login (Name / IATL): <u>QNS III 77</u>	Date: <u>NOV 17 2010</u>	Time: _____
Sample Prep (Name / IATL): _____	Date: _____	Time: _____
Analysis (Name(s) / IATL): _____	Date: <u>11-22-10</u>	Time: _____
QA/QC Review (Name / IATL): _____	Date: _____	Time: _____
Archived / Released: _____	Date: <u>IATL-BV</u>	Time: _____
QA/QC InterLAB Use: _____		



Chain of Custody

- Bulk Asbestos Sample Log -

Client: Ambleborough
122 E Butler Ave
Ambleborough PA 19002

Project Name: D.E.P.
Project No.: _____

PLM Special Instructions:

- PLM : Bulk Asbestos Building Materials EPA 600 / R 93-116
- PLM : Point Counting
 - PC : via ELAP 198.1
 - PC : 400 Points
 - PC : 800 Points *
 - PC : 1600 Points *
- PLM : Gravimetric Reduction
 - PLM : NOB via 198.1
 - PLM : Friable via EPA 600 2.3
 - If <1% by PLM, to TEM via 198.4 *
 - If <1% by PLM, Hold for Instructions
- PLM : Analyze Until Positive (Positive Stop)
 - AUP : by Homogenous Area as Noted
 - AUP : by Material Type as Noted
- PLM : Non-Building Material *, **(Dust, Wipe, Tape, Soil)
 - Soil or Vermiculite Analysis *, **
- PLM: Instructions for Multi-Layered Samples
 - Analyze and Report All Separable Layers per EPA 600
 - Report Composite for Drywall Systems per NESHAP
 - Report All Layers and Composite Where Applicable
 - Only Analyze and Report Specifically Noted Layer

* Additional charge and turnaround may be required. ** Alternative Method (ex: EPA 600/R-04/004) may be recommended by Laboratory.

Sampling Date: _____

Client Sample ID:	IATL Sample ID:	Sample Description / Location	Notes
AC-3	4144604	11-16-10 Toland Dr., Militia Hill Rd	2:10 PM
		prep BR 11/22/10 0.10um MCE filter	
		300ml Aliquot	