IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Ambler Borough
122 E Butler Ave
Ambler PA 19002

Report Date: 11/14/2010
Project: D.E.P.
Project No.: Asb.Samp.Dis.System

TEM WATER SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location	Total Asbestos Concentration	Asbestos Concentration Fibers > 10 Microns	Asbestos Types
4138503	AC-1	Sampled-11-8-10 8:55AM Analyzed-11-14-10 Davis&MarieRd;Potable	<0.08 Million Fibers/Liter	<0.08 Million Fibers/Liter	None Detected
4138504	AC-2	Sampled-11-8-10 10:50AM Analyzed-11-14-10 Madison&HartanftAve;Potable	<0.09 Million Fibers/Liter	<0.09 Million Fibers/Liter	None Detected
4138505	AC-3	Sampled-11-8-10 1:30AM Analyzed-11-14-10 Toland&MilitaHillRd;Potable	0.09 Million Fibers/Liter	<0.09 Million Fibers/Liter	Chrysotile
4138506	AC-4	Sampled-11-8-10 9:30AM Analyzed-11-14-10 Batleson&AldrinDr;Potable	<0.09 Million Fibers/Liter	<0.09 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: J. Silcox

Approved By:

Date: 11/14/2010

Frank E. Ehrenfeld, III
Laboratory Director

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 0805
Telephone: 856-231-9449 Fax: 856-231-981

Transmission Electron Microscopy - Sample Data

Client: Ambler Borough
122 E Butler Ave
Ambler PA 19002

Report Date: 11/14/2010
Project: D.E.P.
Project No.: Asb.Samp.Dis.System

IATL No.: 4138503
Client Sample No.: AC-1

Description/ Location: Sampled-11-8-10 8:55AM
Analyzed-11-14-10
Davis&MarieRd;Potable

Volume Filtered:	150.0 Milliliters
Filter Type:	MCE
Filter Size:	962 mm^2
Pore Size:	0.10 µm
ANALYSIS RESULTS:	
Grid Openings:	6
Opening Area:	0.013 mm^2
Area Analyzed:	0.078 mm^2
Detection Limit:	0.080 Million Fibers/Liter
Sensitivity:	12.8 Fibers/mm^2
ASBESTOS FIBERS:	
> 0.5 Microns:	None Detected
Concentration:	<0.08 Million Fibers/Liter
> 10 Microns:	None Detected
Concentration:	<0.08 Million Fibers/Liter
Types Identified:	None Detected
Type 2:	
Type 3:	
NON-ASBESTOS FIBERS:	None Detected
Concentration:	<0.08 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)

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client. 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.

Analysis Performed By: J. Silcox

Date: 11/14/2010

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9819

Transmission Electron Microscopy - Sample Data

Client: Ambler Borough
122 E Butler Ave
Ambler PA 19002

Report Date: 11/14/2010
Project: D.E.P.
Project No.: Asb.Samp.Dis.System

IATL No.: 4138504
Client Sample No.: AC-2

Description/ Location: Sampled-11-8-10 10:50AM
Analyzed-11-14-10
Madison&HartanftAve;Potable

Volume Filtered:	100.0 Milliliters
Filter Type:	MCE
Filter Size:	962 mm²
Pore Size:	0.10 µm
ANALYSIS RESULTS:	
Grid Openings:	8
Opening Area:	0.013 mm²
Area Analyzed:	0.104 mm²
Detection Limit:	0.090 Million Fibers/Liter
Sensitivity:	9.6 Fibers/mm²
ASBESTOS FIBERS:	
> 0.5 Microns:	None Detected
Concentration:	<0.09 Million Fibers/Liter
> 10 Microns:	None Detected
Concentration:	<0.09 Million Fibers/Liter
Types Identified:	None Detected
Type 2:	
Type 3:	
NON-ASBESTOS FIBERS:	19
Concentration:	0.19 Million Fibers/Liter
Types Identified:	Iron
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)

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client. 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.

Analysis Performed By: J. Silcox

Date: 11/14/2010

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

Transmission Electron Microscopy - Sample Data

Client: Ambler Borough
122 E Butler Ave
Ambler PA 19002

Report Date: 11/14/2010
Project: D.E.P.
Project No.: Asb.Samp.Dis.System

IATL No.: 4138505
Client Sample No.: AC-3

Description/ Location: Sampled-11-8-10 1:30AM
Analyzed-11-14-10
Toland&MilitaHillRd;Potable

Volume Filtered:	200.0 Milliliters
Filter Type:	MCE
Filter Size:	962 mm²
Pore Size:	0.10 µm
ANALYSIS RESULTS:	
Grid Openings:	4
Opening Area:	0.013 mm²
Area Analyzed:	0.052 mm²
Detection Limit:	0.090 Million Fibers/Liter
Sensitivity:	19.2 Fibers/mm²
ASBESTOS FIBERS:	
> 0.5 Microns:	1
Concentration:	0.09 Million Fibers/Liter
> 10 Microns:	None Detected
Concentration:	<0.09 Million Fibers/Liter
Types Identified:	Chrysotile
Type 2:	
Type 3:	
NON-ASBESTOS FIBERS:	1
Concentration:	0.09 Million Fibers/Liter
Types Identified:	Iron
Type 2:	
Type 3:	
Type 4:	
Micrograph Number:	
X-Ray Spectrum Number:	2:00:26

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. 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.

Analysis Performed By: J. Silcox

Date: 11/14/2010

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 0805
Telephone: 856-231-9449 Fax: 856-231-9811

Transmission Electron Microscopy - Sample Data

Client: Ambler Borough
122 E Butler Ave
Ambler PA 19002

Report Date: 11/14/2010
Project: D.E.P.
Project No.: Asb.Samp.Dis.System

IATL No.: 4138506
Client Sample No.: AC-4

Description/ Location: Sampled-11-8-10 9:30AM
Analyzed-11-14-10
Batleson&AldrinDr;Potable

Volume Filtered:	200.0 Milliliters
Filter Type:	MCE
Filter Size:	962 mm²
Pore Size:	0.10 µm
ANALYSIS RESULTS:	
Grid Openings:	4
Opening Area:	0.013 mm²
Area Analyzed:	0.052 mm²
Detection Limit:	0.090 Million Fibers/Liter
Sensitivity:	19.2 Fibers/mm²
ASBESTOS FIBERS:	
> 0.5 Microns:	None Detected
Concentration:	<0.09 Million Fibers/Liter
> 10 Microns:	None Detected
Concentration:	<0.09 Million Fibers/Liter
Types Identified:	None Detected
Type 2:	
Type 3:	
NON-ASBESTOS FIBERS:	None Detected
Concentration:	<0.09 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)

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.
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.

Analysis Performed By: J. Silcox

Date: 11/14/2010

iATL INTERNATIONAL
Asbestos Testing Laboratories

3000 Commerce Parkway
Suite B
Mt. Laurel, NJ 08054
Toll Free: 877 428-4285
info@iatl.com
www.iatl.com

Chain of Custody

Client: AMBLER BOROUGH
122 E BUTLER AVE
AMBLER PA 19002

Project Name: D. E. P
Project No.: ASBESTOS SAMPLING DISTRIBUTION SYSTEM

Office Phone: 215-646-1000 EXT 124
Cell Phone:
FAX / Email 1: 215-641-1921

Contact 1: PHILIP BENIGNO
Contact 2:
FAX / Email 2

Special Instructions:

Matrix:

[ ] Air [ ] Soil [ ] Bulk [ ] Other
[✓] Water [ ] Paint [ ] Surface Dust / Wipe

Analysis Method:

[ ] PCM : NIOSH 7400
[ ] PCM : OSHA
[ ] PCM : TWA

[ ] AAS : Lead in Air
[ ] AAS : Lead in Water
[ ] AAS : Lead in Paint
[ ] AAS : Lead Dust/Wipe [1]
[ ] AAS : Lead in Soil
[ ] AAS : TCLP
[ ] AAS : Metals (Cd, Zn, Cr)

See Page 2 for Bulk Asbestos Specific Log
[ ] PLM : Bulk Asbestos EPA 600
[ ] PLM : Point Counting 198.1
[ ] PLM : NOB via 198.1 (PLM only)
[ ] If <1% by PLM, to TEM via 198.4 [2]
[ ] PLM : See page 2 for instructions

See Page 4 for Mold Specific Log
[ ] IAQ: I Bioaersol Fungal Spore Trap [3]
[ ] IAQ: II Bioaersol Fungal Spore Trap [4]
[ ] IAQ: Tape, Bulk, Misc. Qualitative [3]
[ ] IAQ: Tape, Bulk, Misc. Quantitative [3]
[ ] IAQ: Other Culturable ID [2]

[ ] TEM : AHERA
[ ] TEM : NIOSH 7402
[ ] TEM : Dust / Wipe
[ ] TEM : Dust / Microvac
[ ] TEM : NOB 198.4
[ ] TEM : Bulk Analysis
[X] TEM : Potable Water
[ ] TEM : Non-Potable Water
[ ] TEM : Other
[ ] Total Dust : NIOSH 0500
[ ] Total Dust : NIOSH 0600

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 [X] 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-1 (start) - AC-4 (end) IATL#(s): _____ (start) - _____ (end) Total: _____

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): Philip Benigno
Received (Name / IATL): _____
Sample Login (Name / IATL): Kn 11/10/10
Sample Prep (Name / IATL): _____
Analysis(Name(s) / IATL): _____ 11-14-10
QA/QC Review (Name / IATL): _____
Archived / Released: _____ QA/QC InterLAB Use: _____

RECEIVED
NOV 10 2010
IATL By

Date: 11-9-10 Time: 9:00 AM
Date: _____ Time: _____
Date: _____ Time: _____
Date: _____ Time: _____
Date: _____ Time: _____
Date: _____ Time: _____
Date: _____ Time: _____

iATL INTERNATIONAL
Asbestos Testing Laboratories

Suite B
Mt. Laurel, NJ 08054
Toll Free: 877 428-4285
info@iatl.com
www.iatl.com

Chain of Custody

- Bulk Asbestos Sample Log –

Client: AMBLER BOROUGH
122 E BUTLER AVE

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: 11-8-10

Client Sample ID:	IATL Sample ID:	Sample Description / Location	Notes
AC-1	4138503	11-8-10 - DAVIS RD & MARIE RD	8:55 AM
AC-2	4138504	11-8-10 - MADISON AVE & HARTANFT AVE	10:50 AM
AC-3	4138505	11-8-10 - TOLAND DR & MILITIA HILL RD	1:30 PM
AC-4	4138506	11-8-10 - BATLESON RD & ALDRIN DR	9:30 AM