PRE-RENOVATION ASBESTOS ASSESSMENT and BULK SAMPLE RESULTS REPORT

FOR THE

SENECA SERVICE AREA
NEW YORK STATE THRUWAY AUTHORITY
DESIGN OF RENOVATIONS D212762
ONTARIO COUNTY, NEW YORK

PREPARED FOR:

HUNT ENGINEERS
185 EAST CORNING ROAD
CORNING, NEW YORK

FOR SUBMISSION TO:

NEW YORK STATE THRUWAY AUTHORITY
ALBANY, NEW YORK

MAY 2000

PREPARED BY:

WATTS ENGINEERS

3826 MAIN STREET • BUFFALO, NEW YORK 14226
(716) 836-1540 FAX: (716) 836-2402
EMAIL: eowatts@eowatts.com

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MAY 2000

PREPARED BY:

EDWARD O. WATTS, P.E., P.C.
3826 MAIN STREET
BUFFALO, NEW YORK

Table of Contents

DISCLAIMER

This report has been prepared primarily on the basis of the results of visual site observations, laboratory analysis of suspect building materials, and a general survey of building conditions at the property known as the Seneca Service Area located on the New York State Thruway in the County of Ontario, New York.

The site survey work was performed on April 13, 2000 and May 5, 2000 by Watts Engineers. Watts Engineers performed all field work based on their understanding of the proposed renovations at the time of the survey. Access to the women's restroom was not possible during the site visits as they were in use. Based on conversations with the building maintenance personnel, Watts Engineers is assuming that the suspect materials in the women's restroom are the same as those identified in the men's restroom.

1.0 EXECUTIVE SUMMARY

Edward O. Watts, P.E., P.C. (Watts Engineers) was retained by Hunt Engineers to perform a pre-renovation building survey, of the areas proposed to be renovated, for asbestos-containing materials (ACM) at the Seneca Service Area, located on the New York State Thruway in the County of Ontario, New York. The purpose of the survey was to determine the presence, location and quantity of asbestos-containing materials that will be disturbed during the upcoming renovation.

The field survey of this structure was conducted on April 13 and May 5, 2000, and included the following:

- A visual site inspection to identify suspect ACM.
- Collection and laboratory analysis of samples from each suspect material for asbestos content.
- Documentation of sample locations on floor-plan drawings and chain-of-custody forms.
- Photographs of suspect materials.

The inspection included the collection and laboratory analysis of thirty (30) bulk samples. ACM is defined as any material containing more than one percent (1%) of asbestos. The following ACM were identified:

- Insulation on the metal duct work above the drop ceiling near the entrance to the mens restroom - approximately 24 square feet.
- Insulation between boiler sections, gasket material behind the boiler doors, and the rope-like gasket material within the boiler. The boiler is approximately 320 cubic feet.
- Debris on top of the chimney duct leading from the boiler to the chimney. The exposed surface area of the chimney duct with asbestos-containing debris is approximately 40 square feet.
- Perimeter and penetration roof flashing on the original portions of the building - approximately 425 square feet.
- Built-up roofing on the original portions of the building - approximately 4,735 square feet.

- The sealant around the nails on the rolled roofing around the perimeter of the original roof - approximately 295 square feet.

- The sealant on the slanted portions of the original roof - approximately 850 square feet.

Floor-plan drawings identifying bulk sample locations, chain-of-custody forms, laboratory results, laboratory accreditation, and consultant's certifications and license are included in the appendices.

2.0 SUMMARY OF FINDINGS

This section includes a Summary of Identified ACM and floor-plan drawings for the Seneca Service Area located on the New York State Thruway in the County of Ontario, New York. The Summary of Identified ACM indicates the type, amount, and description of ACM located in each area of the building surveyed.

Bulk sample locations are indicated on floor-plan drawings. A total of thirty (30) samples were collected and analyzed.

The twenty eight samples were initially analyzed by Polarized Light Microscopy (PLM). Any Non-Friable Organically Bound (NOB) materials not identified as an ACM under PLM were then analyzed by Transmission Electron Microscopy (TEM).

HOMOGENEOUS MATERIALS LIST

Seneca Service Area
Ontario County, New York

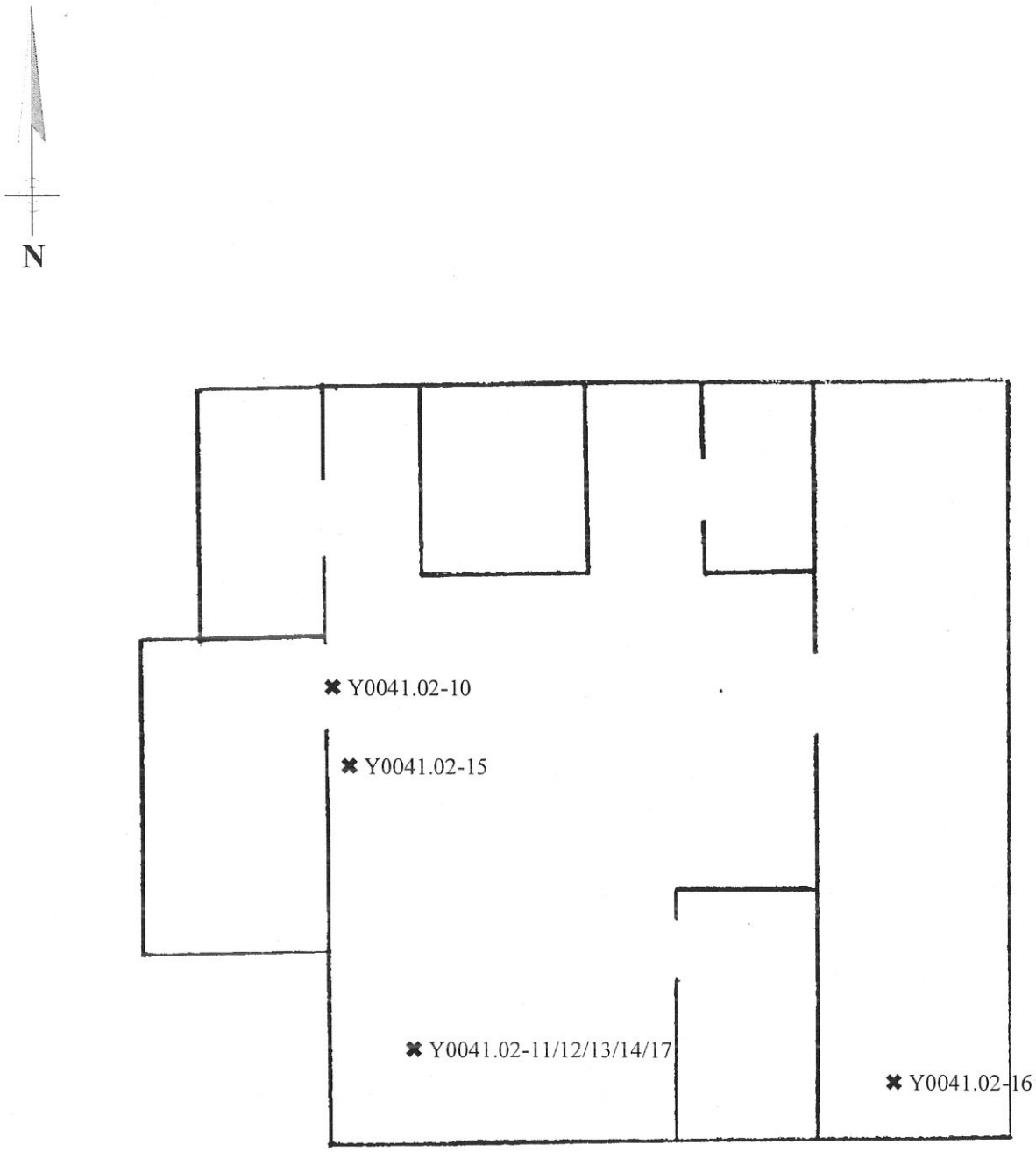
Material Description	Material Location	Type	Sample Number	Results (% Asbestos)		ACM
				PLM	TEM	Y/N
Drywall	Restrooms	M	Y0041.02-01	ND	NA	N
2' x 4" Ceiling Tile	Restrooms	M	Y0041.02-02	ND	NA	N
Window Caulk	Restroom Windows	M	Y0041.02-03	ND	NAD	N
Caulk Between Ceramic Tiles	Restrooms	M	Y0041.02-04	ND	NAD	N
Duct Insulation	Metal Duct Above Ceiling	T	Y0041.02-05 Y0041.02-06 Y0041.02-07	7.4% amosite NA NA	NA NA NA	Y
Caulk Around Garage Doors	Garage Doors	M	Y0041.02-08	ND	NAD	N
Window Caulk	Garage	M	Y0041.02-09	ND	NAD	N
Cementitious Material	Chimney	M	Y0041.02-10	ND	NA	N
Insulation Between Boiler Sections	Boiler in Basement	T	Y0041.02-11 Y0041.02-12 Y0041.02-13	15% chrysotile NA NA	NA NA NA	Y
Gasket Material Behind Doors	Boiler in Basement	M	Y0041.02-14	1.4% chrysotile 4.3% anthophylite	NA	Y
Debris On Top Of Chimney Duct	Basement	M	Y0041.02-15	5.9% chrysotile 18% amosite	NA	Y
Vibration Dampener Between Ducts	Crawlspace	M	Y0041.02-16	ND	NA	N
Rope-like Gasket	Boiler in Basement	M	Y0041.02-17	21% chrysotile	NA	Y

Material Description	Material Location	Type	Sample Number	Results (% Asbestos)		ACM
				PLM	TEM	Y/N
Roof Flashing	Perimeter Of Chimney On High Roof	M	Y0041.02-18	50% chrysotile	NA	Y
Roof Flashing	Perimeter Between Low And High Roofs	M	Y0041.02-19	30% chrysotile	NA	Y
Roof Flashing	Perimeter of High Roof	M	Y0041.02-20	50% chrysotile	NA	Y
Built-up Roofing	Original Roofs	M	Y0041.02-21 Y0041.02-22	<1% chrysotile <1% chrysotile	14% chrysotile NA	Y
Rolled Roofing	Parapet Walls of Original Roof	M	Y0041.02-23	ND	0.56% chrysotile	N
Sealant On Rolled Roofing	Parapet Walls of Original Roof	M	Y0041.02-24	10% chrysotile	NA	Y
Sealant on Slanted Portion of Roof	Parapet Walls of Original Roof	M	Y0041.02-25	<1% chrysotile	1.02% chrysotile	Y
Sealant on Ducts	Ducts on Low Roof	M	Y0041.02-26 Y0041.02-27	<1% chrysotile <1% chrysotile	0.54% chrysotile <1% chrysotile	N
Window Caulk	Restroom Window	M	Y0041.02-28	<1% chrysotile	NAD	N
Ceramic Tile Mastic - Bottom Layer of Tile	Restrooms	M	Y0041.02-29	NA	NAD	N
Ceramic Tile Mastic - Top Layer of Tile	Restrooms	M	Y0041.02-30	NA	NAD	N

NA - Not analyzed.
ND - None detected.
NAD - No asbestos detected.

Type
T = Thermal
S = Surfacing
M = Miscellaneous

ACM
Y=yes
N=no



KEY:

✖ **Indicates Approximate Bulk Sample Location**

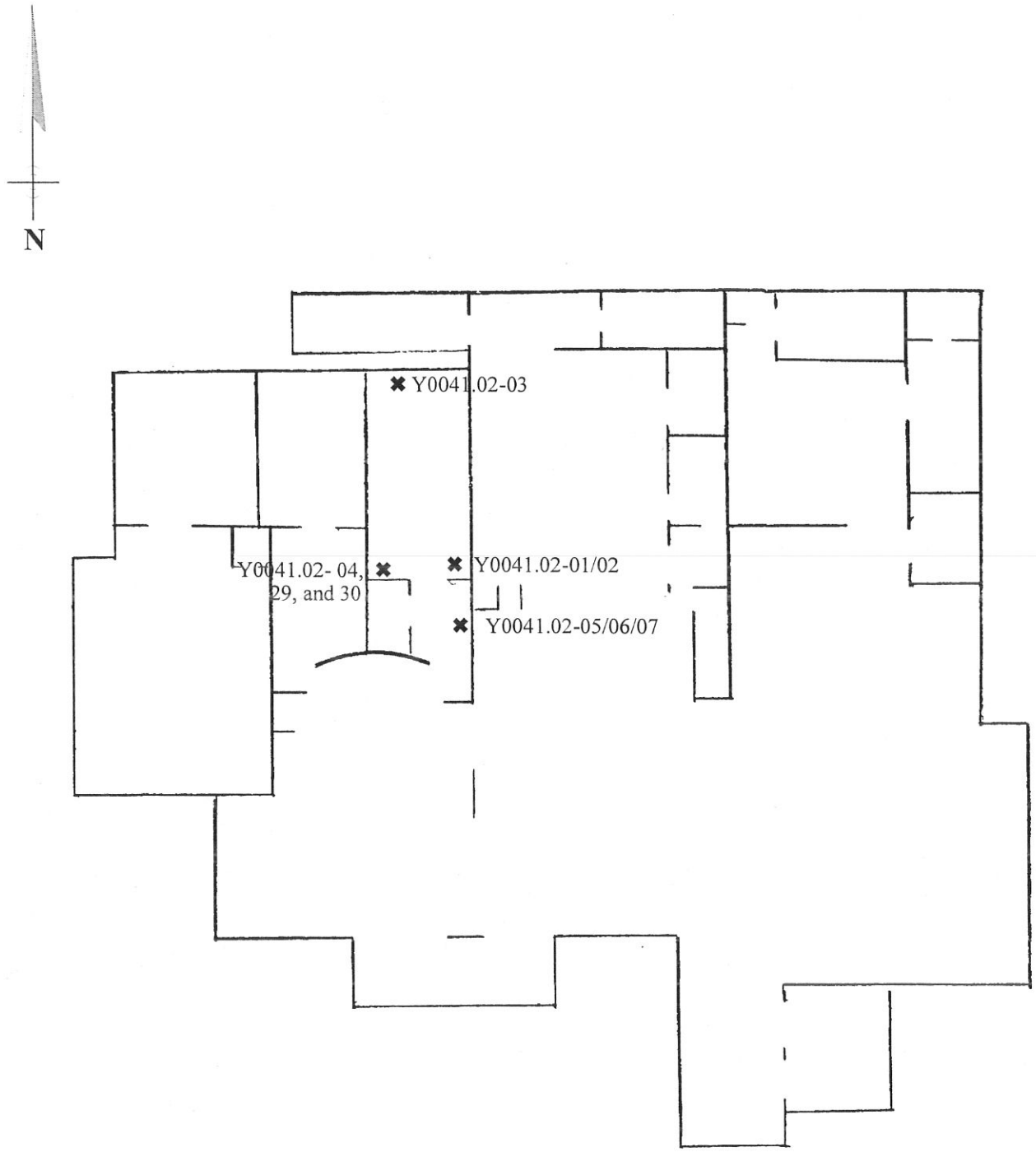
Bulk samples collected on April 13, 2000.

WATTS ENGINEERS
3826 MAIN STREET
BUFFALO, NEW YORK 14226

Bulk Sampling Location Drawing
Basement

Seneca Service Area
New York State Thruway
Ontario County, New York

Not to Scale | **May 2000**



KEY:

✖ **Indicates Approximate Bulk Sample Location**

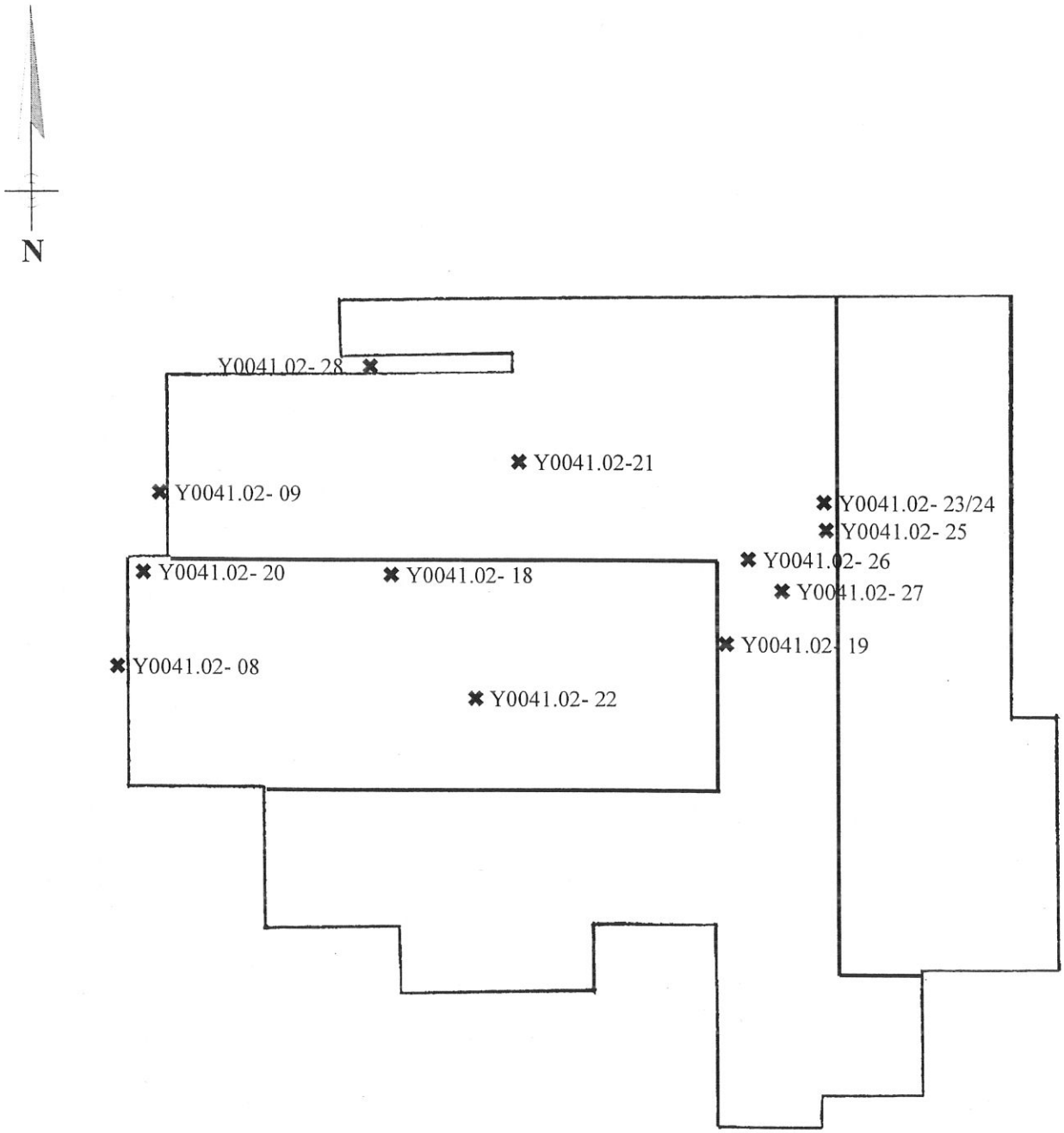
Bulk samples collected on April 13 and May 5, 2000.

WATTS ENGINEERS
3826 MAIN STREET
BUFFALO, NEW YORK 14226

Bulk Sampling Location Drawing
First Floor

Seneca Service Area
New York State Thruway
Ontario County, New York

Not to Scale | **May 2000**



KEY:

✖ **Indicates Approximate Bulk Sample Location**

Bulk samples collected on April 13, 2000.

WATTS ENGINEERS
3826 MAIN STREET
BUFFALO, NEW YORK 14226

Bulk Sampling Location Drawing
Roof and Exterior

Seneca Service Area
New York State Thruway
Ontario County, New York

Not to Scale | **April 2000**

APPENDIX A

Laboratory Reports

POLARIZED LIGHT MICROSCOPY (PLM)

EMSL Analytical, Inc.

440 Lawrence Bell Dr.
Buffalo, NY 14221
Phone: (716) 631-5887 Fax: (716) 631-7693

Attn.: Greg Andrews
Edward O. Watts P.E., P.C.
3826 Main St
Buffalo, NY 14226

Monday, April 17, 2000

Ref Number: BU001229

POLARIZED LIGHT MICROSCOPY (PLM) - POINT COUNT

Performed by EPA 600/R-93/116 Method*

Project: Y0041.02 / Seneca Service Area

Sample	Location	Appearance	Sample Treatment	ASBESTOS % Type	NON-ASBESTOS % Fibrous	% Non-Fibrous
Y0041.02-01	men's restroom	White Fibrous Homogeneous	Crushed	None Detected	< 1% Cellulose < 1% Glass	100.% Matrix
Y0041.02-02	men's restroom	White Fibrous Layers # 1	Crushed	None Detected	< 1% Cellulose	100.% Matrix
Y0041.02-02	paper	Brown Fibrous Layers # 2	Teased	None Detected	70.% Cellulose	30.% Matrix
Y0041.02-03	men's restroom	Tan Non-Fibrous Homogeneous	Teased	None Detected		100.% Matrix
Y0041.02-04	men's restroom	Tan Fibrous Homogeneous	Teased	None Detected		100.% Matrix
Y0041.02-05	men's restroom above drop ceiling	White Fibrous Homogeneous	Teased	7.4% Amosite < 1% Chrysotile		92.6% Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

Note: Non-Friable (NOB) samples were analyzed as "Friable" at the Client's Request

Eric Fischer
Analyst

Approved
Signatory

EMSL Analytical, Inc.

440 Lawrence Bell Dr.
Buffalo, NY 14221
Phone: (716) 631-5887 Fax: (716) 631-7693

Attn.: Greg Andrews
Edward O. Watts P.E., P.C.
3826 Main St
Buffalo, NY 14226

Monday, April 17, 2000

Ref Number: BU001229

POLARIZED LIGHT MICROSCOPY (PLM) - POINT COUNT

Performed by EPA 600/R-93/116 Method*

Project: Y0041.02 / Seneca Service Area

Sample	Location	Appearance	Sample Treatment	ASBESTOS % Type	NON-ASBESTOS % Fibrous	% Non-Fibrous
Y0041.02-06	men's restroom above drop ceiling			Not Analyzed		
Y0041.02-07	men's restroom above drop ceiling			Not Analyzed		
Y0041.02-08	garage doors in garage area	Grey Non-Fibrous Homogeneous	Teased	None Detected		100.% Matrix
Y0041.02-09	window in garage area	Grey Non-Fibrous Homogeneous	Teased	None Detected		100.% Matrix
Y0041.02-10	chimney cleanup area in basement	Grey Non-Fibrous Homogeneous	Crushed	None Detected		100.% Matrix
Y0041.02-11	boiler in basement	Grey Fibrous Homogeneous	Teased	15.% Chrysotile		85.% Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

Note: Non-Friable (NOB) samples were analyzed as "Friable" at the Client's Request

Eric Fischer
Analyst

Approved
Signatory

EMSL Analytical, Inc.

440 Lawrence Bell Dr.
Buffalo, NY 14221
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Monday, April 17, 2000

Ref Number: BU001229

POLARIZED LIGHT MICROSCOPY (PLM) - POINT COUNT

Performed by EPA 600/R-93/116 Method*

Project: Y0041.02 / Seneca Service Area

Sample	Location	Appearance	Sample Treatment	ASBESTOS % Type	NON-ASBESTOS % Fibrous	% Non-Fibrous
Y0041.02-12	boiler in basement			Not Analyzed		
Y0041.02-13	boiler in basement			Not Analyzed		
Y0041.02-14	boiler in basement	Black Fibrous Homogeneous	Teased	1.4% Chrysotile 4.3% Anthophylite		94.3% Matrix
Y0041.02-15	chinmey duct in basement	White Fibrous Homogeneous	Teased	5.9% Chrysotile 18.% Amosite		76.1% Matrix
Y0041.02-16	air handler unit in crawlspace	Brown Fibrous Homogeneous	Teased	None Detected	60.% Cellulose	40.% Matrix
Y0041.02-17	boiler in basement	White Fibrous Homogeneous	Teased	21.% Chrysotile	20.% Synthetic	59.% Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

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Monday, April 17, 2000

Ref Number: BU001229

POLARIZED LIGHT MICROSCOPY (PLM) - POINT COUNT

Performed by EPA 600/R-93/116 Method*

Project: Y0041.02 / Seneca Service Area

Sample	Location	Appearance	Sample Treatment	ASBESTOS %	ASBESTOS Type	NON-ASBESTOS %	NON-ASBESTOS Fibrous	NON-ASBESTOS %	NON-ASBESTOS Non-Fibrous
Y0041.02-18	perimeter of chimney on high roof	Black Fibrous Homogeneous	Teased	50.%	Chrysotile	5.%	Glass	45.%	Matrix
Y0041.02-19	E side of flashing from low roof to high roof	Black Fibrous Homogeneous	Teased	30.%	Chrysotile			70.%	Matrix
Y0041.02-20	perimeter of high roof	Black Fibrous Homogeneous	Teased	50.%	Chrysotile			50.%	Matrix
Y0041.02-21	center of low roof	Black Fibrous Homogeneous	Teased	< 1%	Chrysotile	5.%	Cellulose	95.%	Matrix
Y0041.02-22	center of high roof	Black Fibrous Homogeneous	Teased	< 1%	Chrysotile			100.%	Matrix
Y0041.02-23	E end of original roof	Black Fibrous Homogeneous	Teased		None Detected	< 1%	Cellulose	100.%	Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

Note: Non-Friable (NOB) samples were analyzed as "Friable" at the Client's Request

Eric Fischer
Analyst

Approved
Signatory

EMSL Analytical, Inc.

440 Lawrence Bell Dr.
Buffalo, NY 14221
Phone: (716) 631-5887 Fax: (716) 631-7693

Attn.: Greg Andrews
Edward O. Watts P.E., P.C.
3826 Main St
Buffalo, NY 14226

Monday, April 17, 2000

Ref Number: BU001229

POLARIZED LIGHT MICROSCOPY (PLM) - POINT COUNT

Performed by EPA 600/R-93/116 Method*

Project: Y0041.02 / Seneca Service Area

Sample	Location	Appearance	Sample Treatment	ASBESTOS % Type	NON-ASBESTOS % Fibrous	% Non-Fibrous
Y0041.02-24	E end of original roof	Black Fibrous Homogeneous	Teased	10.% Chrysotile		90.% Matrix
Y0041.02-25	E end of original roof	Black Fibrous Homogeneous	Teased	< 1% Chrysotile	2.% Cellulose	98.% Matrix
Y0041.02-26	big ducts on low roof	Black/Silver Fibrous Homogeneous	Teased	< 1% Chrysotile		100.% Matrix
Y0041.02-27	small ducts on low roof	Black/Silver Fibrous Homogeneous	Teased	< 1% Chrysotile		100.% Matrix
Y0041.02-28	restroom windows	Grey Fibrous Homogeneous	Teased	< 1% Chrysotile		100.% Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

Note: Non-Friable (NOB) samples were analyzed as "Friable" at the Client's Request

Eric Fischer
Analyst

Approved
Signatory

TRANSMISSION ELECTRON MICROSCOPY (TEM)

EMSL Analytical, Inc.

440 Lawrence Bell Drive, Suite #2
Williamsville, NY 14221
Phone (716) 631-5887
Fax (716) 631-7693

April 20, 2000

Edward O. Watts P.E., P.C.
3826 Main Street
Buffalo, NY 14226
Phone: (716) 836-1540
Fax: (716) 836-2402
Attention: **Greg Andrews**
Project: **Y0041.02 / Seneca Service Area**
Ref #: **BU001269**

Analysis of New York State NOBs Performed by Transmission Electron Microscopy (TEM) ELAP 198.4 Method*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	% NON FIBROUS MATERIAL	% NON-ASB FIBERS	TEM RESULTS % ASBESTOS
Y0041.02-03	caulk	tan	100		NAD
Y0041.02-04	caulk	tan	100		NAD
Y0041.02-09	caulk	black	100		NAD
Y0041.02-21	roofing	black	86		14 chrysotile
Y0041.02-22	roofing	black	Not Analyzed		
Y0041.02-25	sealant	black	99.00		1.0 chrysotile
Y0041.02-26	sealant	black/silver	99.46		0.54 chrysotile
Y0041.02-27	sealant	black/silver	100		<1 chrysotile
Y0041.02-28	caulk	gray	100		NAD

Analyst _____
Eric Fischer

Approved Signatory _____

NOTES: **NON-ACM** indicates a final residue weight <1% of subsample original weight
NAD - No Asbestos Detected

EMSL Analytical, Inc.

440 Lawrence Bell Drive, Suite #2
Williamsville, NY 14221
Phone (716) 631-5887
Fax (716) 631-7693

May 4, 2000

Edward O. Watts P.E., P.C.
3826 Main Street
Buffalo, NY 14226
Phone: (716) 836-1540
Fax: (716) 836-2402
Attention: **Greg Andrews**
Project: **Y0041.02 / NYS Thruway Authority**
Seneca Service Area
Ref #: **BU001545**

Analysis of New York State NOBs Performed by Transmission Electron Microscopy (TEM)
ELAP 198.4 Method*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	% NON FIBROUS MATERIAL	% NON-ASB FIBERS	TEM RESULTS % ASBESTOS
Y0041.02-08	caulk	gray	100		NAD
Y0041.02-23	roofing	black	99.44		0.56 chrysotile

Analyst _____
Rhonda Scherer

Approved Signatory _____

NOTES: **NON-ACM** indicates a final residue weight <1% of subsample original weight
NAD - No Asbestos Detected

EMSL Analytical, Inc.

440 Lawrence Bell Drive, Suite #2
Williamsville, NY 14221
Phone (716) 631-5887
Fax (716) 631-7693

May 8, 2000

Edward O. Watts P.E., P.C.
3826 Main Street
Buffalo, NY 14226
Phone: (716) 836-1540
Fax: (716) 836-2402
Attention: **Greg Andrews**
Project: **Y0041.02 / NYS Thruway Authority**
Seneca Service Area
Ref #: **BU001610**

Analysis of New York State NOBs Performed by Transmission Electron Microscopy (TEM)
ELAP 198.4 Method*

SAMPLE ID	SAMPLE DESCRIPTION	COLOR	% NON FIBROUS MATERIAL	% NON-ASB FIBERS	TEM RESULTS % ASBESTOS
Y0041.02-29	mass	gray	100		NAD
Y0041.02-30	mastic	tan	100		NAD

Analyst _____ Kenneth Najuch

Approved Signatory _____

NOTES: **NON-ACM** indicates a final residue weight <1% of subsample original weight
NAD - No Asbestos Detected

CHAIN-OF-CUSTODY FORMS

EDWARD O. WATTS, P.E., P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

B0001229

Client: Hunt Engineers
Project: New York State Thruway Authority Service Areas
Building / Location: Seneca Service Area
Contact: Greg Andrews at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Edward O. Watts, P.E., P.C.
3826 Main Street, Buffalo, NY 14226

Date: 4 / 13 / 00
Watts Project No.: Y0041.02

Turnaround Requested: ___ 3 Hr X 48 Hr
Analysis Requested: ___ 6 Hr ___ 72 Hr
PLM X TEM ___ ___ 12 Hr ___ 5 Day
___ 24 Hr ___ 6-10 Day

Sample Number	Material Description	Sample Location	Laboratory Results	
			PLM	TEM
Y0041.02-01	Drywall	Men's Restroom		
Y0041.02-02	3'x4' Ceiling Tile	Men's Restroom		
Y0041.02-03	Caulk between Ceramic Tile and Window	Men's Restroom		
Y0041.02-04	Caulk between Ceramic Tiles	Men's Restroom		
Y0041.02-05	Insulation on Metal Duct	Men's Restroom above drop ceiling		
Y0041.02-06	Insulation on Metal Duct	Men's Restroom above drop ceiling		
Y0041.02-07	Insulation on Metal Duct	Men's Restroom above drop ceiling		
Y0041.02-08	Caulk around Garage Doors	Garage Doors in Garage Area		
Y0041.02-09	Window Caulk	Window in Garage Area		
Y0041.02-10	Cementitious Material	Chimney Cleanup Area in Basement		

Sampled By: Greg Andrews Date: 4/13/00 Time: : Received By: Date: 4/13/00 Time: 1:50 pm
Relinquished By: Greg Andrews Date: 4/13/00 Time: : Received By: Date: / / Time: :

Comments: Stop at first positive for samples 05-07.

EDWARD O. WATTS, P.E., P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

D000129

Client: Hunt Engineers
Project: New York State Thruway Authority Service Areas
Building / Location: Seneca Service Area
Contact: Greg Andrews at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Edward O. Watts, P.E., P.C.
3826 Main Street, Buffalo, NY 14226

Date: 4 / 13 / 00
Watts Project No.: Y0041.02

Turnaround Requested: ___ 3 Hr X 48 Hr
Analysis Requested: ___ 6 Hr ___ 72 Hr
PLM X TEM ___ ___ 12 Hr ___ 5 Day
___ 24 Hr ___ 6-10 Day

Sample Number	Material Description	Sample Location	Laboratory Results	
			PLM	TEM
Y0041.02-11	Insulation between Boiler Sections	Boiler in Basement		
Y0041.02-12	Insulation between Boiler Sections	Boiler in Basement		
Y0041.02-13	Insulation between Boiler Sections	Boiler in Basement		
Y0041.02-14	Gasket Material behind doors	Boiler in Basement		
Y0041.02-15	Debris on Top of Chimney Duct	Chimney Duct in Basement		
Y0041.02-16	Canvas between ducts	Air Handler Unit in Crawlspace		
Y0041.02-17	Rope like Gasket on Boiler	Boiler in Basement		
Y0041.02-18	Roof Flashing	Perimeter of Chimney on High Roof		
Y0041.02-19	Roof Flashing	East Side of Flashing from Low Roof to High Roof		
Y0041.02-20	Roof Flashing	Perimeter of High Roof		

Sampled By: Greg Andrews Date: 4 / 13 / 00 Time: : Received By: Date: 4/13/00 Time: 1:50p

Relinquished By: Greg Andrews Date: 4 / 13 / 00 Time: : Received By: Date: / / Time: :

Comments: Stop at first positive for samples 11-13.

EDWARD O. WATTS, P.E., P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

B0001229

Client: Hunt Engineers
Project: New York State Thruway Authority Service Areas
Building / Location: Seneca Service Area
Contact: Greg Andrews at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Edward O. Watts, P.E., P.C.
3826 Main Street, Buffalo, NY 14226

Date: 4 / 13 / 00
Watts Project No.: Y0041.02

Turnaround Requested: ___ 3 Hr X 48 Hr
Analysis Requested: ___ 6 Hr ___ 72 Hr
PLM X TEM ___ ___ 12 Hr ___ 5 Day
___ 24 Hr ___ 6-10 Day

Sample Number	Material Description	Sample Location	Laboratory Results	
			PLM	TEM
Y0041.02-21	Built-up Roofing	Center of Low Roof		
Y0041.02-22	Built-up Roofing	Center of High Roof		
Y0041.02-23	Rolled Roofing	East End of Original Roof		
Y0041.02-24	Sealant on Rolled Roofing	East End of Original Roof		
Y0041.02-25	Sealant on Slanted Portion of Roof	East End of Original Roof		
Y0041.02-26	Sealant on Ducts	Big Ducts on Low Roof		
Y0041.02-27	Sealant on Ducts	Small Ducts on Low Roof		
Y0041.02-28	Window Caulk	Restroom Windows		
Y0041.02-				
Y0041.02-				

Sampled By: Greg Andrews Date: 4/13/00
Relinquished By: Greg Andrews Date: 4/13/00 Time: :
Received By: Date: 4/13/00 Time: 1:50p
Received By: Date: / / Time: :

Comments:

EDWARD O. WATTS, P.E., P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

Client: Hunt Engineers
Project: ~~Seneca~~ New York State Thruway Authority Service Areas
Building / Location: Seneca Service Area
Contact: Greg Andrews at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Edward O. Watts, P.E., P.C.
3826 Main Street, Buffalo, NY 14226

Date: 5 / 5 / 00
Watts Project No.: Y0041.02

Turnaround Requested: ___ 3 Hr ___ 48 Hr
Analysis Requested: ___ 6 Hr ___ 72 Hr
PLM ___ TEM X ___ 12 Hr ___ 5 Day
X 24 Hr ___ 6-10 Day

Sample Number	Material Description	Sample Location	Laboratory Results	
			PLM	TEM
Y0041.02-29	Ceramic Tile Mastic	Entrance to Men's Restroom – Bottom Layer of Tile		
Y0041.02-30	Ceramic Tile Mastic	Entrance to Men's Restroom – Outer Layer of Tile		

Sampled By: Greg Andrews Date: 5 / 5 / 00 Time: : Received By: Date: 5 / 5 / 00 Time: 6 PM
Relinquished By: Greg Andrews Date: 5 / 5 / 00 Time: : Received By: Date: / / Time: :

Comments:

B0001367

EDWARD O. WATTS, P.E., P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

~~B0001229~~

Client: Hunt Engineers
Project: New York State Thruway Authority Service Areas
Building / Location: Seneca Service Area
Contact: Greg Andrews at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Edward O. Watts, P.E., P.C.
3826 Main Street, Buffalo, NY 14226

Date: 4 / 13 / 00
Watts Project No.: Y0041.02

Turnaround Requested: ___ 3 Hr X 48 Hr
Analysis Requested: ___ 6 Hr ___ 72 Hr
PLM X TEM ___ ___ 12 Hr ___ 5 Day
___ 24 Hr ___ 6-10 Day

	Sample Number	Material Description	Sample Location	Laboratory Results	
				PLM	TEM
	Y0041.02-01	Drywall	Men's Restroom		
	Y0041.02-02	2'x4' Ceiling Tile	Men's Restroom		
X	Y0041.02-03	Caulk between Ceramic Tile and Window	Men's Restroom		
X	Y0041.02-04	Caulk between Ceramic Tiles	Men's Restroom		
	Y0041.02-05	Insulation on Metal Duct	Men's Restroom above drop ceiling		
	Y0041.02-06	Insulation on Metal Duct	Men's Restroom above drop ceiling		
	Y0041.02-07	Insulation on Metal Duct	Men's Restroom above drop ceiling		
	Y0041.02-08	[redacted] Caulk around Garage Doors	Garage Doors in Garage Area		
X	Y0041.02-09	Window Caulk	Window in Garage Area		
	Y0041.02-10	Cementitious Material	Chimney Cleanup Area in Basement		

Sampled By: Greg Andrews Date: 4/13/00 Received By: Date: 4/13/00
Time: : Time: 1:50 pm
Relinquished By: Greg Andrews Date: 4/13/00 Received By: Date: / /
Time: : Time: :

Comments: Stop at first positive for samples 05-07.

B0001269
~~B0001229~~ (a)

Page 2 of 3

EDWARD O. WATTS, P.E., P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

Client: Hunt Engineers
Project: New York State Thruway Authority Service Areas
Building / Location: Seneca Service Area
Contact: Greg Andrews at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Edward O. Watts, P.E., P.C.
3826 Main Street, Buffalo, NY 14226

Date: 4 / 13 / 00
Watts Project No.: Y0041.02

Turnaround Requested: ___ 3 Hr X 48 Hr
Analysis Requested: ___ 6 Hr ___ 72 Hr
PLM X TEM ___ ___ 12 Hr ___ 5 Day
___ 24 Hr ___ 6-10 Day

Sample Number	Material Description	Sample Location	Laboratory Results	
			PLM	TEM
Y0041.02-11	Insulation between Boiler Sections	Boiler in Basement		
Y0041.02-12	Insulation between Boiler Sections	Boiler in Basement		
Y0041.02-13	Insulation between Boiler Sections	Boiler in Basement		
Y0041.02-14	Gasket Material behind Oasis	Boiler in Basement		
Y0041.02-15	Debris on Top of Chimney Duct	Chimney Duct in Basement		
Y0041.02-16	Canvas between ducts	Air Handler Unit in Crawlspace		
Y0041.02-17	Rope like Gasket on Boiler	Boiler in Basement		
Y0041.02-18	Roof Flashing	Perimeter of Chimney on High Roof		
Y0041.02-19	Roof Flashing	East Side of Flashing from Low Roof to High Roof		
Y0041.02-20	Roof Flashing	Perimeter of High Roof		

Sampled By: Greg Andrews Date: 4 / 13 / 00 Time: : Received By: Date: 4/13/00 Time: 1:50p

Relinquished By: Greg Andrews Date: 4 / 13 / 00 Time: : Received By: Date: / / Time: :

Comments: Stop at first positive for samples 11-13.

B0001261
B0001229 E

EDWARD O. WATTS, P.E., P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

Client: Hunt Engineers
Project: New York State Thruway Authority Service Areas
Building / Location: Seneca Service Area
Contact: Greg Andrews at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Edward O. Watts, P.E., P.C.
3826 Main Street, Buffalo, NY 14226

Date: 4 / 13 / 00
Watts Project No.: Y0041.02

Turnaround Requested: ___ 3 Hr X 48 Hr
Analysis Requested: ___ 6 Hr ___ 72 Hr
PLM X TEM ___ ___ 12 Hr ___ 5 Day
___ 24 Hr ___ 6-10 Day

	Sample Number	Material Description	Sample Location	Laboratory Results	
				PLM	TEM
X	Y0041.02-21	Built-up Roofing	Center of Low Roof		
X	Y0041.02-22	Built-up Roofing	Center of High Roof		
	Y0041.02-23	Rolled Roofing	East End of Original Roof		
	Y0041.02-24	Sealant on Rolled Roofing	East End of Original Roof		
X	Y0041.02-25	Sealant on Slanted Portion of Roof	East End of Original Roof		
X	Y0041.02-26	Sealant on Ducts	Big Ducts on Low Roof		
X	Y0041.02-27	Sealant on Ducts	Small Ducts on Low Roof		
X	Y0041.02-28	Window Caulk	Restroom Windows		
	Y0041.02-				
	Y0041.02-				

Sampled By: Greg Andrews Date: 4 / 13 / 00
Time: :
Relinquished By: Greg Andrews Date: 4 / 13 / 00
Time: :
Received By: Date: 4/13/00
Time: 1:50p
Received By: Date: / /
Time: :

Comments:

APPENDIX B

Laboratory Accreditation

NEW YORK STATE DEPARTMENT OF HEALTH

ANTONIA C. NOVELLO, M.D., M.P.H. Commissioner

Expires 12:01 AM April 1, 2000
ISSUED April 1, 1999
REVISED August 19, 1999

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

Lab ID No.: 11606

Director: MR. KENNETH NAJUCH
Lab Name: EMSL ANALYTICAL INC - WILLIAMSVILLE
Address : 440 LAWRENCE BELL DR - STE #2
WILLIAMSVILLE NY 14221

is hereby APPROVED as an Environmental Laboratory for the category

ENVIRONMENTAL ANALYSES/SOLID AND HAZARDOUS WASTE

All approved subcategories and/or analytes are listed below:

Miscellaneous :
Asbestos in Friable Material
Asbestos in Non-Friable Materia

Serial No.: 105451

Wadsworth Center

Property of the New York State Department of Health. Valid only at the address shown.
Must be conspicuously posted. Valid certificate has a red serial number.

DOH-3317 (3/97)

STATE OF NEW YORK
DEPARTMENT OF HEALTH

Wadsworth Center The Governor Nelson A. Rockefeller Empire State Plaza P.O. Box 509 Albany, New York 12201-0509

Antonia C. Novello, M.D., M.P.H.
Commissioner

Dennis P. Whalen
Executive Deputy Commissioner

MARCH 10, 2000

Dear Laboratory Director:

Please note that although your ELAP Certificate of Approval expires on 12:01 AM April 1, 2000, it is still valid until June 30, 2000, as per ELAP Certification Manual, No. 140, Page 13 of 42, dated 12/6/95, Part 55-2.4e NYCRR. "...during any extension or grace period permitted by this Subpart, a laboratory approval shall remain in force beyond the expiration date of the certificate of approval, unless such approval is specifically terminated or suspended in writing."

Further verification of your laboratory's approved ELAP status is available by calling the Program Office at (518) 485-5570.

Sincerely,

Linda L. Madlin
Administrative Assistant
Environmental Laboratory
Approval Program

LLM:da

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

ISO/IEC GUIDE 25:1990
ISO 9002:1987

Certificate of Accreditation

EMSL ANALYTICAL, INC.
WILLIAMSVILLE, NY

is recognized under the National Voluntary Laboratory Accreditation Program for satisfactory compliance with criteria established in Title 15, Part 285 Code of Federal Regulations. These criteria encompass the requirements of ISO/IEC Guide 25 and the relevant requirements of ISO 9002 (ANSI/ASQC Q92-1987) as suppliers of calibration or test results. Accreditation is awarded for specific services, listed on the Scope of Accreditation for:

BULK ASBESTOS FIBER ANALYSIS

June 30, 2000
Effective through

For the National Institute of Standards and Technology

NVLAP Lab Code: 200056-0

NVLAP-01C (11-95)

National Institute of Standards and Technology

NVLAP®

National Voluntary Laboratory Accreditation Program

ISO/IEC GUIDE 25:1990
ISO 9002:1987

Scope of Accreditation

BULK ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 200056-0

EMSL ANALYTICAL, INC.
440 Lawrence Bell Drive, Suite #2
Williamsville, NY 14221
Mr. Kenneth J. Najuch
Phone: 716-631-5887 Fax: 716-631-7693
E-Mail: knajuch@emsl.com
URL: http://www.emsl.com/

NVLAP Code	*Designation*
18/A01	U.S. EPA's "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" as found in 40 CFR, Part 763, Subpart F, App. A, or the current U.S. EPA method for the analysis of asbestos in building material.

June 30, 2000

Effective through

For the National Institute of Standards and Technology

APPENDIX C

Consultant Certification

STATE OF NEW YORK - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
License and Certificate Unit
BUILDING 12, STATE CAMPUS
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

RESTRICTED LICENSE - NO ASBESTOS REMOVAL PERMITTED

LICENSE NUMBER: 99-0394
DATE OF ISSUE: 3/23/00
EXPIRATION DATE: 4/30/01

Contractor: EDWARD O. WATTS, PE., PC., (DBA WATTS ENGINEERS)

Address: 3826 MAIN STREET
AMHERST, NY 14226

Duly Authorized Representative: EDWARD O. WATTS, P.E.

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. The licensee verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Richard Cucolo, Director
FOR THE COMMISSIONER OF LABOR

DOSH 432 (1-98)

WATTS ENGINEERS
3826 MAIN STREET
BUFFALO, NEW YORK 14226

MUST BE CARRIED ON ASBESTOS PROJECTS

CERTIFICATE NUMBER	
AH 94-10797	
EXPIRES	
SOCIAL SECURITY NUMBER	
113-66-8583	
EYES	HAIR
BLU	BRO
WEIGHT	HEIGHT
185 lbs.	5 ft. 11 in.

ADDRESS CORRESPONDENCE TO:
(include certificate number)
NYS Department of Labor
DOSH - License and Certificate Unit
PO Box 687, New York, NY 10014-0687

112977C

STATE OF NEW YORK
DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH

ASBESTOS HANDLING CERTIFICATE
AUTHORIZED CLASSES
C (02/01), D (02/01), E (02/01)
H (02/01), I (02/01)

GREGORY A ANDREWS
50 BIRCHWOOD AVE APT4
WEST SENECA, NY 14224

RICHARD CUCOLO, Director - For the Commissioner of Labor
DOSH-442 (01/91)

C - AIR SAMPLING TECHNICIAN
D - INSPECTOR
E - MANAGEMENT PLANNER
H - PROJECT MONITOR
I - PROJECT DESIGNER

Photo 1: (Seneca Service Area (NYSTA) - Ontario County, New York) View of the asbestos-containing insulation on sections of the metal ducts above the drop ceiling near the restroom entrances.

Photo 2: (Seneca Service Area (NYSTA) - Ontario County, New York) View of the asbestos debris on top of the chimney duct in the basement.

Photo 3: (Seneca Service Area (NYSTA) -Ontario County, New York) View of the side of the boiler in the basement. Notice the nine sections of the boiler. There is asbestos-containing material between the sections.

Photo 4: (Seneca Service Area (NYSTA) -Ontario County, New York) View of inside of the boiler in the basement. There is asbestos-containing material behind the black flanges of the doors. Additionally, the powdered material inside the boiler should be considered to be asbestos contaminated.

Photo 5: (Seneca Service Area (NYSTA) -Ontario County, New York) View of the asbestos-containing flashing around the chimney and the asbestos-containing built-up roof. This flashing is typical around the perimeter of the roofs and the roof top mounted units.

Photo 6: (Seneca Service Area (NYSTA) -Ontario County, New York) View of the asbestos-containing sealants over the nails in the rolled roofing (background along top of parapet wall) and the asbestos-containing built-up roof.