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

	Page No.
1.0 2.0	EXECUTIVE SUMMARY
APPE	NDIX A - LABORATORY REPORTS
APPE	NDIX B - LABORATORY ACCREDITATION
APPE	NDIX C - CONSULTANT CERTIFICATION
APPE	NDIX D - PHOTOGRAPHS

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 prerenovation 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-ofcustody 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	Type	Sample	Results (%	Asbestos)	ACM
	Location		Number	PLM	TEM	Y/N
Drywall	Restrooms	М	Y0041.02-01	ND	NA	N
2' x 4" Ceiling Tile	Restrooms	M	Y0041.02-02	ND	NA	N
Window Caulk	Restroom Windows	М	Y0041.02-03	ND	NAD	N
Caulk Between Ceramic Tiles	Restrooms	М	Y0041.02-04	ND	NAD	N
Duct Insulation	Metal Duct Above Ceiling	Т	Y0041.02-05 Y0041.02-06 Y0041.02-07	7.4% amosite NA NA	NA NA NA	Y
Caulk Around Garage Doors	Garage Doors	М	Y0041.02-08	ND	NAD	N
Window Caulk	Garage	М	Y0041.02-09	ND	NAD	N
Cementitious Material	Chimney	M	Y0041.02-10	ND	NA	N
Insulation Between Boiler Sections	Boiler in Basement	Т	Y0041.02-11 Y0041.02-12 Y0041.02-13	15% chrysotile NA NA	NA NA NA	Y
Gasket Material Behind Doors	Boiler in Basement	М	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	М	Y0041.02-16	ND	NA	N
Rope-like Gasket	Boiler in Basement	М	Y0041.02-17	21% chrysotile	NA	Y

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

NA - Not analyzed.

ND - None detected.

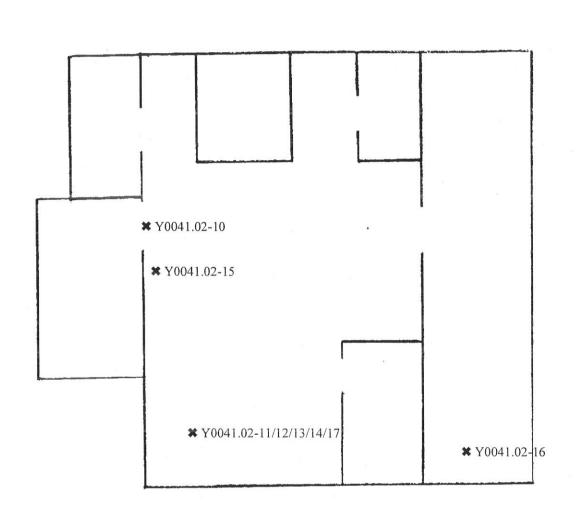
NAD - No asbestos detected.

 $\frac{Type}{T = Thermal}$

 $\frac{ACM}{Y = yes}$ N = no

S = Surfacing

M = Miscellaneous



KEY:

N

≭ Indicates Approximate Bulk Sample Location

Bulk samples collected on April 13, 2000.

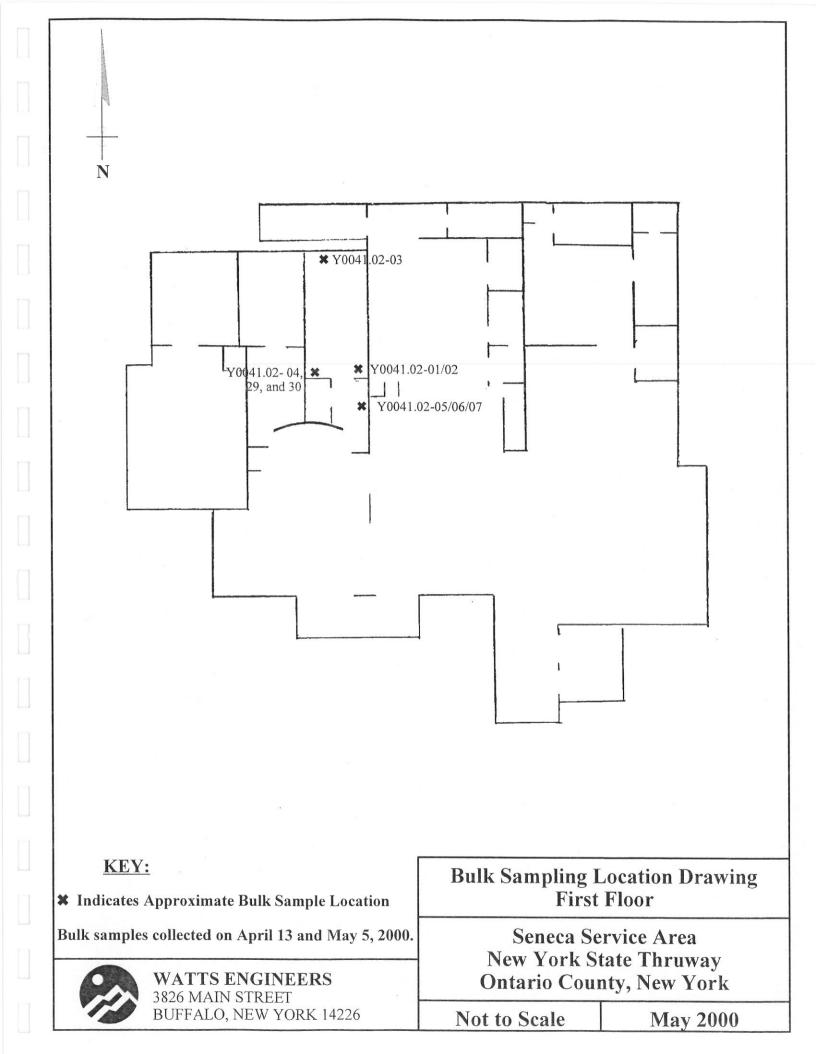


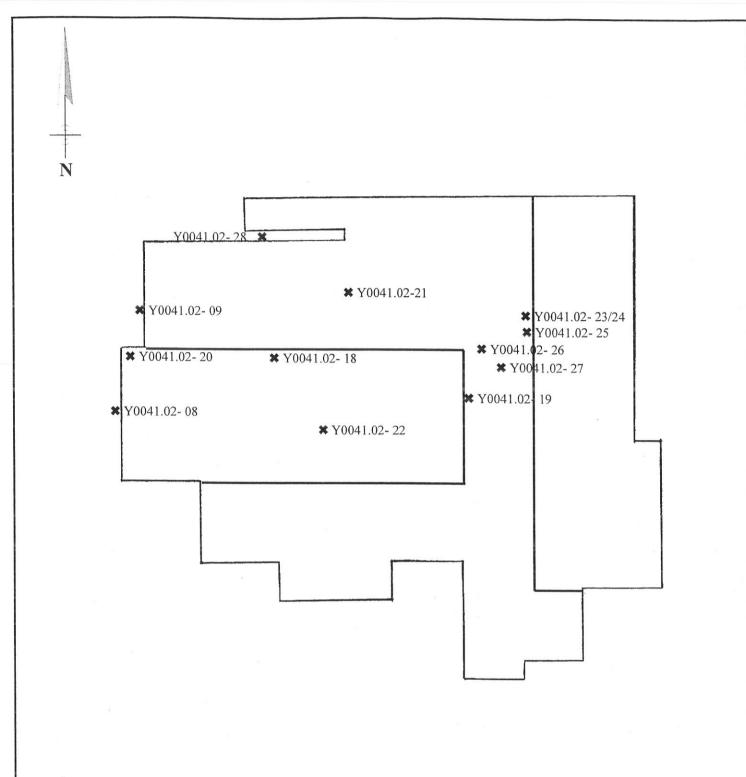
Bulk Sampling Location Drawing Basement

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, 2000.



Bulk Sampling Location Drawing Roof and Exterior

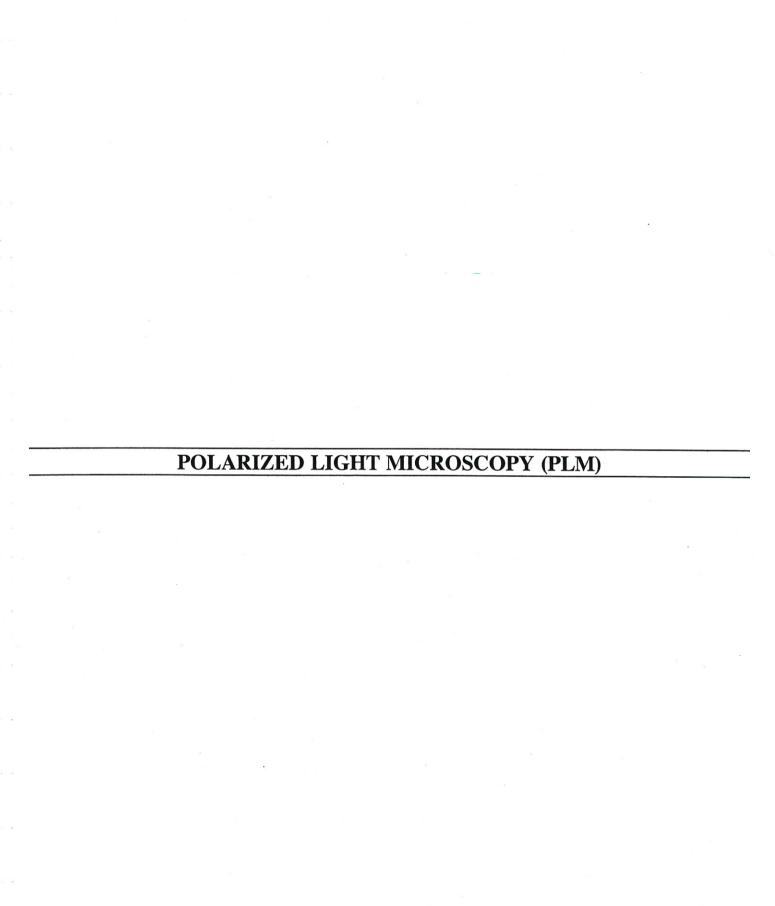
Seneca Service Area New York State Thruway Ontario County, New York

Not to Scale

April 2000

APPENDIX A

Laboratory Reports



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	ASBESTOS	NON-AS	BESTOS
Sample	Location	Appearance	Treatment	% Type	% 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 analyz¢d by ELAP 198.1 Method.

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

Eric Fischer Analyst Approved Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. EMSL suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

nalysis performed by EMSL Buffalo (NVLAP Air and Bulk #200056, NYSDOH ELAP# 11606)

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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	ASBESTOS		NON-AS	BESTOS	
Sample	Location	Appearance	Treatment	% Type	%	Fibrous	%	Non-Fibrous
Y0041.02-06	men's restroom above drop ceiling			Not Analyzed			8	
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

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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 [Y0041.02-12]	Location boiler in basement	Appearance	Sample Treatment	ASBESTOS % Type Not Analyzed	% Fibrous	SBESTOS % Non-Fibrous
				Not Allaryzed		
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.

* NY samples analyzed by ELAP 198.1 Method.

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

Eric Fischer Analyst

Approved Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. EMSL suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

performed by EMSL Buffolo (NVLAP Air and Bulk #200056, NVSDOH ELAD# 11606)

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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	ASBESTOS	NON-AS	SBESTOS
Sample	Location	Appearance	Treatment	% Type	% Fibrous	% 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

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. EMSL suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when prequested to physically separate and analyze layered samples.

Include performed by EMSL Buffele (AN/LAD Air and Bull, #2000EC ANVERGIL ELAD# 14000

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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	ASBES			NON-ASI	BESTOS	
١	Sample	Location	Appearance	Treatment	%	Туре	%	Fibrous	%	Non-Fibrous
	Y0041.02-24	E end of original roof	Black Fibrous Homogeneous	Teased	10.% Chr	ysotile			90.%	Matrix
	Y0041.02-25	E end of original roof	Black Fibrous Homogeneous	Teased	< 1% Chr	rysotile	2.%	Cellulose	98.%	Matrix
	Y0041.02-26	big ducts on low roof	Black/Silver Fibrous Homogeneous	Teased	< 1% Chr	rysotile			100.%	Matrix
	Y0041.02-27	small ducts on low roof	Black/Silver Fibrous Homogeneous	Teased	< 1% Ch	rysotile			100.%	Matrix
1	Y0041.02-28	restroom windows	Grey Fibrous Homogeneous	Teased	< 1% Ch	rysotile			100.%	Matrix

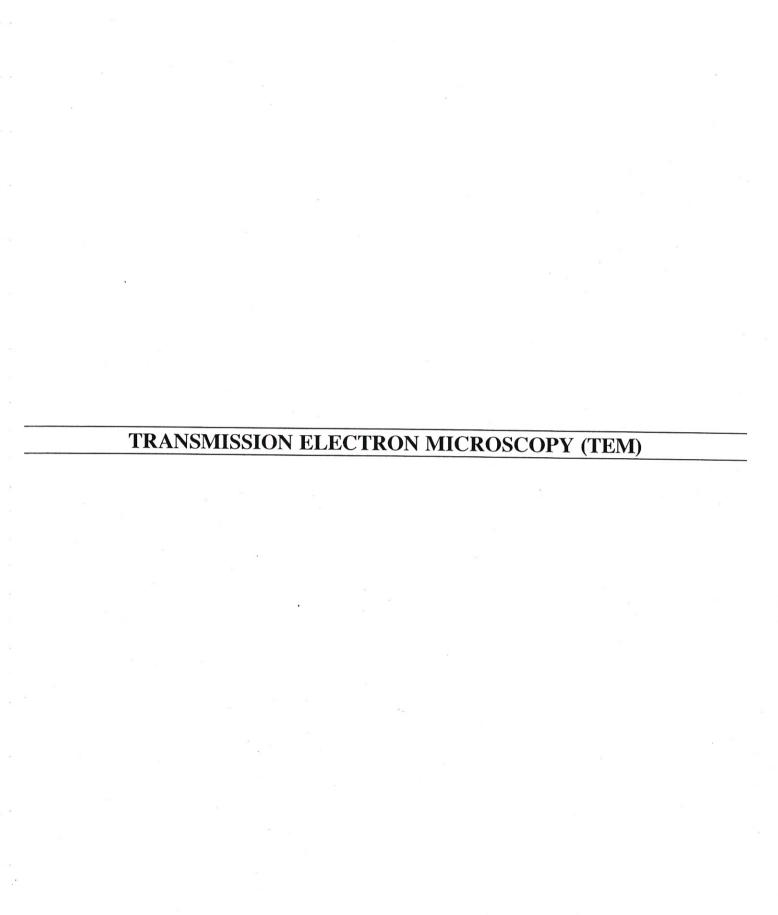
Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* 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

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. EMSL suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.



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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: Gr Project: Y0

Greg Andrews 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

NVI AP #200056-0

NY STATE FLAP #11606



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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

NVLAP #200056-0

NY STATE ELAP #11606

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: Y

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	1	NAD
Y0041.02-30	mastic	tan	100		NAD

Analyst

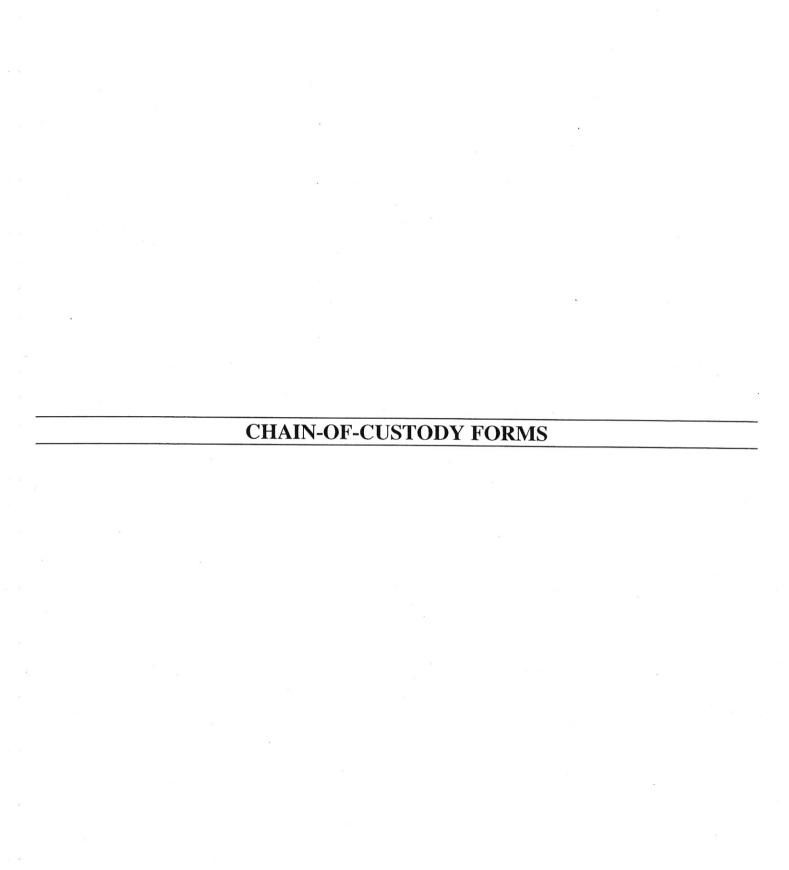
Kenneth Naju

Approved Signatory

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

NVLAP #200056-0

NY STATE ELAP #11606



ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY 50001229 EDWARD O. WATTS, P.E., P.C.

3

of

Page 1

3/8 6-10 Day Laboratory Results Date: 4 / 13 / 00 5 Day 72 Hr TEM 48 Hr Watts Project No.: Y0041.02 Date: PLM 3 Hr 6 Hr 12 Hr 24 Hr **Furnaround Requested:** C. E. J. (182) Men's Rosthdam about deep ceilling in Busement Analysis Requested: General Ares TEM Sample Location 7 PLM X Menis Gestleyms about Minney Cleanup Area Man's Restaum about Window in Prairie Britage Devis in Men's Restain Men's Restroom Man's Restraum Date: 4/13 / 60 Received By: Men's Asstocin 3826 Main Street, Buffalo, NY 14226 Edward O. Watts, P.E., P.C. Caulle between Ceremin Till and Window Project: New York State Thruway Authority Service Areas (716) 836-2402 at (716) 836-1540 111 1 Coulls around Beneze Dours Material Description Coulle between Ceromic Tiles Y0041.02-67 Insulation on Metal Duct Insulation an Inchal Duct YOO41.02-05 Trisuletien on Mickel Duit Building / Location: Seneca Service Area Centent, Have Montevial Klise Booksins Y0041.02-09 | Windows Carille Y0041.02-63 3x4 (eiling Fax Preliminary Results to: Mail Report & Invoice to: Contact: Greg Andrews Client: Hunt Engineers Dirum Y0041.02-0.3 Y0041.02-04 Y0041.02-08 Y0041.02-03 Y0041.02-10 Y0041.02-131 Number Sampled By: Sample

Time: Date:

Date: 나 / 13 / ひひ Received By:

Time:

Time:

Yrex Cimplians

Relinquished By:_

Stop of first positive for samples 05-07

Comments:

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

Page 2 of

10000a

5 Day 6-10 Day 00/ 48 Hr 72 Hr Date: 4 / 13 Watts Project No.: Y0041.02 3 Hr 6 Hr 12 Hr 24 Hr Turnaround Requested: Analysis Requested: TEM PLM X 3826 Main Street, Buffalo, NY 14226 Edward O. Watts, P.E., P.C. Project: New York State Thruway Authority Service Areas (716) 836-2402 at (716) 836-1540 Building / Location: Seneca Service Area Fax Preliminary Results to: Mail Report & Invoice to: Contact: Greg Andrews Client: Hunt Engineers

Sample	Material Description	Sample Location	Laborator	Laboratory Results
Number			PLM	TEM
Y0041.02- II	Y0041.02-11 Invitation between Built Stections	Puller in Basement		
Y0041.02-12	Y0041.02-12 Incolution bythere Ruite Sections	Builer in Basement		
Y0041.02-13	Y0041.02-13 Indian between Builton Sections	Builto in Busement		
Y0041.02-14	Y0041.02-14 (Gask of Mayerial Delning dasis	Boiler in Basement		
Y0041.02- 15	Y0041.02- 15 Debris en Ten of Chimney Duct	Chimney Det in Basement		
Y0041.02-1	Y0041.02-16 Conne between divise	the Handler Out in Eventlepores		
Y0041.02-17	Y0041.02-17 Rosellike Goskat on Balta	Psiler in Prosement		
Y0041.02-18	Y0041.02-18 Roct Floshing	Perimeter of Chimnes, on High Rout		
Y0041.02-19	Y0041.02-19 Roof Plushim	First Side of Plashing From Law Roaf to High Roaf		
Y0041.02-30	Y0041.02-20 Rost Flushing	Perinetal of High Roof		
Sampled By:	Y AU	Date: 4/13/00 Received By:	Date:	Date: 4/13/00
34:	Drug Brokens	Time: : : : : : : : : : : : : : : : : : :	Time:_ Date:	1:50p.
	: Ilme:		ב ב	

Comments:

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

130001229 Page 3 of 3

(3,00 6-10 Day Laboratory Results Date: 4 / 13 / 00 48 Hr 5 Day 72 Hr TEM Watts Project No.: Y0041.02 Date: Date: Time: PLM 3 Hr 6 Hr 12 Hr 24 Hr Turnaround Requested: Analysis Requested: TEM Sample Location East End of Original Runt East End of Original Rock East End of Original Roof Small Duck on Low Roof took no Center of High Rest Took of Restracen Windows Date: 4 / 13 / Och Received By: Date: 4/13 / 00 Received By: Ria Pouts on L Center of 3826 Main Street, Buffalo, NY 14226 Edward O. Watts, P.E., P.C. Project: New York State Thruway Authority Service Areas Time: Time: (716) 836-2402 at (716) 836-1540 Material Description YOO41.02-35 Stalant on Slantes Portion of Building / Location: Seneca Service Area Sections on Balled Reading Sealant on Duts Starlant on Duts Y0041.02-33 Built-up Ho. Sing Bull-up Ration Alcos Loson Rolled Rostin Fax Preliminary Results to: Mail Report & Invoice to: Contact: Greg Andrews Client: Hunt Engineers Y0041.02-24 Y0041.02-38 Y0041.02-37 Y0041.02-43 Y0041.02-38 Relinquished By: Y0041.02-31 Number Sample Sampled By: Y0041.02-Y0041.02-Comments:

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

Page of

6-10 Day 5 / 5 / 60 Laboratory Results 5 Day 48 Hr 72 Hr TEM 400 HOOK Date: Time: PLM Watts Project No.: Date: 12 Hr 24 Hr 3 H H 9 Entrance to Man's Restrains - Bothom Layer of Tile Turnaround Requested: Analysis Requested: TEM X Entioned to Maris Restroym - Oster Sample Location PLM / ○ Received By: 3826 Main Street, Buffalo, NY 14226 Date: 5/5 Adhorts Service Areas Edward O. Watts, P.E., P.C. Time: at (716) 836-1540 (716) 836-2402 Material Description Service Area Project: Samen Them Year Stade Thosams Your, 03-30 (Les amis Tile Mustic York -US-29 (Ceramic Tile Bactic Building / Location: Senecas Fax Preliminary Results to: Mail Report & Invoice to: Cares (Andrews Hint Engloses Sampled By: Contact: Sample Number Client:

Date:

Date: 5 / 5 / 00 Received By:

Relinquished By:

Comments:

EDWARD O. WATTS, P.E., P.C.

Page 1 of 3 19610008

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY STOCKED

Date: 4 / 13 / 00 Watts Project No.: Y0041.02 3 Hr 6 Hr 12 Hr Turnaround Requested: Analysis Requested: TEM PLM X ٥ Project: New York State Thruway Authority Service Areas Edward O. Watts, P.E. 3826 Main Street, But (716) 836-2402 at (716) 836-1540 Building / Location: Seneca Service Area Fax Preliminary Results to: Mail Report & Invoice to: Contact: Greg Andrews Client: Hunt Engineers

48 Hr 72 Hr 5 Day

_	Sample	Material Description	Sample Location	Laboratory nesures	2
	Number			PLM TE	TEM
1	Y0041.02-31	Visus VI	Men's Bestraum		
	Y0041.02-03	Y0041.02-62 3x4 (4) (4)	Man's Restroym		
	Y0041.02-03	X Y0041.02-0.3 Coult between teams Till and Window	Man's Agstaum		
X	Y0041.02-04	Y0041.02-04 Caully between Ceramic Tites	Men's Restroom		
	Y0041.02-05	Y0041.02-05 Truck Methon on Mother Duct	Man's Restrain sibus diep ceiling		
	Y0041.02-06	Y0041.02-06 Insulation an Metal Dust	Men's Bestiern about duch Ctiling		
	Y0041.02- U7	Y0041.02-07 Insulation on Metal Dust	Men's Brotherin where deep colling		
	Y0041.02-03	Y0041.02-03 Kind Calle around General Downs	Burge Duris in Barage Area		
X	Y0041.02-09	٢٥٥٤١.02-٥٦ مولي المحالية المح	Window in Brains Area		
	Y0041.02-10	Y0041.02-10 (ementitions Moiteria)	Chrimasy Elevanop Acca in Busement	,	
S	Sampled By:		Date: 14/13 / 00 Received By:	Date: $\frac{\langle 1/3 \rangle}{1.50 \mu}$	13/8 5002
α	Relinquished By:	JARR Charling Date: 4/	Date: \(\frac{1}{13}\) \(\frac{1}{13}\) Received By:	Date: /	

Stop of first positive for samples 05-07

Comments:_

EDWARD O. WATTS, P.E., P.C.

Page 2 of 3 130001209

Date: 4 / 13 / 00

Watts Project No.: Y0041.02

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

Project: New York State Thruway Authority Service Areas Building / Location: Seneca Service Area Client: Hunt Engineers

(716) 836-2402 at (716) 836-1540 Fax Preliminary Results to: Contact: Greg Andrews

Mail Report & Invoice to:

3826 Main Street, Buffalo, NY 14226 Edward O. Watts, P.E., P.C.

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

Samula	Material Description	Sample Location	Laboratory Results	y Results
Number			PLM	TEM
Y0041.02- 11	Y0041.02-11 Insolution between Built Sections	Poller in Basement		
Y0041.02-12	Y0041.02-12 Insilation between Ruiter Sections	Built in Busement		ď
Y0041.02-13	Y0041.02-13 Ensight of between Builton Sections	Builto in Busement		
Y0041.02-14	Y0041.02-14 Casket Material belining dusis	Builer in Bosement		
Y0041.02- 15	Y0041.02-15 Debris on Two of Chimney Duct	Chimney Duck in Busement		
Y0041.02-1	Y0041.02-12 Con is before an docts	The Hamilton Onit in Completioner		
Y0041.02-17	Y0041.02-17 Barilee Barks or Barled	Boiler in Bustmant		
Y0041.02-18	Y0041.02-18 Ract Flashins	Personeter of Chimnes, an High Rivit		
Y0041.02-14	Y0041.02-14 Rent Plushim	Fast Side of Fleshing From Low Rost to High Road		
Y0041.02-30	Y0041.02-20 Q 4.7 Flushing	Permetal of High Roaf		,
Sampled Bv.	4	Date: 4/13 / 00 Received By:	Date:	Date: 4/13/00
- La paiding		Time: : : Beceived Bv:	Date:	1,208:
Relinquished By:	LAND LANDENCY		Time:	

Comments: Step at first passitive for samples 11-13

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

Date: 4 / 13 / 00

Watts Project No.: Y0041.02 Turnaround Requested: Analysis Requested: TEM PLM X 3826 Main Street, Buffalo, NY 14226 Edward O. Watts, P.E., P.C. Project: New York State Thruway Authority Service Areas (716) 836-2402 at (716) 836-1540 Building / Location: Seneca Service Area Fax Preliminary Results to: Mail Report & Invoice to: Contact: Greg Andrews Client: Hunt Engineers

5 Day 6-10 Day

48 Hr 72 Hr

3 Hr 6 Hr

12 Hr 24 Hr

X Y0041.02-31 Brilt-up Reviews X Y0041.02-32 Brilt-up Reviews Y0041.02-32 Rulled Rushing Y0041.02-34 Seelent on Rolled Roching			
1		PLM	TEM
	Centre of Low Roof		
Y0041.02-27 Rulled Assting	Candre of High Rust		
Y0041.02-24 Section to Bolled Roction	Bast End of Orlegions Roof		
THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO I	East End of Original Roux		
You 7.02-35 Sealant on Slantes Purking of Rest			
Y0041.02-36, Starkent on Ducts		×	
X Y0041.02-37 Sealant on Ducts	Small Ducks on Law Roof		
16 x 1.02-38 Liston 1.02-38	Restriction Windows		
Y0041.02-			
Y0041.02-			
Sampled By:	Date: 4/13 / 00 Received By:	Date:	Date: 4/ (3,00
Relinquished By: 2 c. C.	Time: : Bate: : Received By:	Time: Date:	1:50
Relinquished By: 2000	#		Date:

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 Mon-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.



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

Finda of Madlin

Environmental Laboratory

Approval Program

LLM:da

United States Department of Commerce National Institute of Standards and Technology

TO MANUEL CE

ISO/IEC GUIDE 25:1990 ISO 9002:1987

Certificate of Accreditation

AND SAME OF STREET

EMSL ANALYTICAL, INC. WILLIAMSVILLE, NY

criteria established in Title 15, Part 285 Code of Federal Regulations. These criteria encompass the requirements of ISO 9002 (ANSI/ASQC Q92-1987) as suppliers of is recognized under the National Voluntary Laboratory Accreditation Program for satisfactory compliance with 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

National Institute of Standards and Technology



National Voluntary Laboratory Accreditation Program

ISO/IEC GUIDE 25:1990 ISO 9002:1987

Scope of Accreditation



BULK ASBESTOS FIBER ANALYSIS

Page: 1 of 1 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

Time are through

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APPENDIX C

Consultant Certification



STATE OF NEW YORK - DEPARTMENT OF LABOR

DIVISION OF SAFETY AND HEALTH

License and Certificate Unit BU!LDING 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.

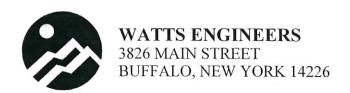
This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with 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.

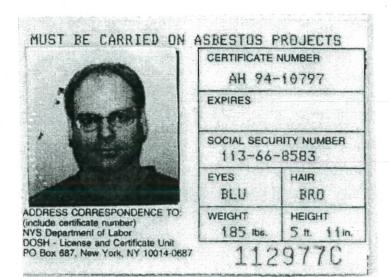
This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. The licensee verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate,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

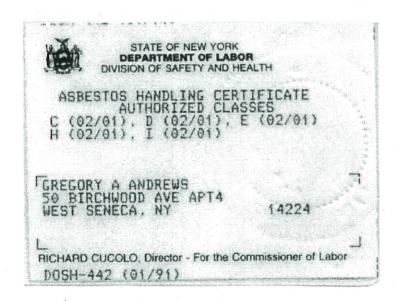
Richard Cucolo, Director

FOR THE COMMISSIONER OF LABOR

DOSH 432 (1-98)







- 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.

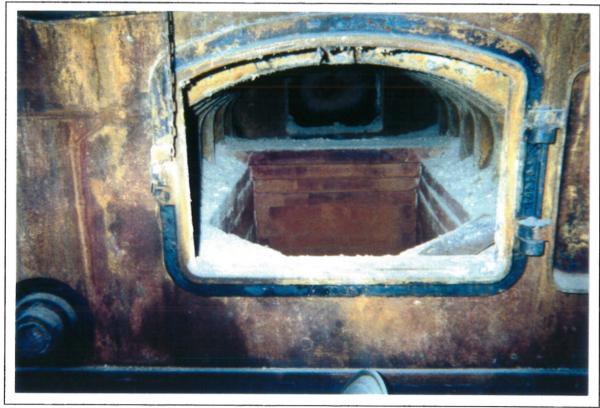


Photo 4: (Seneca Service Area (NYSTA) -Ontario County, New York) View of inside of the boiler in the basement. There is asbestos-containing material behind the black flanges of the doors. Additionally, the powdered material inside the boiler should be considered to be asbestos contaminated.



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.