# LIMITED SITE DATA ATTACHMENT J ASBESTOS SURVEY REPORT

# ASBESTOS SURVEY REPORT

# 34 Freeman's Bridge Road Site

# Prepared for:

New York State Department of Environmental Conservation 625 Broadway Albany, New York 12233

# Prepared by:

Earth Tech Northeast, Inc. 40 British American Blvd. Latham, New York 12110

October, 2005

# **Table of Contents**

APPENDIX B

			Page
1.0	INTRODUC	CTION	1-1
2.0	LIMITATIO	DNS	2-1
3.0	ASBESTOS	S SAMPLING SUMMARY	3-1
Anna	andiasa		
Appe	endices		
APPEN	NDIX A	LABORATORY REPORTS	

**CREDENTIALS** 

## 1.0 INTRODUCTION

On September 9, 2005, Earth Tech Northeast, Inc. (Earth Tech) conducted a demolition project survey for the presence of asbestos containing building materials in the building structure located at the 34 Freeman's Bridge Road Site in Glenville, New York. Ms. Patrice Poole (Asbestos Inspector #05-05628) conducted this inspection generally following the procedures and guidelines commonly used and accepted by federal and state regulations. The objective of the survey was to identify the presence and approximate the locations and quantities of suspect asbestos containing building materials (ACBM) that may be disturbed during the planned demolition of this building.

The inspector proceeded by assessing all areas of the building, including the roof sections, with the potential to contain asbestos that will be disturbed during the demolition project. The inspector selected materials from the building for inclusion in the inspection through professional experience and an understanding of the historical uses of asbestos. Generally speaking, if the building material within the building structure could contain asbestos, the material was included in the inspection.

Material included in the survey were identified and recorded with respect to grouped homogeneous sampling areas. Representative bulk samples were collected from locations within each homogeneous sampling area. Sampling information was recorded on chain of custody forms for documentation. Samples were individually preserved within a container and transported to an independent laboratory for asbestos analysis.

EMSL Analytical, Inc. of Westmont, New Jersey, (ELAP #10872, and NVLAP Code 101048-0) conducted laboratory analysis of asbestos samples via polarized light microscopy (PLM) and or transmission electron microscopy (TEM). Friable asbestos samples were analyzed by the method of PLM only. Non-friable organically bound (NOB) samples were initially analyzed by PLM, and, if initially negative for asbestos (i.e., <1% by weight), the negative result was confirmed by TEM. Samples were also analyzed by positive-stop methodology. Once a sample collected from a homogeneous group was analyzed and a positive (greater than 1%) was identified the remaining samples were not analyzed.

### 2.0 LIMITATIONS

The information provided in this report was compiled from field and laboratory data obtained during the site visit. Observations noted and recorded are intended to represent the conditions that existed at the subject site at the time and date that the observations were made.

Determinations of suspect asbestos containing material within the building were subject to the accessibility of individual areas or spaces. Earth Tech accepts no responsibility for the content of the building materials within areas or spaces that were unknown to us or not reasonably accessible. Earth Tech assumes no liability for any buildings that were not identified by the client that may fall under state or federal regulations.

Conclusions and recommendations provided in this report are based on the assumption that materials identified are homogeneous throughout their application.

The following limitations/conditions were noted as part of the survey:

- The asbestos survey was not conducted according to established USEPA AHERA (Asbestos Hazard Emergency Response Act) protocols, as required for public schools. This survey was conducted following general industry practices to identify those asbestos containing materials present in the building within the area described as the demolition project area. All inspection activities were, however, conducted by an AHERA certified asbestos inspector (NYSDOL Licenses No. 05-05628).
- The inspection was limited to only those materials within the described demolition project area that have the potential to be disturbed during the demolition.

# 3.0 ASBESTOS SAMPLING SUMMARY

The results of the asbestos sampling are provided in Table 1, sample locations are shown on Figure 1 and the laboratory results are presented in Appendix A. Based on this asbestos survey none of the building materials that will be disturbed during the planned demolition project have been identified as asbestos containing.

**Table 1 - Summary of Asbestos Sampling Results** 

34 Freeman's Bridge Road Site Glenville, New York 9/9/2005

			PLM Results	TEM Results
Sample	Description	Location /Area	(%, type)	(%, type)
MSP-1B	Wallboard Paper	Metal Storage Portion	NAD	Not applicable
MSP-1C	Wallboard Paper	Metal Storage Portion	NAD	Not applicable
MSP-2B	Wallboard	Metal Storage Portion	NAD	Not applicable
MSP-2C	Wallboard	Metal Storage Portion	NAD	Not applicable
MSA-1A	Brown Wallboard Paper	Main Storage Area	NAD	Not applicable
MSA-1B	Brown Wallboard Paper	Main Storage Area	NAD	Not applicable
MSA-1C	Brown Wallboard Paper	Main Storage Area	NAD	Not applicable
MSA-2A	White Wallboard	Main Storage Area	NAD	Not applicable
MSA-2B	White Wallboard	Main Storage Area	NAD	Not applicable
MSA-2C	White Wallboard	Main Storage Area	NAD	Not applicable
MSA-3A	White Ceiling Tile Type 4	Main Storage Area	NAD	Not applicable
MSA-3B	White Ceiling Tile Type 4	Main Storage Area	NAD	Not applicable
MSA-3C	White Ceiling Tile Type 4	Main Storage Area	NAD	Not applicable
DUP-1	White Ceiling Tile Type 4	Main Storage Area	NAD	Not applicable
MSA-4A	White Ceiling Tile Type 1	Main Storage Area	NAD	Not applicable
MSA-4B	White Ceiling Tile Type 1	Main Storage Area	NAD	Not applicable
MSA-4C	White Ceiling Tile Type 1	Main Storage Area	NAD	Not applicable
MSA-5A	White Ceiling Tile Type 2	Main Storage Area	NAD	Not applicable
MSA-5B	White Ceiling Tile Type 2	Main Storage Area	NAD	Not applicable
MSA-5C	White Ceiling Tile Type 2	Main Storage Area	NAD	Not applicable
OPA-1A	Tan Blown In Insulation	Open Ofice Area	NAD	Not applicable
OPA-1B	Tan Blown In Insulation	Open Ofice Area	NAD	Not applicable
OPA-1C	Tan Blown In Insulation	Open Ofice Area	NAD	Not applicable
OPA-2A	Brown Ceiling Tile	Open Ofice Area	NAD	Not applicable
OPA-2B	Brown Ceiling Tile	Open Ofice Area	NAD	Not applicable
OPA-2C	Brown Ceiling Tile	Open Ofice Area	NAD	Not applicable
OPA-3A	Brown Wallboard Paper	Open Ofice Area	NAD	Not applicable
OPA-3B	Brown Wallboard Paper	Open Ofice Area	NAD	Not applicable
OPA-3C	Brown Wallboard Paper	Open Ofice Area	NAD	Not applicable

PLM Test Method: NYS ELAP 198.1, TEM Test Method: NYS ELAP 198.41

ANR: Only the first sample in each Homogenous sample group was analyzed.

CNR: Confirmation analysis was not required due to positive PLM Result (i.e., >1% by weight)

NAD: No Asbestos Detected in the sample above the method detection limit.

NAC: Non-Asbestos Containing, sample may have trace of asbestos below the definative concentration of 1% for Asbestos Containing Building Materia

**Table 1 - Summary of Asbestos Sampling Results** 

34 Freeman's Bridge Road Site Glenville, New York 9/9/2005

Sample	Description	Location /Area	PLM Results (%, type)	TEM Results (%, type)
OPA-4A	White Wallboard	Open Office Area	NAD	Not applicable
OPA-4B	White Wallboard	Open Office Area	NAD	Not applicable
OPA-4C	White Wallboard	Open Office Area	NAD	Not applicable
OPA-5A	Cloth Wire Wrap	Open Office Area	NAD	NAD
OPA-5B	Cloth Wire Wrap	Open Office Area	NAD	NAD
S-1A	White Ceiling Tile Type 1	Showroom	NAD	Not applicable
S-1B	White Ceiling Tile Type 1	Showroom	NAD	Not applicable
S-1C	White Ceiling Tile Type 1	Showroom	NAD	Not applicable
S-2A	White Ceiling Tile Type 2	Showroom	NAD	Not applicable
S-2B	White Ceiling Tile Type 2	Showroom	NAD	Not applicable
S-2C	White Ceiling Tile Type 2	Showroom	NAD	Not applicable
S-3A	White Ceiling Tile Type 3	Showroom	NAD	Not applicable
S-3B	White Ceiling Tile Type 3	Showroom	NAD	Not applicable
S-4A	Brown Mastic (ceiling tile type 3)	Showroom	< 1% Anthophyllite	NAD
S-4B	Brown Mastic (ceiling tile type 3)	Showroom	< 1% Anthophyllite	NAD
S-4C	Brown Mastic (ceiling tile type 3)	Showroom	< 1% Anthophyllite	NAD
S-5A	Brown Wallboard Paper	Showroom	NAD	Not applicable
S-5B	Brown Wallboard Paper	Showroom	NAD	Not applicable
S-5C	Brown Wallboard Paper	Showroom	NAD	Not applicable
S-6A	White Wallboard	Showroom	NAD	Not applicable
S-6B	White Wallboard	Showroom	NAD	Not applicable
S-6C	White Wallboard	Showroom	NAD	Not applicable
W-1A	Brown Wallboard Paper	Woodshop	NAD	Not applicable
W-1B	Brown Wallboard Paper	Woodshop	NAD	Not applicable
W-1C	Brown Wallboard Paper	Woodshop	NAD	Not applicable
W-2A	White Wallboard	Woodshop	NAD	Not applicable
W-2B	White Wallboard	Woodshop	NAD	Not applicable
W-2C	White Wallboard	Woodshop	NAD	Not applicable

PLM Test Method: NYS ELAP 198.1, TEM Test Method: NYS ELAP 198.41

ANR: Only the first sample in each Homogenous sample group was analyzed.

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**Table 1 - Summary of Asbestos Sampling Results** 

34 Freeman's Bridge Road Site Glenville, New York 9/9/2005

Sample	Description	Location /Area	PLM Results (%, type)	TEM Results (%, type)
OBS-1A	Brown Wallboard Paper	Office/Bathroom/Shower Room	NAD	Not applicable
OBS-1B	Brown Wallboard Paper	Office/Bathroom/Shower Room	NAD	Not applicable
OBS-1C	Brown Wallboard Paper	Office/Bathroom/Shower Room	NAD	Not applicable
OBS-2A	White Wallboard	Office/Bathroom/Shower Room	NAD	Not applicable
OBS-2B	White Wallboard	Office/Bathroom/Shower Room	NAD	Not applicable
OBS-2C	White Wallboard	Office/Bathroom/Shower Room	NAD	Not applicable
OBS-3A	Brown Wallboard Paper 2nd lyr	Office/Bathroom/Shower Room (shower room)	NAD	Not applicable
OBS-4A	White Wallboard 2nd lyr	Office/Bathroom/Shower Room (shower room)	NAD	Not applicable
OBS-5A	White Ceiling Tile Type A	Office/Bathroom/Shower Room	NAD	Not applicable
OBS-5B	White Ceiling Tile Type A	Office/Bathroom/Shower Room	NAD	Not applicable
OBS-5C	White Ceiling Tile Type A	Office/Bathroom/Shower Room	NAD	Not applicable
OBS-6A	White Ceiling Tile Type B	Office/Bathroom/Shower Room	NAD	Not applicable
OBS-6B	White Ceiling Tile Type B	Office/Bathroom/Shower Room	NAD	Not applicable
OBS-6C	White Ceiling Tile Type B	Office/Bathroom/Shower Room	NAD	Not applicable
DUP-3	White Ceiling Tile Type B	Office/Bathroom/Shower Room	NAD	Not applicable
OBS-7A	Black Carpet Under Layment	Office/Bathroom/Shower Room	NAD	Not applicable
OBS-7B	Black Carpet Under Layment	Office/Bathroom/Shower Room	NAD	Not applicable
OBS-7C	Black Carpet Under Layment	Office/Bathroom/Shower Room	NAD	Not applicable
RMOB-1A	Black Tar Paper	Roof over Office/Bathroom/Shower Room	NAD	NAD
RMOB-1B	Black Tar Paper	Roof over Office/Bathroom/Shower Room	NAD	< 1% Chrysotile
RMOB-1C	Black Tar Paper	Roof over Office/Bathroom/Shower Room	NAD	NAD
RMOB-2A	Black Shingle	Roof over Office/Bathroom/Shower Room	NAD	< 1% Chrysotile
DUP-2	Black Shingle	Roof over Office/Bathroom/Shower Room	NAD	< 1% Chrysotile
RMOB-2B	Black Shingle	Roof over Office/Bathroom/Shower Room	NAD	NAD
RMM-1A	Black Tar Paper	Main Roof	NAD	NAD
RMM-1B	Black Tar Paper	Main Roof	NAD	NAD
RMM-1C	Black Tar Paper	Main Roof	NAD	NAD

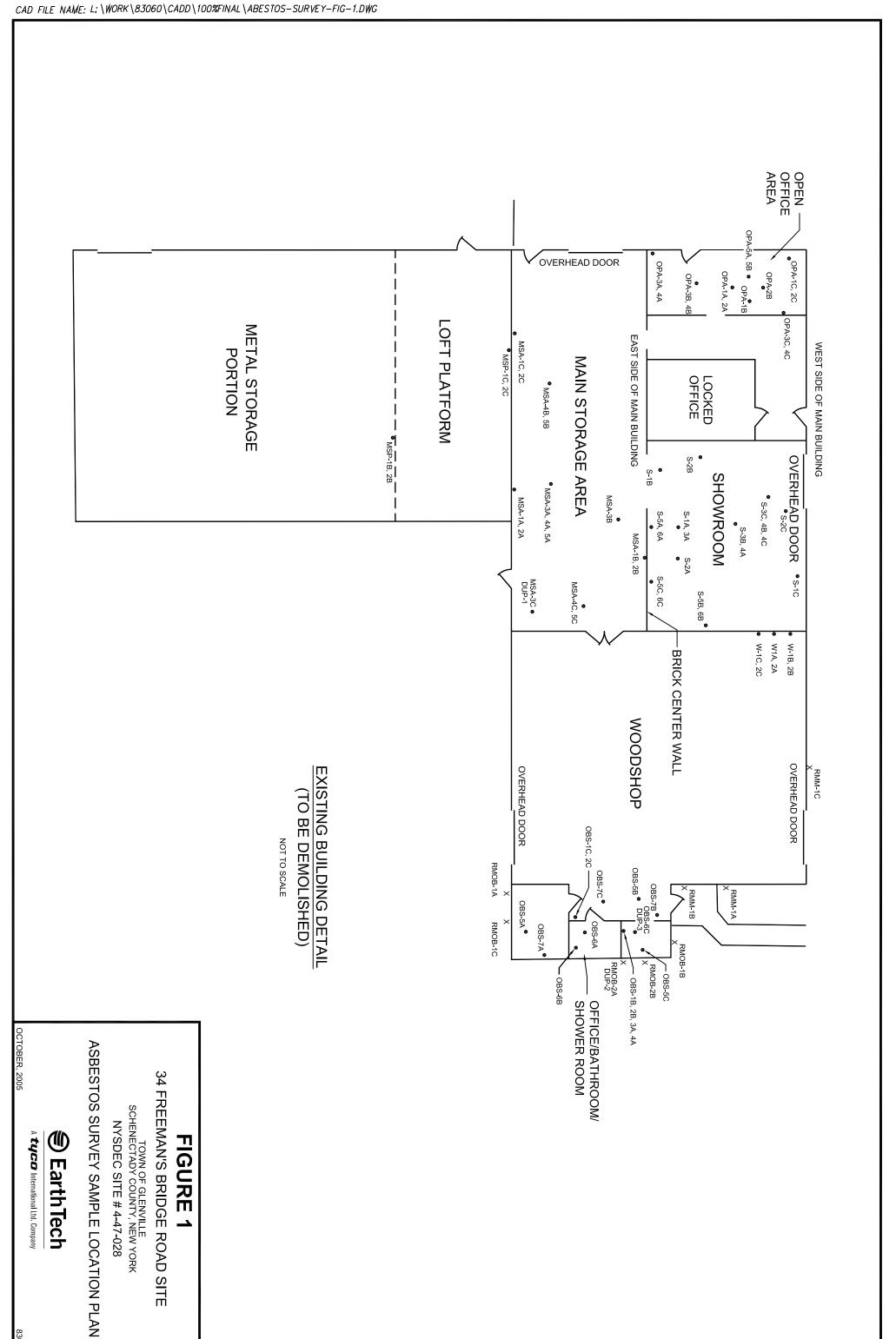
PLM Test Method: NYS ELAP 198.1, TEM Test Method: NYS ELAP 198.41

ANR: Only the first sample in each Homogenous sample group was analyzed.

CNR: Confirmation analyis was not required due to positive PLM Result (i.e., >1% by weight)

NAD: No Asbestos Detected in the sample above the method detection limit.

NAC: Non-Asbestos Containing, sample may have trace of asbestos below the definative concentration of 1% for Asbestos Containing Building Material



# APPENDIX A

**Laboratory Reports** 

TOT HAGOTHE REPARTMENTS ON THE FOREST

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Attn: Chris Hunsicker Earth Tech 40 British American Boulevard

Latham, NY 12110

(518) 951-2300

Phone: (518) 951-2200

Project: 83060,02 FREEMAN'S BRIDGE

Customer ID:

Customer PO:

Received:

09/13/05 11:22 AM

EMSL Order:

040517543

**REI50** 

EMSL Proj:

Analysis Date:

9/15/2005

Report Date:

9/15/2005

# Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non-	-Asbestos	Asbestos
Sample	Location	Appearance	% Fibrous	% Non-Fibrous	% Type
OPA-2A		Brown/Gray/White	60.00% Cellulose	30.00% Non-fibrous (other)	None Detected
040517543-0001		Fibrous Heterogeneous	10.00% Min. Wool		
OPA-2B		Brown/Gray/W hite	60.00% Cellulose	30.00% Non-fibrous (other)	None Detected
040517543-0002		Fibrous Heterogeneous	10.00% Min. Wool		
OPA-2C		Brown/Gray/White	60.00% Cellulose	30.00% Non-fibrous (other)	None Detected
040517543-0003		Fibrous Heterogeneous	10.00% Min. Wool		
`A-3A		Brown/W hite	10.00% Cellulose	90.00% Non-fibrous (other)	None Detected
J517543-0004		Fibrous Heterogeneous			
OPA-3B		Brown/W hite	10.00% Cellulose	90.00% Non-fibrous (other)	Nane Detected
040517543-0005		Fibrous Heterogeneous			
OPA-3C		Brown/W hite	10.00% Cellulose	90.00% Non-fibrous (other)	None Detected
040517543-0006		Fibrous Heterogeneous		and the second s	sand-podig salak kalan on nyakan-ke-keminan na ahan-sha fasililili. yakh pekan ili sania pelenanon milijida ke disalah salah sa
OPA-4A		Brown/Gray	10.00% Cellulose	90.00% Non-fibrous (other)	None Detected
040517543-0007		Fibrous Heterogeneous			
OPA-4B		Brown/Gray	10.00% Cellulose	90.00% Non-fibrous (other)	None Detected
040517543-0008		Fibrous Heterogeneous			
OPA-4C		Brown/Gray/White	10.00% Cellulose	90.00% Non-fibrous (other)	None Detected
040517543-0009		Fibrous Heterogeneous			conference for \$100 A State on contrast and circles was an extended what down deployed an area with an extended and an extended an extended and an extended and an extended and an extended an
MSP-1A 040517543-0010		от не при водения в под вод В под водения в под водени			Not Submitted

Д	na	vst	(5)
$\neg$	110	1401	101

Will DiBella (16)

Stephen Siegel, CIH or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with 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 Analytical, Inc. The above test must not be used by the client to daim product endorsement by NVLAP nor any agency of the United States Government. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Analysis performed by EMSL Westmort (NVLAP #101048-0), NY ELAP 10872

# SMSL Analytics), Inc.

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Attn: Chris Hunsicker

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Project: 83060.02 FREEMAN'S BRIDGE

EMSL Proj:

Analysis Date:

Customer ID: Customer PO:

EMSL Order:

Received:

9/15/2005

Report Date:

9/15/2005

040517543

09/13/05 11:22 AM

REI50

# Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			<u>Non-</u>	Asbestos	Asbestos
Sample	Location	Appearance	% Fibrous	% Non-Fibrous	% Type
MSP-2A					Not Submitted
040517543-0011					
D4007754070011					
OBS-1A		Brown/W hite	20.00% Cellulose	80.00% Non-fibrous (other)	None Detected
040517543-0012		Fibrous			
0 100 17 0 10 00 12		Heterogeneous			an Nagarina anna a ann an Aontain an Aontain ann an Aontain an Aontain an Aontain an Aontain an Aontain an Aontain a
OBS-1B		Brown/W hite	50.00% Cellulose	50.00% Non-fibrous (other)	None Detected
040517543-0013		Fibrous			
		Heterogeneous		TO DOM Star Star Lothor	
S-1C		Brown/W hite	30.00% Cellulose	70.00% Non-fibrous (other)	None Detected
J517543-0014		Fibrous			
		Heterogeneous		to good the files was dather	
OBS-3A		Brown/W hite	60.00% Cellulose	40.00% Non-fibrous (other)	None Detected
040517543-0015		Fibrous			
		Heterogeneous		OO OOU N Change Jathor	
OBS-4A		Brown/Gray	10.00% Cellulose	90.00% Non-fibrous (other)	None Detected
040517543-0016		Fibrous			
		Heterogeneous			

Analyst(s)	
Will DiBella (16)	Stephen Siegel, CIH
TYMI DIDENA (10)	or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with 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 Analytical, inc. The above test must not be used by the client to daim product endorsement by NVLAP nor any agency of the United States Government. The test results contained within this report meet the requirements of NELAC unless otherwise noted.

Analysis performed by EMSL Westmort (NVLAP #101048-0), NY ELAP 10872

EMSL Analytical Inc. rati tadous nas Nagaturus, tratititi ta

Park 1950, 1964-1950 - Parks Stragge (2000), 2000

Attn: Chris Hunsicker

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Customer PO:

Received:

09/13/05 11:22 AM

EMSL Order:

040517543

RE150

EMSL Proj:

Analysis Date:

9/15/2005 9/15/2005

Report Date:

# Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLEID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
OPA-5A		Brown	100.0	None	Inconclusive No Asbestos Detected
040517543-0017		Non-Fibrous Homogeneous			
OPA-5B		Brown	100.0	None	Inconclusive: No Asbestos Detected
040517543-0018		Non-Fibrous Homogeneous			

Analyst(s)  Will DiRella (2)	Stephen Siegel, CIH
Will DiBella (2)	or other approved signatory

\*Polarized Light Microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. The test results contained within this report met the requirements of NELAC unless otherwise noted. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except infull, without written approval by EMSL. The above test report relates only to the items tested. EMSL bears no responsibility for sample collection activities or analytical method limitations.

ACCREDITATIONS: AIHA #100192, NVLAP #101048-0 and NY STATE ELAP #10872

107 Haddon Ave., Westmont, NJ 08108

Phone: (856) 358-4800 Fax: (856) 858-4960 Email: ssiegel@EMSL.com

Attn: Chris Hunsicker

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Phone: (518) 951-2200

Project: 83060.02 FREEMAN'S BRIDGE

EMSL Proj:

Received:

Customer ID:

Customer PO:

EMSL Order:

Analysis Date: Report Date:

9/16/2005

RE150

09/13/05 11:22 AM

9/29/2005

040517543

# Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLEID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES	%TOTAL ASBESTOS
OPA-5A		Brown	100.0	None	No Asbe	stos Detected
040517543-0017		Non-Fibrous				
		Homogeneous				
OPA-5B		Brown	100.0	None	No Asbe	stos Detected
040517543-0018		Non-Fibrous				
***************************************		Homogeneous				

Analyst(s)

Steve Siegel (2)

Stephen Siegel, CIH or other approved signatory

This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The lest results contained within this report meet the requirements of NELAC unless otherwise noted. ACCREDITATIONS: AIHA #100194, NVLAP #101048-0 and NY STATE ELAP #10872

EMSL	Analytical, Inc.		Altn: Chr.	Chris Hunsicker Earth Tech 40 British American Boulevard	3 ou le vard	Customer PO: Received: EMSL Order:	09/13/05 11:22 NA
Achestos Analysis of Bulk Material	is of Bulk Mat	Emmanded to CO	Fax: (5)	(518) 951-2300 83080.02 FREEMAN'S BRIDGE	Phone: (518) 951-2200 IDGE	EMSL Proj: Report Date:	9/16/2005
	₫.	Analyzed	اه د د د د د د د د د د د د د د د د د د د	Non Asbestos Fibrous	itos Non-Fibrous	Ashestos	COMMERCE
Sample Description	Test Test Na NVS 198.1 Friable 9	8	Color rown/Gray/	60.00% Cellulose	30%	None Detected	AN
PA-2A	ada departemental de la composition della compos	And the second s	¥ V 111.V	V. A. C.	HA HA		MA
40517543-0001	PLM NYS 198.6 NOB	A CONTRACTOR OF THE PROPERTY O	and the property of the second statement of the second		nomination and the state of the	None Detected	powersking was configurated in page 18 and 28 a
gest above - 11 to 400 billion and resident state (see the second and second and second and second and second	TEM NYS 185.4 1025	9/15/2005	Birown/Gray/	60.00% Cellulose	317%	. A description and description description description of the description description and the schools of the description and the d	A 1.1.4
OPA-28	M. M	The second secon	VINE	10.00 % Will. 10.00	MAA	enement on the common of the c	W.R.
40517543-0002	PLM NYS 198,6 NOB	And the second desired the second sec	der charrent MARIE 190 dere dies anders anders de generale de l'estate de l'es	and the second control of the second control	NA		
	TEM NYS 1984 NOB	23 Q V Col at F1 -	Down Cray	60.00% Cellulose	30%	None Detected	опункан гурний в Видей Майдей Майдей
agnosissystymistatidicidesteorysystymistatidesteorysystymistatidesteorysystymistatidesteorysystymistatidesteory	PLM NYS 198.1 Friable	6007 KL	White	10.00% Min. Wool	No. 1 M. M. Comments of the Co	an individual de la companya del la companya de la	NA
0-14-20	es de la company	Personal Principles of the Control o	And the second district of the second		A 1 FA		<u> </u>
40517549-0203	PLM NYS 198,6 NOB	Control of the Contro	And the second s	TO A THE STATE OF	FQTPA	Mone Detected	
	TEM NYS 196.4 NVS	0.46.00005	Rrown/White	10,00% Cellulosa	90%	en er eine eine er ein	N/A
	PLM NVS 198.1 Friable	CONTROL IA	A STATE OF THE STA		MIR.	to deliminate tradition of the control of the contr	WA
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	TEM MYS 198.4 NOB	The second secon	own white	10,00% Calubase	4,06	NOIS DESCRIPTION	14/A
en e	PLM NYS 198.1 Frieble	conzel/8	C) LARCE & a comment		BAJA.	e	NA
LOCATE AND	PLM NYS 198.6 NOB	CONTRACTOR ETABLISMENT CONTRACTOR AND EXCENSION AND EXCENS	ALL PROPERTY AND PROPERTY OF THE PROPERTY OF T	And a second control of the second control o	MIA	The state of the s	AND AND ADDRESS OF THE STATE OF
	TEM NYS 198.4 NOB		9	40 M% Cellulose	908	None Detected	NA
на и не при	PLA NYS 198.1 Frlable	9/15/2005	Argwill Wall			та да да да на вой воден в	AIN
OPA-3C	PLM NYS 198.6 NOB			tamou para-showe palific systems (Agricus e da siji kilati kilati kilati kilati kilati kilati kilati kilati ki	A/A	NON COLUMN DE LA RECORDE D	TO A C A T.
40517543-UMM	TEM NYS 198.4 NOB	egyete 200 garden er en		Secure of the second		None Detected	A P St. 18
and the second and th	pi M NYS 198.1 Friable	9/15/2005	5 Brown/Gray	10.00% Camps	A VA		VAI
SPA 4A	BON 9886 NOB		The second secon	uningsyslilisis-saammoon maakkissosiseneessa siidii filliskigkeesfellijaa Viinsakkiilisis-keesselt (issa-m	WINTER THE PROPERTY OF THE PRO	A THE REAL PROPERTY OF THE PRO	VIII JA J
40517543-0001	Signature of the same of the s			Seasy white commercial control of the commercial control of the co	SANDA SA		

096789988 80:21 9002/91/6

Chris Hunsicker Tool Head Attn:

40 British American Boulevard Latham, NY 12110

(518) 951-2300

Phone: (518) 951-2200

Customer PO: EMSL Order. Received;

040517543

09/13/05 11:22 hh

EMSL Proj:

Report Date:

83050.02 FREEMAN'S BRIDGE

Project:

Asbestos Analysis of Bulk Material

Fax

9/16/2005

Customer ID:

REESO

9/15/2005

PLM NYS 198.1 Friable

TEN NYS 198.4 NOB PLM NYS 198.6 NOB

PLM NYS 198.6 NOB

40517543-0010

SP-1A

\$40517543-000B

PPA-4C

NAN

SZ

MA

NA

10.00% Cellulosa

Brown/Gray/ White

9/15/2005

PLM NYS 198.1 Friable

TEM NYS 198.4 NOB PLM NYS 198.6 NOB

MA MA

MA

NA

Not Submitted

MA XX

None Detected

MA 90%

MA

10.00% Cellulose

**Brown/Gray** 

9/15/2005

PLM NYS 198,1 Frlable

Color

Analyzed Date

RES

Sample Description

40617543-0008

JPA-4B

AX Z Z

None Defected Asbestos

Non-Fibrous

Non Asbestos

NA

Not Submitted

9/15/2005 TEM NYS 198.4 NOB

PLM NYS 198.1 Frtable TEM NYS 198,4 NOB PL.M NYS 198.5 NOB

4d517543-0011

MSP-2A

PLM NYS 198.1 Friable

DBS-1A

PLM NYS 198.6 NOB TEM NYS 1984 NOB

> 340517543-0012 CBS-1B

8268284360

140517543-0013

9002/91/ 17:08

(DBS-1C

40517543-0014

\$

Dace 2

Z Z NA

None Detected

40%

60,00% Calkulose

Brown/White

9/15/2005

PLM NYS 198.1 Frlable

TEM NYS 198.4 NOB

PLM NYS 198.6 NOB

40517543-0015

BS-3A

N.

NA

None Detected

70%

30.00% Callulose

Brown/White

9/15/2005

PLM NYS 198.1 Frlable

TEM NYS 198.4 NOB

PLM NYS 198.6 NOB

PLM NYS 198.6 NOB TEM NYS 198,4 NOB

MA

MA

MA NA

MIA

None Detected

50%

50,00% Cellulose

Brown/While

9/15/2005

PLM NYS 198.1 Friable

20,00% Cellulosa

**Brown/White** 

9/15/2005

MA ₹ Z

KA XX

NA MA

None Detected

EMSL Analytical, Inc.  (858) 858-4800 (858) 858-4800 Asbestos Analysis of Bulk Material	tical, Inc.	ter a	Aftn: CP	Chris Hunsicker Earth Tech 40 British American Boulevard Latham, NY 12110 (518) 951-2300 Phone: (518)	. Boulevard Phone: (518) 951-2200 RIDGE	Customer ID: Customer PO: Received: EMSL Order: 200 EMSL Proj: Report Date:
		Analyzed		Non Asbestos	setos Non-Fibrous	Asbestos
	Test	Date	Color	F101015		None Detected
Sample Description	PLM NYS 198.1 Friable	9/15/2005	Вгомп/Спау	10.00% Celkilose	90% N/A	A CARLO AND
Anna17563-0016	PLM NYS 198.6 NOB	een	Annual desiration of the second secon	openiosis and a surrena	and the contract of the contra	
	TEM NYS 198.4 NOB			THE PROPERTY OF THE PROPERTY O	ma demonstration de la meigle de	одорим политичний обращиний политичний политични
	PLM NYS 198.1 Friable	AND THE PROPERTY OF THE PROPER		AND THE PROPERTY OF THE PROPER		Inconclusive: None Defected
0PA-5A	DI M NYS 198.6 HOB	9/15/2005	Вгомп	Allenda open Allenda en	A N. 1. C. S. 1. C. S	None Detected
(5) (5) (5)	TEM NYS 198.4 NOB	9/16/2005	Brown	des acción principal de de la comprese de des de la comprese del la comprese de la comprese de la comprese de la comprese del la comprese de la comprese del la comprese de la comprese del la compr	FULH	des seguimente aconde de Reconstructe de Construction de State de Construction
	PLM NYS 198.1 Frlable		A PARTICULAR PROPERTY AND A PARTICULAR PROPE	олинин — Зеугр — шин абадандорун ў Айламай — оснашця гір — дойдарду — Айдандру — айдандру — айдандру — айдандру	The second contract of	Incordictive: None Detected
OPA-38	O'M NYS 198.6 NOB	9/15/2005	Втомп		17.7.	None Defected
		9/16/2005	Brown	жы <sub>д то</sub> на обида дохумального бителення в представляющей в представляюще	TALA	

Comments

Š N.

NA

¥.

Stephen Siegel, CIH

or other approved signatory

EASL maintains llability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EASL. The above test report relates only to the sample collection activities or analytical method limitations. The results in this report meet a fine test is not consistently or any agency of the U.S. Government. EASL bears no responsibility for sample collection activities or analytical method in mitations. PLM is not consistently reliable in detecting requirements of the NELAC Standards unless otherwise noted. The laboxatory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Quantitative TEM is currently the only method that can be used to determine if a NOB material can be considered or treated as non-assbeators containing.

CCREDITATIONS: AIMA #100194, NVLAP #101048-0 and NY STATE ELAP #10872

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Page 1

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150

040517543

9/16/2005

JADITY JANA EWSF 0967898998

VOB = Non Friable Organically Bound

WA = Not Applicable

+3/16/2005 17:08

Sample Container Date / Time Date / Time 0405 (7543 Chain of Custody Record PELS NG ICAL Earth Tech Cooler# lemp, of Shipping Container. Laboratory Receiving Notes: Custody Seal Intact? Sample Type Sample Condition: llems; ltems: Disposed of by: (Signature) Disposed of by: (Signature) Ü 0 0 0 5 Samples delivered in person # T Pink Copy - Client Custody Scal # SVP SKeheck Delivery Method: Common carrier Analysis Required Received By Assaure) रक्तवार्गात्वी ग्रें । जिल्लामानक Number Label PID Reading (mmd) Egdenal Express Airbill No.; Comp Date / Time White Copy - Lab ないのである Crup Remarks: Project Name/Cileni Sample Gertfordian Asignature) ENDIN HOLY ららをながり Sample Description (Field 1D Number) Redunquighed by: (Signature) 200 - 500 200 - 500 アルータペラ 00A - 24 した・ナング マなーショウ した・なの 48 - 280 48 - 28 44 - 880 Send Lab Results To: のカーオの ひた。大名 83260,02 ママグ OBS -Project Number Mem. 芈 5

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Rev. 10/98

107 Haddon Ave., Westmont, NJ 08108

Attn: Chris Hunsicker Earth Tech

40 British American Boulevard

Latham, NY 12110

(518) 951-2300

Fax:

Phone: (518) 951-2200

Project: 83060.02/FREEMAN'S BRIDGE

Customer ID:

RE150

Customer PO:

Received:

09/13/05 11:22 AM

EMSL Order:

040517559

EMSL Proj:

Analysis Date:

9/15/2005

Report Date:

10/4/2005

# Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non	<u>Asbestos</u>	
Sample	Location	Appearance	% Fibrous	% Non-Fibrous	% Type
S-1A		Tan/White	35.00% Cellulose	30.00% Non-fibrous (other)	None Detected
040517559-0001		Fibrous	35.00% Min. Wool		
<del></del>		Heterogeneous			
S-2A		Brown/White	40.00% Cellulose	40.00% Non-fibrous (other)	None Detected
040517559-0002		Fibrous	20.00% Min. Wool		
Million de la companya del la companya de la compan		Heterogeneous	1		
S-3A		Tan/White	65.00% Cellulose	35.00% Non-fibrous (other)	None Detected
040517559-0003		Fibrous			
		Heterogeneous			
4A		Brown		100.00% Non-fibrous (other)	<1% Anthophyllite
J40517559-0004		Non-Fibrous			
		Homogeneous	Suggest TEM		
S-4B		Brown		100.00% Non-fibrous (other)	<1% Anthophyllite
040517559-0005		Non-Fibrous			
		Homogeneous	Suggest TEM		
S-4C		Brown	addest 17 M	100.00% Non-fibrous (other)	<1% Anthophyllite
140517559-0006		Non-Fibrous		100.00% Non-Hotous (Gelet)	178 Anthophymie
040377333-0000		Homogeneous			
			Suggest TEM		
S-5A		Brown/White	65.00% Cellulose	35.00% Non-fibrous (other)	None Detected
040517559-0007		Fibrous			
		Heterogeneous			
S-5B		Brown/White	65.00% Cellulose	35.00% Non-fibrous (other)	None Detected
040517559-0008		Fibrous			
S-5C		Heterogeneous Brown/White	60.00% Cellulose	40 000/ NI - Character (-11)	
			60.00% Cenulose	40.00% Non-fibrous (other)	None Detected
740517559-0009		Fibrous Heterogeneous			
S-6A		White/Brown	5.00% Cellulose	06 00% Non fibroug (ather)	
			5.00% Cenulose	95.00% Non-fibrous (other)	None Detected
040517559-0010		Fibrous			
***************************************		Heterogeneous			

Analyst(s)

Nancy Stalter (15)

Stephen Siegel, CIH

or other approved signatory

.M has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none etected should be tested with 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 Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. The test results contained within this report meet the requirements of NELAC unless otherwise noted.

Analysis performed by EMSL Westmont (NVLAP #101048-0), NY ELAP 10873

PLMPointCount-1

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EMSL Proj:

Analysis Date:

Customer ID:

Customer PO:

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9/15/2005

REI50

Report Date:

10/4/2005

040517559

09/13/05 11:22 AM

# Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non-Asbestos			
Sample	Location	Appearance	% Fibrous	% Non-Fibrous	% Type	
S-6B		White/Brown	10.00% Cellulose	90.00% Non-fibrous (other)	None Detected	
040517559-0011		Fibrous Heterogeneous			4	
S-6C		White/Brown	5.00% Cellulose	95.00% Non-fibrous (other)	None Detected	
040517559-0012		Fibrous Heterogeneous				
OPA-1A		Tan	85.00% Cellulose	15.00% Non-fibrous (other)	None Detected	
040517559-0013		Fibrous Heterogeneous				
PA-18		Tan	80.00% Cellulose	15.00% Non-fibrous (other)	None Detected	
J40517559-0014		Fibrous Heterogeneous	5.00% Min. Wool			
OPA-1C	40000000000000000000000000000000000000	Tan	85.00% Cellulose	15.00% Non-fibrous (other)	None Detected	
040517559-0015		Fibrous Heterogeneous				

Analyst(s)

Nancy Stalter (15)

Stephen Siegel, CIH or other approved signatory

\_M has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above lest report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL. Analytical, Inc. The above test must not be used by the client to claim product enforsement by NVLAP nor any agency of the United States Government. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Analysis performed by EMSL Westmont (NVLAP #101048-0), NY ELAP 10872

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8568584960



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Latham, NY 12110

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Phone; (518) 951-2200

Project: ORG, ID#040517559/83060.02/FREEMAN'S BRIDGE

EMSL Proj:

Analysis Date: Report Date:

Customer ID:

Customer PO: Received:

EMSL Order:

9/30/2005

040518662

09/29/05 10:47 AM

REI50

9/30/2005

# Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLEID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES	% TOTAL ASBESTOS
S-4A		Brown	100.0	None	No Asbe	stos Detected
040518662-0001		Non-Fibrous				
		Homogeneous				
948		Brown	100.0	None	No Asbe	istas Detected
040518662-0002		Non-Fibrous				
		Homogeneous	A			
5-4C		Brown	100.0	None	No Asbe	stos Detected
010518662-0003		Non-Fibrous				
		Homogeneous				

uminum Silicate fibers observed on all three samples.

Analyst(s)

Steve Siegel (3)

Stephen Siegel, CIH or other approved signatory

This isboratory is not responsible for % sebestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not reproduced, except in full, without written approval by EMSL Analytical, inc. The test results contained within this report meet the requirements of NELAC unless otherwise noted, CREDITATIONS: AIHA #100194, NVLAP #101048-0 and NY STATE ELAP #10872

NYTNOB-2

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107 Haddon Ava., Westmont, NJ 08108

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Phone: (518) 951-2200

Project: 83060.02/FREEMAN'S BRIDGE

Customer ID:

Customer PO:

Received:

09/13/05 11:22 AM

EMSL Order 040517555

EMSL Proj:

Analysis Date:

9/19/2005

Report Date:

9/19/2005

REI50

# Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Location		N.	NY State ELAP 198.1 M	
MSA-4A		Appearance White/Brown	% Fibrous 45.00% Cellulose	% Non-Fibrous	Asbestos % Type
040517555-0001 MSA-48	· ·	Fibrous Heterogeneous	35.00% Min. Wool	20.00% Non-fibrous (other)	None Detected
040817558-0002		White/Brown Fibrous	45.00% Cellulose 35.00% Min. W∞l	20.00% Non-fibrous (ather)	None Detected
WSA-4C 040517556-0003		Heterogeneous White/Brown Fibrous	45.00% Cellulose 35.00% Min. Wool	20.00% Non-fibrous (other)	None Detected
SA-5A 40517555-0004		Heterogeneaus White/Brown Fibrous Heterogeneaus	45.00% Cellulose 35.00% Min. Wool	20.00% Non-fibrous (other)	None Detected
3A-58 0517ass-0005 SA-5C	,	White/Brown Fibrous Heterogeneous	45.00% Cellulose 35.00% Min. Wool	20.00% Non-fibrous (other)	None Detected
P 1		White/Brown Fibrous Heterogeneous	45.00% Cellulose 35.00% Min. W <i>o</i> ol	20,00% Non-fibrous (other)	None Detected
517556-0007 P 3		White/Brown/Pink Fibrous Heterogensous	10.00% Cellulose 40.00% Min. Wool	50,00% Non-fibrous (other)	None Detected
77655-0008		White/Brown/Plnk Fibrous Heterogeneous	10.00% Callulose 40.00% Mln, Wool	50,00% Non-fibrous (other)	Nane Detected
17556-0009		Brown/White Fibrous Heterogeneous	40.00% Cellulose	60.00% Non-fibrous (other)	None Detected
7655-0010		Brown∕White Fibrous Heterogeneous	40.00% Cellulose	60.00% Non-fibrous (other)	None Detected

Manysti	S
CHARLES THE PARTY OF THE PARTY	(-,

Delores Beard (16)

Stephen Siegel, CIH or other approved signatory

P\_M has been known to miss asbestos in a small percantage of samples which contain expestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none of the story of the >ЦMPointCount-1

Phone: (856) 858-4800 Fax: (856) 858-4960 Email: spiegel@EMSL.com



Attn: Chris Hunsicker Earth Tech

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Latham, NY 12110

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Phone: (518) 951-2200

Project: 83060.02/FREEMAN'S BRIDGE

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040517555

EMSL Prof:

Analysis Date:

9/19/2005

Report Date:

9/19/2005

# Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Nor	Asbestos	
Sample	Location	Appearance	% Fibrous	% Non-Fibrous	% Type
M\$P 1B		Black/Brown/White	80.00% Cellulose	20,00% Non-fibrous (other)	70 / 3 / 40
040517555,0011		Fibrous		actacy (continuous (coner)	None Detected
		Heterogeneous			
MSP 1C		Brawn/White	80.00% Cellulose	20.00% Nan-fibrous (other)	
040517565-0012		Fibrous		(3(10))	None Detected
		Heterogeneous			
\$-18		White/Brown	45.00% Cellulose	20.00% Non-fibrous (other)	
040817655-0013		Fibrous	36.00% Min. Wool	- state is the tible des (origin)	None Detected
400tanananan tanan		Haterogeneous			
\$-1C		White/Brown	45,00% Cellulose	20.00% Non-fibrous (other)	
7517635-0014		Fibrous	35.00% Min, Wool	(action)	None Detected
	***************************************	Heterogeneous			
S-28		White/Brown	45.00% Cellulose	20.00% Non-fibrous (other)	
140517555-0015		Fibrous	35.00% Min. Wool	(and family)	None Detected
		<u>Heterogeneous</u>			
S-2C		White/Brown	45.00% Cellulose	20.00% Non-fibrous (other)	
40\$17555-0016		Fibrous	35.00% Min. Wool	marada (duringial (dulci)	None Detected
		Heterogeneous			

Analyst(s)

Debres Beard (16)

Stephen Slegel, CIH or other approved signatory

The boen known to miss aspestos in a small percentage of samples which contain aspestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none sted should be tested with TEM. The above test report relates only to the Ilbert tested. This report may not be reproduced, except in full, without written approved by EMSL within this report meet the requirements of NELAC unless otherwise noted. Analysis parformed by EMSL Westmont (NVLAP #101048-0), NY ELAP 10872

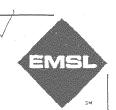
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2

EMSL Analytical, Inc. 107 Haddon Ave., Westmont, NJ 08108

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Attn: Chris Hunsicker Earth Tech

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Latham, NY 12110

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Phone: (518) 951-2200

Project: 83060.02/FREEMAN'S BRIDGE

Customer ID:

Customer PO:

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040517555

**REI50** 

EMSL Proj:

Analysis Date:

9/19/2005

Report Date:

9/19/2005

# Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID  DUP 2 040517855-0017	DESCRIPTION	APPEARANCE Black Non-Fibrous	% MATRIX MATERIAL 100.0	% NON-ASBESTOS FIBERS None	ASBESTOS TYPES Inconclusive: No Asbestos Detected
		Homogeneous			

Analyst(s)

Delores Beard (1)

Stephen Siegel, CIH or other approved signatory

Polarized Light Microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound meterials. Quantitative Transmission Within this report meet the requirements of NELAC unless otherwise noted. EMSL maintains liability limited to cost of analysis. This report reliables only to the samples reported above the membrane of the samples reported by EMSL. The shows test report mission only to the samples reported above. I may not be reproduced, except infull, without written approval by EMSL. The above last report reliable only to the items tested. EMSL bears no responsibility for sample

PUCCEDITATIONS: AIHA \$100192, NVLAP \$101048-0 and MY STATE ELAP #10872

NVS198-2

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107 Haddon Ave., Westmont, NJ 08108

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Attn: Chris Hunsicker

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Project: 83060.02/FREEMAN'S BRIDGE

EMSL Proj:

Received:

Analysis Date:

Customer ID:

Customer PO:

EMSL Order:

Report Date: 9/29/2005

9/20/2005

040517555

RE150

09/13/05 11:22 AM

# Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLEID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	A	SBESTOS TYPES	% TOTAL ASBESTOS
DUP 2		Black	99.7	None	<1	Chrysotile	<1
040517555-0017		Non-Fibrous					
		Homogeneous					

Analyst(s)

Anant Samudra (1)

tyle Sunt

Stephen Siegel, CIH or other approved signatory

This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The test results contained within this report meet the requirements of NELAC unless otherwise noted. ACCREDITATIONS: AIHA #100194, NVLAP #101048-0 and NY STATE ELAP #10872

040517555

F514/Earth, Sci Sample Container Date / Time Date / Time HU 9 Custody Seal-Dracett

Tempos Shipping Container:

Sample Conditions of

Topic Conditions of ANAIY DMbc Chain of Custody Record IN Earth Tech Cooler # Matrix Sample Type Items; Items: Disposed of by: (Signature) Disposed of by: (Signature) 9 9 3 1 Samples delivered in person 4 Pink Copy - Client MA Custody Seal # Check Delivery Method Common carrier Analysis Required Yellow Copy - File 784574 Received IN A Signal (4) W Laka Nambar Received by: " Rending (ninn) Fodleral Express AttrolIT No.: V 0 7 / Comp Date / Time White Copy - Lab Project Name/Client BR2706E y Y ð XX Grab THE Renga 300 셌 MA KKK Date Thro Hunsique A Data indicatouchur Services, Company THE PARTY Sample Description (Field ID Number) Contraction of the Contraction o Relinguished by: (Signature) Z J ر ک U T 20 20 MAN HAND ンプレ (주) |라 7 Send Lab Results To: Project Number of Sample Control Sunt 6 E 303 28P 202 ر د د Rev. 10/98 0 egge Mona. 2 -Phine streets 2 innis Ağı entries Principal 49 Q LLA

107 Haddon Ave., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4960 Email: ssiegel@EMSL.com

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40 British American Boulevard

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Fax:

Phone: (518) 951-2200

Project: 83060.02/FREEMAN'S BRIDGE

Customer ID: REI50

Customer PO:

Received:

09/13/05 11:22 AM

EMSL Order:

040517577

EMSL Proi:

EMSE Proj: Analysis Date:

9/15/2005

Report Date:

10/4/2005

# Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non	-Asbestos	Asbestos
Sample	Location	Appearance	% Fibrous	% Non-Fibrous	% Type
W-1A		Brown/W hite	70.00% Cellulose	30.00% Non-fibrous (other)	None Detected
040517577-0001		Fibrous Heterogeneous			•
W-1B		Brown/White	60.00% Cellulose	40.00% Non-fibrous (other)	None Detected
040517577-0002		Fibrous Heterogeneous			
W-1C	99-1-12/25-009-2-12/25-009-2-12/25-0-12	Brown/White	70.00% Cellulose	30.00% Non-fibrous (other)	None Detected
040517577-0003		Fibrous Heterogeneous			
-2A		White	10.00% Cellulose	85.00% Non-fibrous (other)	None Detected
040517577-0004		Fibrous Heterogeneous	5.00% Glass		
W-2B		White	10.00% Cellulose	85.00% Non-fibrous (other)	None Detected
040517577-0005		Fibrous Heterogeneous	5.00% Glass		
W-2C		White	10.00% Cellulose	85.00% Non-fibrous (other)	None Detected
040517577-0006		Fibrous Heterogeneous	5.00% Glass		
MSA-1A		Brown/White	90.00% Cellulose	10.00% Non-fibrous (other)	None Detected
040517577-0007		Fibrous Heterogeneous			
MSA-1B		Brown/Gray	80.00% Cellulose	20.00% Non-fibrous (other)	None Detected
040517577-0008		Fibrous Heterogeneous			
MSA-1C		Brown/White/Gray	80.00% Cellulose	20.00% Non-fibrous (other)	None Detected
040517577-0009		Fibrous Heterogeneous			
MSA-2A		Brown/Gray	10.00% Celfulose	90.00% Non-fibrous (other)	None Detected
040517577-0010		Fibrous Heterogeneous			

Analyst(s)

Will DiBella (15)

Style Slayed

Stephen Siegel, CIH or other approved signatory

LM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with 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 Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. The test results contained within this report meet the requirements of NELAC unless otherwise noted.

Analysis performed by EMSL Westmont (NVLAP #101048-0), NY ELAP 10872

107 Haddon Ave., Westmont, NJ 98198

Phone: (856) 858-4800 Fax: (856) 858-4960 Email: ssiegel@EMSL.com

Attn: Chris Hunsicker

Earth Tech

40 British American Boulevard

Latham, NY 12110

Fax:

(518) 951-2300

Phone: (518) 951-2200

Project: 83060.02/FREEMAN'S BRIDGE

Customer ID:

Customer PO: Received:

09/13/05 11:22 AM

EMSL Order:

040517577

RE150

EMSL Proj:

Analysis Date:

9/15/2005

Report Date:

10/4/2005

# Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non	-Asbestos	<u>Asbestos</u>
Sample	Location	Appearance	% Fibrous	% Non-Fibrous	% Type
MSA-2B		Brown/White	10.00% Cellulose	90.00% Non-fibrous (other)	None Detected
040517577-0011		Fibrous Heterogeneous			
MSA-2C		Brown/Gray	10.00% Cellulose	90.00% Non-fibrous (other)	None Detected
040517577-0012		Fibrous Heterogeneous			
MSA-3A		Gray/W hite	40.00% Cellulose	40.00% Non-fibrous (other)	None Detected
040517577-0013		Fibrous Heterogeneous	20.00% Min. Wool		
SA-3B		Gray/W hite	40.00% Cellulose	40.00% Non-fibrous (other)	None Detected
u40517577-0014		Fibrous Heterogeneous	20.00% Min. Wool		
MSA-3C		Gray/W hite	40.00% Cellulose	40.00% Non-fibrous (other)	None Detected
040517577-0015		Fibrous Heterogeneous	20.00% Min. Wool		

Analyst(s)	
Will DiBella	(15)

Stephen Siegel, CIH or other approved signatory

...M has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with 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 Analytical, inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. The test results contained within this report meet the requirements of NELAC unless otherwise noted.

Sample Container Date / Time Date / Time Chain of Custody Record Earth Tech Cooler# Temp. of Shipping Container: Laboratory Receiving Notes: Matrix Custody Seal Intact? Sample Condition: Sample Type Items: Items: Disposed of by: (Signature) Disposed of by: (Signature) Samples delivered in person (m) 1-17 Check Delivery Method: Custody Seal Common carrier Analysis Required Received by: (Signature) Received by: (Signature) 781600 (470) Remarks: AnAL2L 64 Po50 コ 野い Number Label Reading (mdd) Federal-Express Airbill No.: Lab: はとのいった Date/Time Date / Time Comp Grab Time Date Project Name/Client FACILIZABLE negog neltos O A Tyca Infrastructure Services Company Relinquished, by, (Signature) Sample Custodian: (Signature) Relinquished by: (Signature) Sample Description (Field ID Number) 7 100 Send Lab Results To: Tolk. ÇO C (C) 16.0.02 せいしら Project Number *~* 大いこ 11 5 10 Ţ でいて 7

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Item No.

Rev. 10/98

White Copy - Lab

Yellow Copy - File

Pink Copy - Client

F514/Earth.Sci

107 Haddon Ave., Westmont, NJ 08108

Phone: (856) 852-4800 Fax: (855) 858-4966 Email: <u>ssiege@EMSL.com</u>

Attn: Chris Hunsicker
Earth Tech

40 British American Boulevard Latham, NY 12110

Fax:

(518) 951-2300

Phone: (518) 951-2200

Project: 83060.02/FREEMAN'S BRIDGE

Customer ID:

ID: REI50

Customer PO: Received:

09/13/05 11:22 AM

EMSL Order:

040517574

EMSL Proi:

Analysis Date:

9/15/2005

Report Date:

10/4/2005

# Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non	-Asbestos	Asbestos	
Sample	Location	Appearance	% Fibrous	% Non-Fibrous	% Type	
0BS-2A	Brown/W hite 10.00% Cellulose 85.00% Non-fibrous (other		85.00% Non-fibrous (other)	None Detected		
040517574-0001		Fibrous	5.00% Glass		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
***************************************		Heterogeneous				
0BS-2B		Brown/White	10.00% Cellulose	85.00% Non-fibrous (other)	None Detected	
040517574-0002		Fibrous Heterogeneous	5.00% Glass			
0BS-2C		Brown/White	10.00% Cellulose	85.00% Non-fibrous (other)	None Detected	
040517574-0003		Fibrous Heterogeneous	5.00% Glass		Mone Detected	
JS-5A		Brown/Gray/White	40.00% Celfulose	20.00% Non-fibrous (other)	None Detected	
040517574-0004		Fibrous	40.00% Min. Wool		y v may to may make may no may mad to be had had	
		Heterogeneous				
0BS-5B		Brown/Gray/White	40.00% Cellulose	20.00% Non-fibrous (other)	None Detected	
040517574-0005		Fibrous Heterogeneous	40.00% Min. Wool			
0BS-5C		Brown/Gray/White	40.00% Cellulose	20.00% Non-fibrous (other)	None Detected	
040517574-0006		Fibrous Heterogeneous	40.00% Min. Wool			
0BS-6A		Brown/Gray/White	40.00% Cellulose	20.00% Non-fibrous (other)	None Detected	
040517574-0007		Fibrous Heterogeneous	40.00% Min. Wool			
0BS-6B		Brown/Gray/White	40.00% Cellulose	20.00% Non-fibrous (other)	None Detected	
040517574-0008		Fibrous Heterogeneous	40.00% Min. Wool			
OBS-6C		Brown/Gray/White	40.00% Cellulose	20.00% Non-fibrous (other)	None Detected	
040517574-0009		Fibrous Heterogeneous	40.00% Min. Wool			
08S-7A		Black/Tan		100.00% Non-fibrous (other)	None Detected	
040517574-0010		Non-Fibrous			to a control of the second of the second of the second	
		Heterogeneous				

Anai	ys	t(s	)

Will DiBella (12)

Style Sign

Stephen Siegel, CIH or other approved signatory

LM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with 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 Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. The test results contained within this report meet the requirements of NELAC unless otherwise noted.

Analysis performed by EMSL Westmont (NVLAP #101048-0), NY ELAP 10872

PLMPointCount-1

-

197 Haddon Ave., Westmont, NJ 98188

Fax: (856) 858-4969 Email: 3sien#I@EMSL.com

Attn: Chris Hunsicker

Earth Tech

40 British American Boulevard

Latham, NY 12110

Project: 83060.02/FREEMAN'S BRIDGE

(518) 951-2300

Phone: (518) 951-2200

EMSL Proj:

Analysis Date:

Customer ID:

Customer PO:

EMSL Order:

Received:

9/15/2005

RE150

09/13/05 11:22 AM 040517574

Report Date:

10/4/2005

## Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non-Asbestos			<u>Asbestos</u>	
Sample	Location	Appearance	ª/œ	Fibrous	% Non-Fibrous	% Type	
08S-7B		Black/Tan/White			100.00% Non-fibrous (other)	None Detected	
040517574-0011		Non-Fibrous Heterogeneous				î	
08S-7C		Black/Tan/White			100.00% Non-fibrous (other)	None Detected	
040517574-0012		Non-Fibrous					
		Heterogeneous	,				

Analyst(s)

Will DiBella (12)

Stephen Siegel, CIH

or other approved signatory

LM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with 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 Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. The test results contained within this report meet the requirements of NELAC unless otherwise noted.

F514/Earth, Sci Sample Container 6 Date / Time Date / Time NE BAL Chain of Custody Record ΔΙΔ Earth Tech Cooler # Temp, of Shipping Container. aboratory Receiving Notes: Matrix Sam (De Cordition) Sample Type IT SEI Custody Seal Intact? 間11:22 MESTAGNT, EMSL EMSL BECEIVE (Cupic) (ems: Y LO LI GOT Disposed of by: (Signature) Disposed of by: (Signature) 33.3.2.2.3 श्रीतितः स्थापन 2 Samples delivered in person Pink Copy - Client Custody Seal # het Delivery Method: Common carrier Analysis Required Yellow Copy - File Received by: ( With the) Received by - (Signature) Number Label Rending (bbm) 12/05 / 1400 Comp Date / Time While Copy - Lab Project Name/Client DRIDGE dri D Time Tan-0 Send Lab Results To: 女园 土豆状 Sample Custodian: (Signature) Sample Description (Field ID Number) Refinquished by: (Signature) Reginalfixteesthy Committee 085-2A 035 57A 035-20 035 - 2C J 9 0 ل و 77 Project Number 830 80.07 t-cc が 0 28.5 ORS 36 30 I Rev. 10.98 MIL. Cin о Т .01 C 64°; 4 20 0 £~ (AP')

107 Haddon Ave., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4960 Email: ssiegel@EMSL.com

Attn: Chris Hunsicker

Earth Tech

40 British American Boulevard

Latham, NY 12110

Fax:

(518) 951-2300

Project: 83060.02/FREEMAN'S BRIDGE

Phone: (518) 951-2200

EMSL Proj:

EMSL Order:

Customer ID:

Customer PO:

Received:

Analysis Date:

9/19/2005

REI50

09/13/05 11:22 AM

Report Date:

10/4/2005

040517568

# Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non-	<u>Asbestos</u>	
Sample	Location	Appearance	% Fibrous	% Non-Fibrous	% Type
S-3B		W hite/Brown	90.00% Cellulose	10.00% Non-fibrous (other)	None Detected
040517568-0001		Fibrous			•
		Heterogeneous			

Analyst(s)

Delores Beard (1)

Stephen Siegel, CIH or other approved signatory

LM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with 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 Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. The test results contained within this report meet the requirements of NELAC unless otherwise noted.

Analysis performed by EMSL Westmont (NVLAP #101048-0), NY ELAP 10872

Chain of Custody Record

187 Mahaman Res. Messenvel (n. 1861)

Moreover, Bessel, Edwards ුමායක් රමුවට විවරයම්මට මහාත්ව <u>දුදුදුරුවුමුම්ලිව්වම් යුතුරු</u>

Attn: Chris Hunsicker

Earth Tech

40 British American Boulevard

Latham, NY 12110

Project: 83060.02 FREEMAN'S BRIDGE

Customer ID:

RE150

Customer PO: Received:

09/13/05 11:24 AM

EMSL Order:

040517544

(518) 951-2300

Phone: (518) 951-2200

EMSL Proi: Analysis Date:

9/19/2005

Report Date:

9/19/2005

# Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLEID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
RMOB-1A		Black	100.0	None	Inconclusive: No Asbestos Detected
040517544-0001		Non-Fibrous			
		Homogeneous			
RMOB-1B		Black	100.0	None	Inconclusive: No Asbestos Detected
040517544-0002		Non-Fibrous			
		Homogeneous			
RMOB-1C		Black	100.0	None	Inconclusive: No Asbestos Detected
040517544-0003		Non-Fibrous			
		Homogeneous			
'10B-2A		Black	100.0	None	Inconclusive: No Asbestos Detected
.)517544-0004		Non-Fibrous			
		Homogeneous			
RMOB-2B		Black	100.0	None	Inconclusive: No Asbestos Detected
040517544-0005		Non-Fibrous			
		Homogeneous			
RMM-1A		Black	100.0	None	Inconclusive: No Asbestos Detected
040517544-0006		Non-Fibrous			
		Homogeneous			
RMM-1B		Black	100.0	None	Inconclusive: No Asbestos Detected
040517544-0007		Non-Fibrous			
Management of the Control of the Con		Homogeneous			
RMM-1C		Black	100.0	None	Inconclusive: No Asbestos Detected
040517544-0008		Non-Fibrous			
		Homogeneous			

Analyst(s)	
Delores Beard (8)	Stephen Siegel, CIH
, ,	or other approved signatory

\*Polarized Light Microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. The test results contained within this report meet the requirements of NELAC unless otherwise noted EMSL maintains liability fimited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except infull, without written approval by EMSL. The above test report relates onlyto the items tested. EMSL bears no responsibility for sample collectionactivities or analytical method imitations.

ACCREDITATIONS: AIHA #100192, NVLAP #101048-0 and NY STATE ELAP #10872

107 Haddon Ave., Westmont, NJ 08108

Fax: (856) 858-4960 Email: ssiegel@EMSL.com Phone: (856) 858-4800

Attn: Chris Hunsicker

Earth Tech

40 British American Boulevard

Latham. NY 12110

(518) 951-2300

Fax:

Phone: (518) 951-2200

Project: 83060.02 FREEMAN'S BRIDGE

Customer ID:

Customer PO: Received:

09/13/05 11:24 AM

EMSL Order:

040517544

RE150

EMSL Proj:

Analysis Date:

9/20/2005

Report Date:

9/29/2005

# Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLEID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	Α:	SBESTOS TYPES	% TOTAL ASBESTOS
RMOB-1A		Black	100.0	None		No Asbes	stos Detected
		Non-Fibrous					
040517544-0001		Homogeneous					
RMOB-1B		Black	99.4	None	<1	Chrysotile	<1
		Non-Fibrous					
040517544-0002		Homogeneous			and the second s		
RMOB-1C		Black	100.0	None		No Asbes	stos Detected
040517544-0003		Non-Fibrous					
040517544-0003		Homogeneous					
.MOB-2A		Black	99.3	None	<1	Chrysotile	<1
040517544-0004		Non-Fibrous					
040377344-0004		Homogeneous				4: 8:	L Datastad
RMOB-2B		Black	100.0	None		No Asbe	stos Detected
040517544-0005		Non-Fibrous					
0400770770000		Homogeneous				Al- A-lea	stos Detected
RMM-1A		Black	100.0	None		NO ASDE	2102 Detected
040517544-0006		Non-Fibrous					
0.001,01.0000		Homogeneous				مطب ۸ ساخ	stos Detected
RMM-1B		Black	100.0	None		NO ASDE	SIOS Delected
040517544-0007		Non-Fibrous					
*		Homogeneous				No Acho	estos Detected
RMM-1C		Black	100.0	None		140 W2DE	Sim Detering
040517544-0008		Non-Fibrous					
		Homogeneous					

Anah	vst(s)
5 11 1000	,

Anant Samudra (8)

Stephen Siegel, CIH or other approved signatory

This laboratory is not responsible for % aspestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, inc. The test results contained within this report meet the requirements of NELAC unless otherwise noted. ACCREDITATIONS: AIHA #100194, NVLAP #101048-0 and NY STATE ELAP #10872

F514/Earth, Sci Sample Container Date / Time Date / Time VC. OHOSIF544 Chaim of Custody Record RETSO Earth Tech Cooler# Temphof Stapping Container. Laboratory Receiving Notes: Matrix Custody Seaf Intact? Sample Type Sardule Condition WESTWON EMELY 13 items; frems: Disposed of by: (Signature) Disposed of by: (Signature) 2000 Samples delivered in person Common carrier 7 9 0 Pink Copy - Client Custody Seal # " to leak Delivery Method: Required Yellow Copy - File Analysis 1 - 15 Received by: (Sigherup) Received by: (Signature) Number Label Reading (mdd) edieral Express Attroll No. Project Name/Client 12/cs/ /ime dwo Date / Time White Copy - Lab Crap Time 非 Send Lab Results To: CHAIS HAWEZHEEN を引きるの Sample Grant Han: 12 Brance Sample Description (Field ID Number) Country of the same Medinquinhadby; (Signature) 지 지 지 지 47 92060102 Arek! Spr 20 13 T T T Project Number RM4B Rev. 10/98 œ چانچا مانتسر 4000 - inter-9 70 .... ~~ Ç, 2 Personal Personal

# APPENDIX B

Credentials

# STATE OF NEW YORK - DEPARTMENT OF LABOR ASBESTOS CERTIFICATE



PATRICE M POOLE
CLASS
D INSPECTOR

CEHT# 05-05628 EXPIRES 04/06

MUST BE CARRIED ON ASBESTOS PROJECTS

# 

DMV# 590990642 EYES BRO HAIR BLK HGT 5' 05" IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161 BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

# DIVISION OF SAFETY AND HEALTH

License and Certificate Unit
BUILDING 12, STATE CAMPUS

ALBANY, NY 12240 ASBESTOS HANDLING LICENSE

RESTRICTED LICENSE

Asbestos Removal Not ASBESTOS HANDLING LICENSE
Permitted

Contractor: EARTH TECH, INC. DBA EARTH TECH NORTHEAST, INC.

40 BRITISH AMERICAN BLVD. LATHAM, NY 12110

DATE OF ISSUE: 6 /1 /2005

EXPIRATION DATE: 6/30/2006

Duly Authorized Representative: Thomas J. Cascino, P.E.

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 This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of in the conduct of any job involving asbestos or asbestos material

State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department 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. This license verifies that all persons employed by the licensee on an asbestos project in New York of Labor.

SH 432 (6-03)

Anthony Germano, Director FOR THE COMMISSIONER OF LABOR