



**VILLAGE OF HASTINGS-ON-HUDSON**

Municipal Building  
7 Maple Avenue  
Hastings-on-Hudson, New York 10706  
Mary Beth Murphy, Village Manager  
[villagemanager@Hastingsgov.org](mailto:villagemanager@Hastingsgov.org)  
914 478 3420

**Request for Proposals Roof Replacement (Phase 3) for Village Hall in the Village of  
Hastings-on-Hudson**

**Addendum No. 2  
November 30, 2022**

**Village Hall Roof Asbestos Report**

Please see the attached asbestos report issued to the Village of Hastings-on-Hudson regarding the Roof.



March 17, 2022

Katie Foster, AIA  
Senior Associate  
Easton Architects, LLP  
20 West 44th Street, Suite 604  
New York, NY 10036

**RE Asbestos Investigative Survey Report – Roof and Exterior Restoration  
Village Hall, 7 Maple Avenue, Hastings-on-Hudson, NY**

Dear Ms. Foster:

Advanced Environmental Corp. (AEC) performed an asbestos investigative survey of the roof and window areas at the Village Hall, 7 Maple Avenue, Hastings-on-Hudson, NY. The inspection was performed on March 15, 2022. The purpose of the survey was to identify and sample accessible suspect asbestos containing materials (ACM) that are present and will be impacted by roof and window restoration work.

The inspector who performed the fieldwork, Edward Namath is certified as a US-EPA AHERA asbestos inspector, New York State Department of Health Licensed Asbestos Inspector (#92-00160 exp. 09/22), and New York City Department of Environmental Protection Certified Asbestos Investigator (#115329 exp. 9/27/23)

Please note that the training of the personnel, collection of the samples, and analysis performed to determine the presence of asbestos containing materials was performed in accordance with EPA 40 CFR Part 763.

**Asbestos Survey**

Accessible suspect Asbestos Containing Materials (ACM) present in each building were identified and sampled. Materials that were obviously composed completely of fiberglass, cork, wood, metal, or rubber, were not sampled. Homogeneous sampling areas of each suspect ACM identified were based on color, texture and function. This ensured a enough samples were collected to determine that the materials are non asbestos-containing.

The following suspect materials were identified:

- Felt Paper- Main Roof Beneath Gravel
- Roof Membrane - Main Roof on Concrete Deck
- Flashing Membrane - Main Roof (top layer)
- Flashing Tar - Main Roof (bottom layer)
- White Roof Membrane - Main Roof Patch at Southwest
- Tar - Main Roof Bulkhead, Skylight, HVAC Bulkhead
- Coping Stone Caulk - Main Roof
- Roof Membrane - Portico Roof
- Window Caulk



Bulk samples were packaged and hand delivered to AmeriSci New York (AmeriSci) in New York, NY. AmeriSci is a National Voluntary Laboratory Accreditation Program (NVLAP) Accredited Laboratory (NVLAP #200546-0) for Bulk Fiber Analysis. Their NYS ELAP number is 11480.

Samples of the accessible suspect materials were submitted to AmeriSci to be analyzed for asbestos content in accordance with EPA Reg. 40 CFR Part 763. Twenty-(27) samples were submitted to be analyzed utilizing the Environmental Protection Agency (EPA) recommended Polarized Light Microscopy - Dispersion Staining (PLM/DS). The lab was instructed to stop at the first positive result resulting in a total of twenty-five (25) samples being analyzed. The PLM results can be found in the attached appendix A.

The NYS-DOH requires that non-friable organically bound (NOB) materials (i.e. floor tiles, mastics, roofing, cellulose ceiling tiles) that do not show positive asbestos content by PLM must be further analyzed by ELAP item No. 198.4 protocol for Transmission Electron Microscopy (TEM) before they can be accepted as non-asbestos material. Nineteen (19) samples of roof membranes, caulks and tars were further analyzed via TEM. The TEM results can be found in the attached appendix A.

### **Limitations and Exceptions of Survey**

Inaccessible building areas are systems, structural components, or surfaces which could not be observed because: it was unsafe or impractical to disassemble or remove systems or covering; a human being cannot physically enter or observe the area or component; or we were denied access to an area or space. Typical inaccessible areas include inside ductwork or air handling units which could not physically be entered or be disassembled; any areas behind solid walls (chases) or above solid plaster and sheetrock ceilings which had no openings, beneath wood, stone or concrete flooring and inside bathroom pipe chases.

Although AEC uses trained and certified inspectors in attempting to locate and identify material potentially containing asbestos, AEC does not warrant that all asbestos containing materials have been identified. It is possible that additional materials containing asbestos were not found because they were not visible or accessible to the surveyor. Moreover, it is possible that the actual quantities of materials containing asbestos, which can be determined during the detailed design of a removal project, may differ from the quantities of materials estimated during the survey.

### **Summary of Findings**

The following materials collected on tested ***negative or trace (<1%)*** for asbestos:

- Felt Paper- Main Roof Beneath Gravel
- Roof Membrane - Main Roof on Concrete Deck
- Flashing Membrane - Main Roof (top layer)
- White Roof Membrane - Main Roof Patch at Southwest
- Tar - Main Roof Bulkhead, Skylight, HVAC Bulkhead
- Coping Stone Caulk - Main Roof
- Window Caulk



The following suspect materials tested *positive* (> 1%) for asbestos:

CONFIRMED ASBESTOS CONTAINING MATERIALS		
<u>Location</u>	<u>Material</u>	<u>Estimated Quantity</u>
Main Roof	Flashing Tar (bottom layer)	495 SF ±
Portico Roof	Roof Membrane Flashing Tar	550 SF ± 55 SF ±

See attached sketch for approximate locations.

Federal, State and local law requires removal of the material identified only if it will be impacted and/or disturbed by the planned renovation and/or demolition. All such work should be executed in accordance with all applicable Federal (EPA, OSHA), New York State Department of Labor (NYS-DOL) and New York City Department of Environmental Protection (NYC-DEP) regulations.

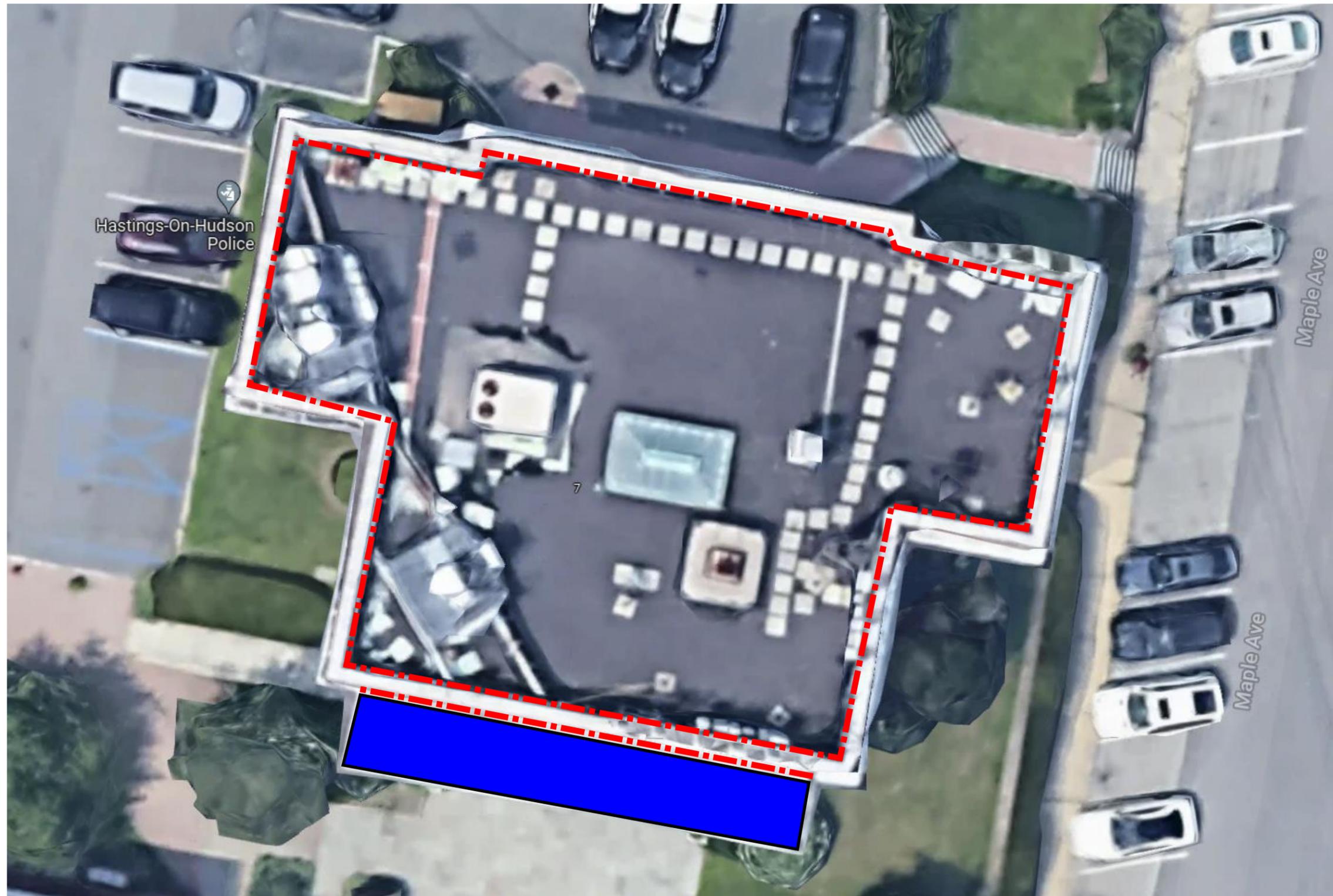
If you should require any additional information or assistance, please contact us at 212-545-1855.

Sincerely,

Edward Namath  
Principal

2934.013 s:\clients\easton architects, llp\hastings-on-hudson village hall and library\7 maple avenue, village hall, hastings on hudson - ais.doc

Advanced Environmental Corp.  
355 Lexington Avenue, Suite 404  
New York, NY 10017  
212-545-1855



Legend

- ACM Flashing
- ACM Roofing

Easton Architects, LLP  
Village Hall  
7 Maple Street  
Hastings-on Hudson, NY  
ACM Location Plan  
03/17/22  
nts



## **Appendix A**

### **PLM & TEM NOB Bulk Sample Results**



## PLM Bulk Asbestos Report

Advanced Environmental Corp.  
Attn: Robert Puorro  
355 Lexington Avenue  
4th Floor  
New York, NY 10017

**Date Received** 03/16/22      **AmeriSci Job #** 222032381  
**Date Examined** 03/16/22      **P.O. #**  
**ELAP #** 11480      **Page** 1 of 5  
**RE:** 2943.013; Easton Architects, LLP; Village Hall - 7 Maple  
Avenue, Hastings-On-Hudson, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
031522EN-01 1	222032381-01 <b>Location:</b> Main Roof Beneath Gravel Probe 2 - Felt Paper	<b>No</b>	NAD (by NYS ELAP 198.1) by Kensen Caro on 03/16/22
<b>Analyst Description:</b> Black, Homogeneous, Fibrous, Bulk Material			
<b>Asbestos Types:</b>			
<b>Other Material:</b> Synthetic fibers 90%, Non-fibrous 10%			
031522EN-02 1	222032381-02 <b>Location:</b> Main Roof Beneath Gravel Probe 1 - Felt Paper	<b>No</b>	NAD (by NYS ELAP 198.1) by Kensen Caro on 03/16/22
<b>Analyst Description:</b> Black, Homogeneous, Fibrous, Bulk Material			
<b>Asbestos Types:</b>			
<b>Other Material:</b> Synthetic fibers 90%, Non-fibrous 10%			
031522EN-03 1	222032381-03 <b>Location:</b> Main Roof Beneath Gravel Probe 4 - Felt Paper	<b>No</b>	NAD (by NYS ELAP 198.1) by Kensen Caro on 03/16/22
<b>Analyst Description:</b> Black, Homogeneous, Fibrous, Bulk Material			
<b>Asbestos Types:</b>			
<b>Other Material:</b> Synthetic fibers 90%, Non-fibrous 10%			
031522EN-04 2	222032381-04 <b>Location:</b> Main Roof On Deck Probe 2 - Roof Membrane	<b>No</b>	NAD (by NYS ELAP 198.6) by Kensen Caro on 03/16/22
<b>Analyst Description:</b> Black, Homogeneous, Non-Fibrous, Bulk Material			
<b>Asbestos Types:</b>			
<b>Other Material:</b> Non-fibrous 5.5%			
031522EN-05 2	222032381-05 <b>Location:</b> Main Roof On Deck Probe 1 - Roof Membrane	<b>No</b>	NAD (by NYS ELAP 198.6) by Kensen Caro on 03/16/22
<b>Analyst Description:</b> Black, Homogeneous, Non-Fibrous, Bulk Material			
<b>Asbestos Types:</b>			
<b>Other Material:</b> Non-fibrous 5%			

Client Name: Advanced Environmental Corp.

**PLM Bulk Asbestos Report**

2943.013; Easton Architects, LLP; Village Hall - 7 Maple Avenue, Hastings-On-Hudson, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
031522EN-06 2	222032381-06 <b>Location:</b> Main Roof On Deck Probe 4 - Roof Membrane	<b>No</b>	NAD (by NYS ELAP 198.6) by Kensen Caro on 03/16/22
<b>Analyst Description:</b> Black, Homogeneous, Non-Fibrous, Bulk Material			
<b>Asbestos Types:</b>			
<b>Other Material:</b> Non-fibrous 8%			
031522EN-07 3	222032381-07 <b>Location:</b> Main Roof On Deck Probe 2 (Top Layer) - Flashing Membrane	<b>No</b>	NAD (by NYS ELAP 198.6) by Kensen Caro on 03/16/22
<b>Analyst Description:</b> Black, Homogeneous, Non-Fibrous, Bulk Material			
<b>Asbestos Types:</b>			
<b>Other Material:</b> Non-fibrous 6.5%			
031522EN-08 3	222032381-08 <b>Location:</b> Main Roof On Deck Probe 1 (Top Layer) - Flashing Membrane	<b>No</b>	NAD (by NYS ELAP 198.6) by Kensen Caro on 03/16/22
<b>Analyst Description:</b> Black, Homogeneous, Non-Fibrous, Bulk Material			
<b>Asbestos Types:</b>			
<b>Other Material:</b> Non-fibrous 21.2%			
031522EN-09 3	222032381-09 <b>Location:</b> Main Roof On Deck Probe 4 (Top Layer) - Flashing Membrane	<b>No</b>	NAD (by NYS ELAP 198.6) by Kensen Caro on 03/16/22
<b>Analyst Description:</b> Black, Homogeneous, Non-Fibrous, Bulk Material			
<b>Asbestos Types:</b>			
<b>Other Material:</b> Non-fibrous 0.8%			
031522EN-10 4	222032381-10 <b>Location:</b> Main Roof On Deck Probe 2 (Bottom Layer) - Flashing Tar	<b>Yes</b>	3.4% (by NYS ELAP 198.6) by Kensen Caro on 03/16/22
<b>Analyst Description:</b> Black, Homogeneous, Non-Fibrous, Bulk Material			
<b>Asbestos Types:</b> Chrysotile 3.4 %			
<b>Other Material:</b> Non-fibrous 18.1%			
031522EN-11 4	222032381-11 <b>Location:</b> Main Roof On Deck Probe 1 (Bottom Layer) - Flashing Tar		NA/PS
<b>Analyst Description:</b> Bulk Material			
<b>Asbestos Types:</b>			
<b>Other Material:</b>			

Client Name: Advanced Environmental Corp.

**PLM Bulk Asbestos Report**

2943.013; Easton Architects, LLP; Village Hall - 7 Maple Avenue, Hastings-On-Hudson, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
031522EN-12 4	222032381-12 <b>Location:</b> Main Roof On Deck Probe 4 (Bottom Layer) - Flashing Tar		NA/PS
<b>Analyst Description:</b> Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b>			
031522EN-13 5	222032381-13 <b>Location:</b> Main Roof Patch At Southwest - White Roof Membrane	<b>No</b>	NAD (by NYS ELAP 198.6) by Kensen Caro on 03/16/22
<b>Analyst Description:</b> Black, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 21.3%			
031522EN-14 5	222032381-14 <b>Location:</b> Main Roof Patch At Southwest - White Roof Membrane	<b>No</b>	NAD (by NYS ELAP 198.6) by Kensen Caro on 03/16/22
<b>Analyst Description:</b> White, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 18.1%			
031522EN-15 5	222032381-15 <b>Location:</b> Main Roof Patch At Southwest - White Roof Membrane	<b>No</b>	NAD (by NYS ELAP 198.6) by Kensen Caro on 03/16/22
<b>Analyst Description:</b> White, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 30.4%			
031522EN-16 6	222032381-16 <b>Location:</b> Main Roof Bulkhead - Tar	<b>No</b>	NAD (by NYS ELAP 198.6) by Kensen Caro on 03/16/22
<b>Analyst Description:</b> Black, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 9.7%			
031522EN-17 6	222032381-17 <b>Location:</b> Main Roof Skylight - Tar	<b>No</b>	NAD (by NYS ELAP 198.6) by Kensen Caro on 03/16/22
<b>Analyst Description:</b> Black, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 33.3%			

Client Name: Advanced Environmental Corp.

**PLM Bulk Asbestos Report**

2943.013; Easton Architects, LLP; Village Hall - 7 Maple Avenue, Hastings-On-Hudson, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
031522EN-18 6	222032381-18 <b>Location:</b> Main Roof HVAC Bulkhead - Tar	<b>No</b>	NAD (by NYS ELAP 198.6) by Kensen Caro on 03/16/22
<b>Analyst Description:</b> Black, Homogeneous, Non-Fibrous, Bulk Material			
<b>Asbestos Types:</b>			
<b>Other Material:</b> Non-fibrous 8.7%			
031522EN-19 7	222032381-19 <b>Location:</b> Main Roof South - Coping Stone Caulk	<b>No</b>	NAD (by NYS ELAP 198.6) by Kensen Caro on 03/16/22
<b>Analyst Description:</b> Gray, Homogeneous, Non-Fibrous, Bulk Material			
<b>Asbestos Types:</b>			
<b>Other Material:</b> Non-fibrous 9.3%			
031522EN-20 7	222032381-20 <b>Location:</b> Main Roof East - Coping Stone Caulk	<b>No</b>	NAD (by NYS ELAP 198.6) by Kensen Caro on 03/16/22
<b>Analyst Description:</b> Gray, Homogeneous, Non-Fibrous, Bulk Material			
<b>Asbestos Types:</b>			
<b>Other Material:</b> Non-fibrous 5.2%			
031522EN-21 7	222032381-21 <b>Location:</b> Main Roof North - Coping Stone Caulk	<b>No</b>	NAD (by NYS ELAP 198.6) by Kensen Caro on 03/16/22
<b>Analyst Description:</b> Gray, Homogeneous, Non-Fibrous, Bulk Material			
<b>Asbestos Types:</b>			
<b>Other Material:</b> Non-fibrous 8.2%			
031522EN-22 8	222032381-22 <b>Location:</b> Portico Roof Probe 5 - Roof Membrane	<b>No</b>	NAD (by NYS ELAP 198.6) by Kensen Caro on 03/16/22
<b>Analyst Description:</b> Black, Homogeneous, Non-Fibrous, Bulk Material			
<b>Asbestos Types:</b>			
<b>Other Material:</b> Non-fibrous 4.3%			
031522EN-23 8	222032381-23 <b>Location:</b> Portico Roof Probe 5 - Roof Membrane	<b>No</b>	NAD (by NYS ELAP 198.6) by Kensen Caro on 03/16/22
<b>Analyst Description:</b> Black, Homogeneous, Non-Fibrous, Bulk Material			
<b>Asbestos Types:</b>			
<b>Other Material:</b> Non-fibrous 4.1%			

Client Name: Advanced Environmental Corp.

# PLM Bulk Asbestos Report

2943.013; Easton Architects, LLP; Village Hall - 7 Maple Avenue, Hastings-On-Hudson, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
031522EN-24 8	222032381-24 <b>Location:</b> Portico Roof Probe 5 - Roof Membrane	<b>Yes</b>	5.8% (by NYS ELAP 198.6) by Kensen Caro on 03/16/22
<b>Analyst Description:</b> Black, Homogeneous, Non-Fibrous, Bulk Material			
<b>Asbestos Types:</b> Chrysotile 5.8 %			
<b>Other Material:</b> Non-fibrous 43.2%			
031522EN-25 9	222032381-25 <b>Location:</b> 2nd Floor - Window Caulk	<b>No</b>	NAD (by NYS ELAP 198.6) by Kensen Caro on 03/16/22
<b>Analyst Description:</b> White, Homogeneous, Non-Fibrous, Bulk Material			
<b>Asbestos Types:</b>			
<b>Other Material:</b> Non-fibrous 32.7%			
031522EN-26 9	222032381-26 <b>Location:</b> 2nd Floor - Window Caulk	<b>No</b>	NAD (by NYS ELAP 198.6) by Kensen Caro on 03/16/22
<b>Analyst Description:</b> White, Homogeneous, Non-Fibrous, Bulk Material			
<b>Asbestos Types:</b>			
<b>Other Material:</b> Non-fibrous 15.7%			
031522EN-27 9	222032381-27 <b>Location:</b> 1st Floor - Window Caulk	<b>No</b>	NAD (by NYS ELAP 198.6) by Kensen Caro on 03/16/22
<b>Analyst Description:</b> White, Homogeneous, Non-Fibrous, Bulk Material			
<b>Asbestos Types:</b>			
<b>Other Material:</b> Non-fibrous 14.8%			

**Reporting Notes:**

Analyzed by: Kensen Caro  
Date: 3/16/2022



Reviewed by: Paul J. Mucha



\*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop, (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis using Olympus, Model BH-2 Pol Scope, Microscope, Serial #: 229003, by Appd E to Subpt E, 40 CFR 763 quantified by either CVES or 400 pt ct as noted for each analysis (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite, or ELAP 198.6 for NOB samples, or EPA 400 pt ct by EPA 600-M4-82-020 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054, NJ Lab ID #NY031.

Client Name: Advanced Environmental Corp.

**Table I**  
**Summary of Bulk Asbestos Analysis Results**

2943.013; Easton Architects, LLP; Village Hall - 7 Maple Avenue, Hastings-On-Hudson, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	031522EN-01	1	----	----	----	----	NAD	NA
	Location: Main Roof Beneath Gravel Probe 2 - Felt Paper							
02	031522EN-02	1	----	----	----	----	NAD	NA
	Location: Main Roof Beneath Gravel Probe 1 - Felt Paper							
03	031522EN-03	1	----	----	----	----	NAD	NA
	Location: Main Roof Beneath Gravel Probe 4 - Felt Paper							
04	031522EN-04	2	0.213	87.0	7.5	5.5	NAD	NAD
	Location: Main Roof On Deck Probe 2 - Roof Membrane							
05	031522EN-05	2	0.438	94.0	1.0	5.0	NAD	NAD
	Location: Main Roof On Deck Probe 1 - Roof Membrane							
06	031522EN-06	2	0.449	74.9	17.2	8.0	NAD	NAD
	Location: Main Roof On Deck Probe 4 - Roof Membrane							
07	031522EN-07	3	0.239	90.9	2.6	6.5	NAD	NAD
	Location: Main Roof On Deck Probe 2 (Top Layer) - Flashing Membrane							
08	031522EN-08	3	0.337	56.9	21.9	21.2	NAD	NAD
	Location: Main Roof On Deck Probe 1 (Top Layer) - Flashing Membrane							
09	031522EN-09	3	0.217	92.8	6.4	0.8	NAD	NAD
	Location: Main Roof On Deck Probe 4 (Top Layer) - Flashing Membrane							
10	031522EN-10	4	0.346	70.0	8.5	18.1	Chrysotile 3.4	NA
	Location: Main Roof On Deck Probe 2 (Bottom Layer) - Flashing Tar							
11	031522EN-11	4	0.335	96.7	1.7	1.6	NA/PS	NA
	Location: Main Roof On Deck Probe 1 (Bottom Layer) - Flashing Tar							
12	031522EN-12	4	0.294	95.9	2.2	1.9	NA/PS	NA
	Location: Main Roof On Deck Probe 4 (Bottom Layer) - Flashing Tar							
13	031522EN-13	5	0.141	51.3	27.4	21.3	NAD	NAD
	Location: Main Roof Patch At Southwest - White Roof Membrane							
14	031522EN-14	5	0.226	58.3	23.6	18.1	NAD	NAD
	Location: Main Roof Patch At Southwest - White Roof Membrane							
15	031522EN-15	5	0.203	57.4	12.2	30.4	NAD	NAD
	Location: Main Roof Patch At Southwest - White Roof Membrane							
16	031522EN-16	6	0.254	53.3	37.0	9.7	NAD	NAD
	Location: Main Roof Bulkhead - Tar							

Client Name: Advanced Environmental Corp.

**Table I**  
**Summary of Bulk Asbestos Analysis Results**

2943.013; Easton Architects, LLP; Village Hall - 7 Maple Avenue, Hastings-On-Hudson, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	031522EN-17	6	0.286	59.7	6.9	33.3	NAD	NAD
	Location: Main Roof Skylight - Tar							
18	031522EN-18	6	0.161	71.0	20.3	8.7	NAD	NAD
	Location: Main Roof HVAC Bulkhead - Tar							
19	031522EN-19	7	0.158	70.1	20.7	9.3	NAD	NAD
	Location: Main Roof South - Coping Stone Caulk							
20	031522EN-20	7	0.142	68.9	25.9	5.2	NAD	NAD
	Location: Main Roof East - Coping Stone Caulk							
21	031522EN-21	7	0.348	90.5	1.3	8.2	NAD	NAD
	Location: Main Roof North - Coping Stone Caulk							
22	031522EN-22	8	0.356	92.4	3.4	4.3	NAD	NA
	Location: Portico Roof Probe 5 - Roof Membrane							
23	031522EN-23	8	0.350	92.9	3.0	4.1	NAD	NA
	Location: Portico Roof Probe 5 - Roof Membrane							
24	031522EN-24	8	0.327	25.5	25.6	43.2	Chrysotile 5.8	NA
	Location: Portico Roof Probe 5 - Roof Membrane							
25	031522EN-25	9	0.169	54.7	12.6	32.5	NAD	Anthophyllite <1.0
	Location: 2nd Floor - Window Caulk							
26	031522EN-26	9	0.271	19.9	64.4	15.5	NAD	Anthophyllite <1.0
	Location: 2nd Floor - Window Caulk							
27	031522EN-27	9	0.190	42.9	42.3	14.8	NAD	NAD
	Location: 1st Floor - Window Caulk							

Client Name: Advanced Environmental Corp.

**Table I**  
**Summary of Bulk Asbestos Analysis Results**

2943.013; Easton Architects, LLP; Village Hall - 7 Maple Avenue, Hastings-On-Hudson, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
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Analyzed by: Paul J. Mucha  
 Date: 3/17/2022



Reviewed by: Paul J. Mucha



\*\*Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by Appd E to Subpt E, 40 CFR 763 or NYSDOH ELAP 198.1 for New York friable samples or NYSDOH ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (or NYSDOH ELAP 198.4; for New York samples). Analysis using Hitachi, Model H7000-Noran 7 System, Microscope, Serial #: 747-05-06. NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses): NVLAP (PLM) 200546-0, NYSDOH ELAP Lab 11480, NJ Lab ID #NY031.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

HA #	Sample Number	Material	Location
1	031522EN-01	Felt Paper	Main Roof - Beneath Gravel - Probe 2
	031522EN-02	Felt Paper	Main Roof - Beneath Gravel - Probe 1
	031522EN-03	Felt Paper	Main Roof - Beneath Gravel - Probe 4
2	031522EN-04	Roof Membrane	Main Roof - On Deck - Probe 2
	031522EN-05	Roof Membrane	Main Roof - On Deck - Probe 1
	031522EN-06	Roof Membrane	Main Roof - On Deck - Probe 4
3	031522EN-07	Flashing Membrane	Main Roof - On Deck - Probe 2 (top layer)
	031522EN-08	Flashing Membrane	Main Roof - On Deck - Probe 1 (top layer)
	031522EN-09	Flashing Membrane	Main Roof - On Deck - Probe 4 (top layer)
4	031522EN-10	Flashing Tar	Main Roof - On Deck - Probe 2 (bottom layer)
	031522EN-11	Flashing Tar	Main Roof - On Deck - Probe 1 (bottom layer)
	031522EN-12	Flashing Tar	Main Roof - On Deck - Probe 4 (bottom layer)
5	031522EN-13	White Roof Membrane	Main Roof Patch at Southwest
	031522EN-14	White Roof Membrane	Main Roof Patch at Southwest
	031522EN-15	White Roof Membrane	Main Roof Patch at Southwest

Sample Type:  PLM  TEM NOB  Other \_\_\_\_\_ Requested Completion Date/Time 3/17/22 7:00 am

Sampled by: Edward Namath -- Total Samples # \_\_\_\_\_ Batch # \_\_\_\_\_

Relinquished by: En Namath Date: 03/16/22 Time: \_\_\_\_\_ Project # 2943.013

Received by: Stephanie Caples Date: 3/16/22 Time: 10:08 Laboratory Name: \_\_\_\_\_

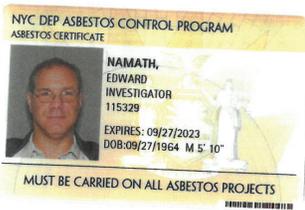
Special Instructions: Stop at first positive

HA #	Sample Number	Material	Location
6	031522EN-16	Tar	Main Roof - Bulkhead
	031522EN-17	Tar	Main Roof - Skylight
	031522EN-18	Tar	Main Roof - HVAC Bulkhead
7	031522EN-19	Coping Stone Caulk	Main Roof - South
	031522EN-20	Coping Stone Caulk	Main Roof - East
	031522EN-21	Coping Stone Caulk	Main Roof - North
8	031522EN-22	Roof Membrane	Portico Roof - Probe 5
	031522EN-23	Roof Membrane	Portico Roof - Probe 5
	031522EN-24	Roof Membrane	Portico Roof - Probe 5
9	031522EN-25	Window Caulk	2 <sup>nd</sup> Floor
	031522EN-26	Window Caulk	2 <sup>nd</sup> Floor
	031522EN-27	Window Caulk	1 <sup>st</sup> Floor

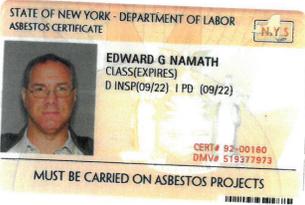
Sample Type:  PLM  TEM NOB  Other \_\_\_\_\_ Requested Completion Date/Time 3/17/22 7:00 am  
 Sampled by: Edward Namath -- Total Samples # \_\_\_\_\_ Batch # \_\_\_\_\_  
 Relinquished by: em Ma Date: 03/16/22 Time: \_\_\_\_\_ Project # 2943.013  
 Received by: Stephanie Capetes Skup Date: 3/16/22 Time: 16:08 Laboratory Name: \_\_\_\_\_  
 Special Instructions: Stop at first positive



**Appendix B**  
**Licenses & Certifications**



DMV ID: 519377973  
 This certificate must be shown to a NYCDEP representative upon request. Report loss immediately to NYCDEP Asbestos Control Program, 8th floor 59-17 Junction Blvd., Flushing, NY 11373



EYES BRO HAIR BRO HGT 5' 10"  
 IF FOUND RETURN TO: NYSOL - L&C UNIT ROOM 161A BUILDING 12 STATE OFFICE CAMPUS ALBANY NY 12240

New York State – Department of Labor  
 Division of Safety and Health  
 License and Certificate Unit  
 State Campus, Building 12  
 Albany, NY 12240

**ASBESTOS HANDLING LICENSE**

Advanced Environmental Corp.  
 Suite 404  
 355 Lexington Avenue  
 New York, NY 10017

FILE NUMBER: 99-0548  
 LICENSE NUMBER: 39326  
 LICENSE CLASS: RESTRICTED  
 DATE OF ISSUE: 07/12/2021  
 EXPIRATION DATE: 07/31/2022

Duly Authorized Representative – Robert Puroro:

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. This license 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.

Amy Phillips, Director  
 For the Commissioner of Labor

SH 432 (8/12)



**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017**

AmeriSci New York  
 117 E. 30th Street  
 New York, NY 10016  
 Mr. Paul Mucha  
 Phone: 212-679-8600 Fax: 212-679-2711  
 Email: pmucha@amerisci.com  
 http://www.amerisci.com

**ASBESTOS FIBER ANALYSIS**

NVLAP LAB CODE 200546-0

**Bulk Asbestos Analysis**

Code	Description
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

**Airborne Asbestos Analysis**

Code	Description
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

For the National Voluntary Laboratory Accreditation Program

United States Department of Commerce  
 National Institute of Standards and Technology



**Certificate of Accreditation to ISO/IEC 17025:2017**

NVLAP LAB CODE: 200546-0  
 AmeriSci New York  
 New York, NY

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

**Asbestos Fiber Analysis**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).



For the National Voluntary Laboratory Accreditation Program

2021-07-01 through 2022-06-30  
 Effective Dates



Department of Health

ANDREW M. CUOMO  
Governor

HOWARD A. ZUCKER, M.D., J.D.  
Commissioner

LISA J. PINO, M.A., J.D.  
Executive Deputy Commissioner

LAB ID: 11480

April 01, 2021

MR. PAUL J. MUCHA  
AMERICA SCIENCE TEAM NEW YORK, INC  
117 EAST 30TH ST  
NEW YORK, NY 10016

Certificate Expiration Date:  
April 01, 2022

Dear Mr. Mucha,

Enclosed are certificate(s) of approval issued to your environmental laboratory for the current permit year. The certificate(s) supersede(s) any previously issued one(s) and is(are) in effect through the expiration date listed. Please carefully examine the certificate(s) to insure that the categories, subcategories, analytes, and methods for which your laboratory is approved are correct. In addition, verify that your laboratory's name, address, lead technical director, and identification number are accurate.

Pursuant to NYCRR Subpart 55-2.2, original certificates must be posted conspicuously in the laboratory and copies shall be made available to any client of the laboratory upon request.

Pursuant to NYCRR Subpart 55-2.6, any misrepresentation of the fields of accreditation (category - method - analyte) for which your laboratory is approved may result in denial, suspension, or revocation of your certification. Any use of the Environmental Laboratory Approval Program (ELAP) or National Environmental Laboratory Accreditation Program (NELAP) name, reference to the laboratory's approval status, and/or using the NELAP logo in any catalogs, advertising, business solicitations, proposals, quotations, laboratory analytical reports, or other materials must include the laboratory's ELAP identification number and distinguish between testing for which the laboratory is approved and testing for which the laboratory is not approved.

If you have any questions, please contact us at the Environmental Laboratory Approval Program, Wadsworth Center, New York State Department of Health, Empire State Plaza, Albany NY, 12237; by phone at (518) 485-5570; by facsimile at (518) 485-5568; and by email at elap@health.ny.gov.

Sincerely,

Victoria Pretti  
Director and QA Officer  
Environmental Laboratory Approval Program

Form 1000 (Rev. 12/10) (Public Health Law § 502)

NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER



Expires 12:01 AM April 01, 2022  
Issued April 01, 2021

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE  
Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. PAUL J. MUCHA  
AMERICA SCIENCE TEAM NEW YORK, INC  
117 EAST 30TH ST  
NEW YORK, NY 10016

NY Lab Id No: 11480

is hereby APPROVED as an Environmental Laboratory in conformance with the  
National Environmental Laboratory Accreditation Conference Standards (2016) for the category  
ENVIRONMENTAL ANALYSES POTABLE WATER  
All approved analytes are listed below:

Miscellaneous

Asbestos EPA 100.2

Serial No.: 62999

Property of the New York State Department of Health. Certificates are valid only at the address shown; must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

Page 1 of 1



NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER



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MR. PAUL J. MUCHA  
AMERICA SCIENCE TEAM NEW YORK, INC  
117 EAST 30TH ST  
NEW YORK, NY 10016

NY Lab Id No: 11480

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 Item 198.1 of Manual  
EPA 600/M4/82/020  
Asbestos in Non-Friable Material-PLM Item 198.6 of Manual (NOB by PLM)  
Asbestos in Non-Friable Material-TEM Item 198.4 of Manual

Serial No.: 63000

Property of the New York State Department of Health. Certificates are valid only at the address shown; must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER



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

MR. PAUL J. MUCHA  
AMERICA SCIENCE TEAM NEW YORK, INC  
117 EAST 30TH ST  
NEW YORK, NY 10016

NY Lab Id No: 11480

is hereby APPROVED as an Environmental Laboratory for the category  
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS  
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos 40 CFR 763 APX A No. III  
YAMATE AGARWAL GIBB  
NIOSH 7402  
Fibers NIOSH 7400 A RULES

Serial No.: 63001

Property of the New York State Department of Health. Certificates are valid only at the address shown; must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.