

January 22, 2014

Greene County EDTP
PO Box 996
Tannersville, N.Y. 12485
Att: Michelle Yost

Re: Certified NYS Asbestos survey
For purpose of demolition to the West single family residence
824 Cauterskill Road
Catskill, Greene County, NY
Tax Map # 155.00-4-8.2
KA # 81513.37.03

Dear Michelle,

The following report is the result of our asbestos survey for the single family residence (mentioned above) required for demolition. As requested, building material samples were taken December 13, 2013 of suspect Asbestos containing material (ACM) as per New York State Industrial Code Rule 56-5.1 Survey Requirements for Building/Structural Demolition, Remodeling and Repair (ICR56) and OSHA Code of Federal Regulations, 40 CFR Ch. 1 (7-1-03 Edition) S763.86, sampling by Michael P. Bliss (see attached NYS Certification Number AH 01-159929). The samples (see attached Bulk Sampling Chain of Custody one page, dated December 13, 2013) were then delivered to Spectrum Environmental Associates December 13, 2013 for purposes of laboratory analysis (see attached PLM Bulk Asbestos Reports three pages and Summary of Bulk Asbestos Analysis Results one page for results).

Although none of the lab results came back positive (contained asbestos with more than 1% asbestos by weight), a **NYS certified asbestos abatement contractor is required** to remove the debris pile prior to demolition of the house. The debris pile is located outside the house (approximately an area 8' x 8' x 1' high, 64 cu.ft.) to the front and right side of the house as you face it from the road. The debris pile consists of suspect ACM interior finishes such as wall and ceiling gypsum board or plaster and flooring material that were removed after Hurricane Irene damaged the house and piled up outside. Because the debris pile consists of mixed material, it cannot be considered homogenous making taking adequate samples impossible because suspect ACM could exist within the pile and the pile cannot be disturbed because it is considered suspect ACM. If during demolition any suspect ACM is observed from within the crawlspace that had only a visual inspection performed from the access opening, the demolition needs to stop immediately and a Certified Asbestos Inspector notified to take additional samples for testing before any further demolition can continue in that area.

Remember to forward this report to the DOL for your demolition permit and also keep a copy of this report at the building during any of the demolition. If you have any questions please call.

Respectfully,

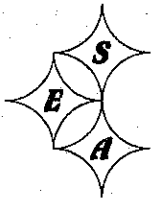
Kaaterskill Associates



Michael P. Bliss, NYS Certified Asbestos Inspector

CC: Darrin Elsom, PE

Encl: Asbestos Inspector Certificate, Inspector Refresher Requirements Certificate, Bulk Sampling Chain of Custody Report, PLM Bulk Asbestos Report, Summary of Bulk Asbestos Analysis Results, Spectrum Environmental Associates Asbestos handling license, and credentials.



SPECTRUM

Environmental Associates, Inc.

'EXCEEDING OUR CLIENTS EXPECTATIONS OF EXCELLENCE'

P. O. Box 1024
Schenectady, NY 12301
(518) 346-6374 (Phone)
(518) 346-4062 (Fax)
www.4spectrum.com

December 19, 2013

Mr. Mike Bliss
Kaaterskill Associates
517 Main Street
Cario, New York 12413

RE: FEMA Buyout West

Dear Mr. Bliss:

Spectrum Environmental Associates, Inc. (Spectrum) has attached the laboratory results and chain of custody record for the bulk sample(s) submitted to our office on December 13, 2013 for asbestos analysis.

According to USEPA and New York State Department of Labor - Industrial Code Rule 56 (NYS ICR 56) an asbestos containing material contains more than one percent (1%) of asbestos by weight. Analytical results indicating a "trace" means there was less than 1% asbestos observed in the sample. Therefore, the material may be considered non-asbestos containing. NAD means that no asbestos was detected. Based on these guidelines, the following materials were determined to be asbestos containing and should only be disturbed by individuals properly trained to perform such work.

<u>Material</u>	<u>Location</u>	<u>% and Type Asbestos</u>
None Identified		

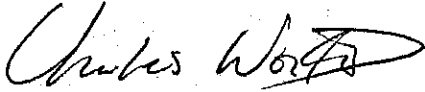
AmeriSci is located in New York, New York and is a New York State Department of Health Environmental Laboratory Approval Program (ELAP) approved laboratory (ELAP #11480). AmeriSci analyzes both friable and non-friable organically bound (NOB) materials using Polarized Light Microscopy (PLM) in accordance with the NYS DOH ELAP Methodologies. Within the scope of this method, all friable materials are analyzed using point counting to quantify the amount of asbestos present. For NOB materials, the method incorporates mandatory matrix reduction techniques including muffle furnace ashing and acid treatment of the sample.

In accordance with ELAP, NOB materials which have a result of less than one percent (<1%) asbestos by PLM analysis, must be analyzed by ELAP Method 198.4 (Transmission Electron Microscope Method for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples). Analysis must be performed via TEM to consider or treat NOB samples originating in New York State as non-asbestos containing.

This report is for the exclusive use of Kaaterskill Associates, its successors and/or assigns. This report and its contents represent confidential information and should not be duplicated without the expressed permission of Kaaterskill Associates, its successors and/or assigns.

Should you have any questions concerning the analysis of these materials, please do not hesitate to contact our office at (518) 346-6374.

Sincerely,

A handwritten signature in cursive script, appearing to read "Charles Wolford". The signature is written in black ink and is positioned above the printed name.

Charles D. Wolford
Project Manager

Cc: file

Attachments: Chain of Custody
Laboratory Results
Licensure and Certification



AmeriSci New York

117 EAST 30TH ST.
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

Spectrum Environmental Associates, Inc **Date Received** 12/14/13 **AmeriSci Job #** 213122675
Attn: Bill Massman **Date Examined** 12/18/13 **P.O. #**
P.O.Box 1024 **ELAP #** 11480 **Page** 1 of 3
RE: 13-488; FEMA Buyout; West, Project #81513.37.0
Schenectady, NY 12301

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
01 1	213122675-01 Location: Roofing - Roof - Front Porch	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 12/18/13
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 2 %, Non-fibrous 38.3 %			
02 1	213122675-02 Location: Roofing - Roof - Main Roof	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 12/18/13
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 3 %, Non-fibrous 55.3 %			
03 2	213122675-03 Location: Underlayment - 1st Layer - Walls - Ext. Walls	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 12/18/13
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 32 %			
04 2	213122675-04 Location: Underlayment - 1st Layer - Walls - Ext. Walls	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 12/18/13
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 28.5 %			
05 3	213122675-05 Location: Underlayment - 2nd Layer - Walls - Ext. Walls	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 12/18/13
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 5.9 %			

See Reporting notes on last page

Client Name: Spectrum Environmental Associates, Inc.

PLM Bulk Asbestos Report

13-488; FEMA Buyout; West, Project #81513.37.0

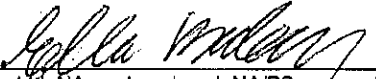
Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
06 3	213122675-06 Location: Underlayment - 2nd Layer - Walls - Ext. Walls	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 12/18/13
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 3.5 %			
07 4	213122675-07 Location: Asphalt - Walls - Ext. Wall Skirting	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 12/18/13
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 5.4 %			
08 4	213122675-08 Location: Asphalt - Walls - Ext. Wall Skirting	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 12/18/13
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 4.5 %			
09 5	213122675-09 Location: Gyp. Board - Outside - Debris Pile	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 12/18/13
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Fibrous glass Trace, Non-fibrous 100 %			
10 5	213122675-10 Location: Gyp. Board - Outside - Debris Pile	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 12/18/13
Analyst Description: Yellow/Grey, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 15 %, Non-fibrous 85 %			

Client Name: Spectrum Environmental Associates, Inc.

PLM Bulk Asbestos Report

13-488; FEMA Buyout; West, Project #81513.37.0

Reporting Notes:

Analyzed by: Ella Babayeva 

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by EPA 600/M4-82-020 (NY ELAP Lab ID11480); 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. AIHA Lab # 102843, RI Cert#AAL-094, CT Cert#PH-0186, Mass Cert#AA000054.

Reviewed By: _____ END OF REPORT _____

Client Name: Spectrum Environmental Associates, Inc.

Table I
Summary of Bulk Asbestos Analysis Results
 13-488; FEMA Buyout; West, Project #81513.37.0

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	01	1	0.506	27.3	32.4	40.3	NAD	NAD
	Location: Roofing - Roof - Front Porch							
02	02	1	1.206	31.8	9.9	58.3	NAD	NAD
	Location: Roofing - Roof - Main Roof							
03	03	2	0.325	58.5	9.5	32.0	NAD	NAD
	Location: Underlayment - 1st Layer - Walls - Ext. Walls							
04	04	2	0.435	26.7	44.8	28.5	NAD	NAD
	Location: Underlayment - 1st Layer - Walls - Ext. Walls							
05	05	3	0.135	91.1	3.0	5.9	NAD	NAD
	Location: Underlayment - 2nd Layer - Walls - Ext. Walls							
06	06	3	0.172	94.8	1.7	3.5	NAD	NAD
	Location: Underlayment - 2nd Layer - Walls - Ext. Walls							
07	07	4	0.205	92.7	2.0	5.3	NAD	Chrysotile Trace
	Location: Asphalt - Walls - Ext. Wall Skirting							
08	08	4	0.247	93.5	2.0	4.5	NAD	NAD
	Location: Asphalt - Walls - Ext. Wall Skirting							
09	09	5	---	---	---	---	NAD	NA
	Location: Gyp. Board - Outside - Debris Pile							
10	10	5	---	---	---	---	NAD	NA
	Location: Gyp. Board - Outside - Debris Pile							

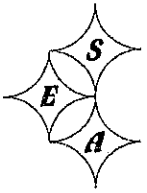
Mary Collins

Analyzed by: Madeil E. Collins; Date Analyzed 12/19/2013

**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation) or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; 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); AIHA Lab # 102843, NVLAP Lab Code 200546-0, NYSDOH ELAP Lab ID#11480.

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 heterogeneous materials).

Reviewed By: _____



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P. O. Box 1024
 Schenectady, NY 12301
 (518) 346-6374 (Phone)
 (518) 346-4062 (Fax)
 www.4spectrum.com

213122675

BULK SAMPLING CHAIN OF CUSTODY Rev 6-1-03

13-488

PROJECT INFORMATION

Project #: 81513.37.0	Project Name: FEMA BOYD	Matrix	Asbestos Analysis	Lead Analysis	Turnaround
Date Sampled: 12/13/13	Building Name: WEST	<input checked="" type="checkbox"/> Bulk	<input checked="" type="checkbox"/> PLM - ELAP 198.1	<input type="checkbox"/> AAS - Air	<input checked="" type="checkbox"/> 24 Hour
Page # 1 of 1	Investigator:	<input type="checkbox"/> Paint	<input checked="" type="checkbox"/> PLM - ELAP 198.6	<input type="checkbox"/> AAS - Paint	<input checked="" type="checkbox"/> 24 Hour
Comments: Unless otherwise stated analyze each group to 1 st positive result.		<input type="checkbox"/> Soil	<input checked="" type="checkbox"/> TEM - ELAP 198.4	<input type="checkbox"/> AAS - Dust/Wipe	<input checked="" type="checkbox"/> 24 Hour
		<input type="checkbox"/> Wipe	<input type="checkbox"/> Other	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Other 5 day

SAMPLE IDENTIFICATION

Lab ID #	Field ID #	Group #	Material	Floor or Building	Sample Location
	01	1	ROOFING	ROOF	FRONT PORCH
	02	1	"	"	MAIN ROOF
	03	2	UNDERLASHMENT ^{1ST} LAYER	WALLS	EXT. WALLS
	04	2	"	"	" "
	05	3	"	^{END} LAYER	" "
	06	3	"	"	" "
	07	4	ASPHALT	"	EXT WALL SKIRTING
	08	4	"	"	" " "
	09	5	GYP BOARD	OUTSIDE	DEBRIS PILE
	10	5	" "	"	" "

CHAIN OF CUSTODY

	Relinquished By	Date	Time	Received By	Date	Time	Method of Submittal
I		12/13/13	2:45		12-13-13	2:45	
II					12/14/13	9:30	
III							

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

Spectrum Environmental Associates, Inc
P.O. Box 1024
Schenectady, NY 12301

FILE NUMBER: 99-0129
LICENSE NUMBER: 29081
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 01/24/2013
EXPIRATION DATE: 02/28/2014

Duly Authorized Representative - William L. Massmann

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.



Eileen M. Franko, Acting Director
For the Commissioner of Labor

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2014
Issued April 01, 2013

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

MR. RAVI KRISHNAPPA
AMERICA SCIENCE TEAM NEW YORK INC
117 EAST 30TH ST
NEW YORK, NY 10016

NY Lab Id No: 11480

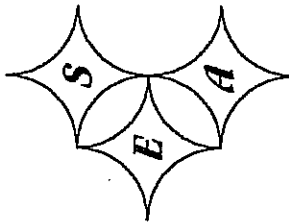
Is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020 Item 198.1 of Manual
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.: 48678

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.



Spectrum Environmental Associates, Inc.

Exceeding our Clients Expectations of Excellence

This is to certify that

Michael P. Bliss

Social Security #: XXX-XX-5404

Has Successfully Completed The:

Asbestos Building Inspector Refresher Course
Also satisfies the N.Y.S.D.O.H. Building Inspector Refresher Requirements

This course is EPA and New York State Department Of Health approved pursuant to Article 30, Section 905 of the New York State Labor Law as required under Title 10, Chapter 11, Subchapter H, Part 73 NYSCRR.

The DOH 2832 certificate issued is the official record of this training course.

100	4/4/13
Exam Score	Course Date(s)
4/4/2013	
Exam Date	4/4/2014
664225	Expiration Date
DOH 2832	
Certificate Number	Kathy D. McCollum Director of Training

2539 Albany Street, Box 1024 - Schenectady, New York 12301 - 1024
Phone: (518) 346-6374 | Fax: (518) 346-4062 | www.Aspectrum.com

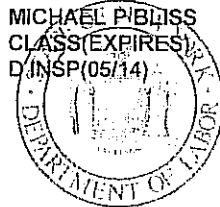
RESPIRATOR FIT CERTIFICATION

NAME Michael Bliss
 S.S.# 084 503404 NEXT TEST DUE 4/26/14
 EMPLOYER Waterskill Assoc
 FULL FACE HALF FACE FULL FACE HALF FACE
 MAKE/MODEL 3M MAKE/MODEL _____ MAKE/MODEL _____
 SIZE Large SIZE _____ SIZE _____
 APPROVAL# _____ APPROVAL# _____ APPROVAL# _____
 FIT FACTOR 100 FIT FACTOR _____ FIT FACTOR _____
Concentra 4/21/13
 TEST OPERATOR DATE ISSUED

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



MICHAEL P. BLISS
 CLASS (EXPIRES)
 D/INSP (05/14)



CERT# 01-15929
 DMV# 134666477
 MUST BE CARRIED ON ASBESTOS PROJECTS

Occupational Health Centers
 of New York, P.A.
 Affiliated with Concentra

1971 WESTERN AVE.
 ALBANY, NY 12203
 (518) 452-2597
 FAX: (518) 452-4348



EYES GRN
 HAIR BRO
 HGT 6' 04"

IF FOUND RETURN TO:
 NYS DOL - 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

Kaaterskill Associates Land Surveying Architecture and
Engineering, P.C.


P.O. Box 1020
Cairo, NY 12413

FILE NUMBER: 00-1040
LICENSE NUMBER: 29739
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 06/19/2013
EXPIRATION DATE: 06/30/2014

Duly Authorized Representative: Michael P. Bliss

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Eileen M. Franko, Acting Director
For the Commissioner of Labor