



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 Schaefer single family residence  
42 Old Kaaterskill Avenue  
Palenville, Greene County, NY,  
Tax Map # 199.12-3-2  
KA # 81513.37.02

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 12, 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 12, 2013) were then delivered to Spectrum Environmental Associates December 13, 2013 for purposes of laboratory analysis (see attached PLM Bulk Asbestos Reports two pages and Summary of Bulk Asbestos Analysis Results one page for results).

None of the lab results came back positive (contained asbestos with more than 1% asbestos by weight). **A NYS certified asbestos abatement contractor is not required** to remove any material prior to demolition. If during demolition any suspect ACM is observed from within any building cavities that were hidden, 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.

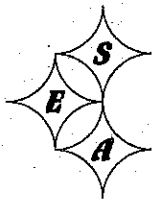
Remember to forward this report to the DOL for your demolition permit and also keep a copy of this report at the building during any of the demolition. If you have any questions please call.

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.Aspectrum.com](http://www.Aspectrum.com)

December 19, 2013

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

RE: FEMA Buyout Schaefer

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 black ink, appearing to read "Charles D. Wolford". The signature is fluid and cursive, with a large loop at the end.

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 #** 213122673  
 Attn: Bill Massman   **Date Examined** 12/18/13   **P.O. #**  
 P.O.Box 1024   **ELAP #** 11480   **Page** 1 of 2  
**RE: 13-489; FEMA Buyout; Schaefer, Project #81513.37.02**

Schenectady, NY 12301

| Client No. / HGA  | Lab No.      | Asbestos Present | Total % Asbestos   |
|---|--------------|------------------|--|
| 01<br>1      Location: Roofing - Roof - Rear Section  | 213122673-01 | No               | NAD<br>(by NYS ELAP 198.6)<br>by Tara L. Fisher<br>on 12/18/13 |
| <b>Analyst Description:</b> Black, Homogeneous, Non-Fibrous, Bulk Material<br><b>Asbestos Types:</b><br><b>Other Material:</b> Non-fibrous 49.1 %                                   |              |                  |  |
| 02<br>1      Location: Roofing - Roof - Rear Section  | 213122673-02 | No               | NAD<br>(by NYS ELAP 198.6)<br>by Tara L. Fisher<br>on 12/18/13 |
| <b>Analyst Description:</b> Black, Homogeneous, Non-Fibrous, Bulk Material<br><b>Asbestos Types:</b><br><b>Other Material:</b> Non-fibrous 56.8 %                                   |              |                  |  |
| 03<br>2      Location: Caulking - Bilco - Top Of Cover  | 213122673-03 | No               | NAD<br>(by NYS ELAP 198.6)<br>by Tara L. Fisher<br>on 12/18/13 |
| <b>Analyst Description:</b> Black, Homogeneous, Non-Fibrous, Bulk Material<br><b>Asbestos Types:</b><br><b>Other Material:</b> Non-fibrous 29.6 %                                   |              |                  |  |
| 04<br>2      Location: Caulking - Bilco - Top Of Cover  | 213122673-04 | No               | NAD<br>(by NYS ELAP 198.6)<br>by Tara L. Fisher<br>on 12/18/13 |
| <b>Analyst Description:</b> Black, Homogeneous, Non-Fibrous, Bulk Material<br><b>Asbestos Types:</b><br><b>Other Material:</b> Non-fibrous 26.9 %                                   |              |                  |  |
| 05<br>3      Location: Duct Insul. - Base - Over Head Main Duct   | 213122673-05 | No               | NAD<br>(by NYS ELAP 198.1)<br>by Tara L. Fisher<br>on 12/18/13 |
| <b>Analyst Description:</b> Silver/Tan, Homogeneous, Fibrous, Bulk Material<br><b>Asbestos Types:</b><br><b>Other Material:</b> Cellulose 25 %, Fibrous glass 5 %, Non-fibrous 70 % |              |                  |  |

See Reporting notes on last page

Client Name: Spectrum Environmental Associates, Inc.


# PLM Bulk Asbestos Report

13-489; FEMA Buyout; Schaefer, Project #81513.37.02

| Client No. / HGA  | Lab No.  | Asbestos Present | Total % Asbestos   |
|---|--|------------------|--|
| 06<br>3   | 213122673-06<br>Location: Duct Insul. - Base - Over Head Main Duct | No               | NAD<br>(by NYS ELAP 198.1)<br>by Tara L. Fisher<br>on 12/18/13 |
| <b>Analyst Description:</b> Silver/Tan, Homogeneous, Fibrous, Bulk Material |  |                  |  |
| <b>Asbestos Types:</b>  |  |                  |  |
| Other Material: Cellulose 30 %, Fibrous glass 15 %, Non-fibrous 55 %        |  |                  |  |

**Reporting Notes:**

Analyzed by: Tara L. Fisher



\*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**  
 13-489; FEMA Buyout; Schaefer, Project #81513.37.02

| 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       | 0.754                | 32.5                     | 18.4                     | 49.1                               | NAD                     | NAD                  |
| Location: Roofing - Roof - Rear Section            |                |         |                      |                          |                          |                                    |                         |                      |
| 02   | .02            | 1       | 1.026                | 35.5                     | 7.7                      | 56.8                               | NAD                     | NAD                  |
| Location: Roofing - Roof - Rear Section            |                |         |                      |                          |                          |                                    |                         |                      |
| 03   | .03            | 2       | 0.213                | 58.7                     | 11.7                     | 29.6                               | NAD                     | NAD                  |
| Location: Caulking - Bilco - Top Of Cover          |                |         |                      |                          |                          |                                    |                         |                      |
| 04   | .04            | 2       | 0.186                | 60.2                     | 12.9                     | 26.9                               | NAD                     | NAD                  |
| Location: Caulking - Bilco - Top Of Cover          |                |         |                      |                          |                          |                                    |                         |                      |
| 05   | .05            | 3       | ---                  | ---                      | ---                      | ---                                | NAD                     | NA                   |
| Location: Duct Insul. - Base - Over Head Main Duct |                |         |                      |                          |                          |                                    |                         |                      |
| 06   | .06            | 3       | ---                  | ---                      | ---                      | ---                                | NAD                     | NA                   |
| Location: Duct Insul. - Base - Over Head Main Duct |                |         |                      |                          |                          |                                    |                         |                      |

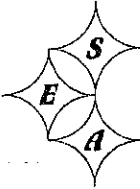


Analyzed by: Madell E. Collins; Date Analyzed 12/19/2013

\*\*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); ALPHA 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: \_\_\_\_\_



# SPECTRUM

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"EXCEEDING OUR CLIENTS EXPECTATIONS OF EXCELLENCE"

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

213122673

13-489

## BULK SAMPLING CHAIN OF CUSTODY Rev 6-1-08

### PROJECT INFORMATION

|  |                                |  |  |  |  |
|--|--------------------------------|--|--|--|--|
| Project #: 81513.37.02   | Project Name: SCH FEMA BOYDOUT | Matrix                                   | Asbestos Analysis                                    | Lead Analysis                            | Turnaround   |
| Date Sampled: 12/12/13   | Building Name: SCHAEFER        | <input checked="" type="checkbox"/> Bulk | <input checked="" type="checkbox"/> PLM - ELAP 198.1 | <input type="checkbox"/> AAS - Air       | <input type="checkbox"/> RUSH                          |
| Page # 1 of 1  | Investigator: MIKE BLISS       | <input type="checkbox"/> Paint           | <input checked="" type="checkbox"/> PLM - ELAP 198.6 | <input type="checkbox"/> AAS - Paint     | <input type="checkbox"/> 24 Hour                       |
| Comments: Unless otherwise stated analyze each group to 1 <sup>st</sup> positive result. |                                | <input type="checkbox"/> Soil            | <input checked="" type="checkbox"/> TEM - ELAP 198.4 | <input type="checkbox"/> AAS - Dust/Wipe | <input type="checkbox"/> 72 Hour                       |
|  |                                | <input type="checkbox"/> Wipe            | <input type="checkbox"/> Other                       | <input type="checkbox"/> Other           | <input checked="" type="checkbox"/> Other <i>5 day</i> |

### SAMPLE IDENTIFICATION

| Lab ID # | Field ID # | Group # | Material   | Floor or Building | Sample Location    |
|----------|------------|---------|------------|-------------------|--------------------|
| 0        | 01         | 1       | ROOFING    | ROOF              | REAR SECTION       |
|          | 02         | 1       | "          | "                 | " "                |
|          | 03         | 2       | CAULKING   | BILCO             | TOP OF COVER       |
|          | 04         | 2       | "          | "                 | " " "              |
|          | 05         | 3       | DUCT INSUL | BASE              | OVER HEAD MAN DUCT |
|          | 06         | 3       | " "        | "                 | " " " "            |
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|          |            |         |            |                   |                    |

### CHAIN OF CUSTODY

| Relinquished By    | Date     | Time | Received By        | Date     | Time | Method of Submittal |
|--------------------|----------|------|--------------------|----------|------|---------------------|
| <i>[Signature]</i> | 12/13/13 | 2:45 | <i>[Signature]</i> | 12-13-13 | 2:45 |                     |
|                    |          |      | <i>[Signature]</i> | 12/14/13 | 9:30 |                     |
|                    |          |      |                    |          |      |                     |

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

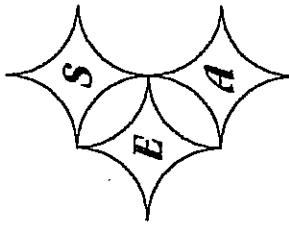
Is hereby APPROVED as an Environmental Laboratory for the category  
**ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE**  
All approved subcategories and/or analytes are listed below.

**Miscellaneous**

|                                      |   |
|--------------------------------------|---|
| Asbestos in Friable Material         | EPA 600/M4/82/020<br>(Item 198.1 of Manual) |
| Asbestos in Non-Friable Material-PLM | Item 198.8 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***

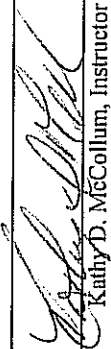
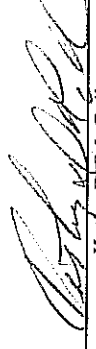
Social Security #: XXX-XX-5404

*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          |   |
| 664225             | 4/4/2014  |
| DOH 2832           | Expiration Date   |
| Certificate Number |   |
|                    |   |
|                    | Kathy D. McCollum, Instructor   |
|                    |  |
|                    | Kathy D. McCollum<br>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)  
 DEPARTMENT OF LABOR

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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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