

## ***Crothers Environmental Group, LLC***

24 Langdell Road  
Morrisville, Vermont 05661  
Phone 802-888-1936  
info@crothersiaq.com

November 12, 2008

Jon Jewett, District Facilities Manager  
**State of Vermont**  
Department of Buildings & General Services  
103 South Main Street  
Waterbury, Vermont 05676

RE: Limited Asbestos Inspection – Stanley Hall  
Waterbury State Office Complex

Dear Mr. Jewett,

Per your request, Crothers Environmental Group, LLC performed an inspection for the presence of asbestos-containing materials at select locations inside Stanley Hall.

Bulk samples were collected to confirm or deny the presence of asbestos located in suspect building materials before they were disturbed by the renovation activities scheduled in the facility. The findings in this report are based on visual observations made during the inspection and analytical results of the collected bulk samples. The following materials are confirmed to contain greater than 1% asbestos as discovered by laboratory analysis:

- **12" x 12" Gray vinyl floor tiles**

Thirty-one (31) bulk samples (including layers) were collected on November 3, 2008 and delivered to EMSL Analytical, Inc. Proper chain-of-custody procedures were followed during transport of samples. EMSL Analytical, Inc. is a Vermont Licensed and US EPA Accredited Laboratory. All samples, unless noted, were analyzed by Polarized Light Microscopy "**PLM**" in accordance with EPA test method 40 CFR Part 763, Subpart F. The analyst visually estimates the percentages of identified asbestos.

NOTE: Though the asbestos inspection was limited to suspect building materials that would be disturbed by the installation of the new air-conditioning systems, plaster and suspended ceiling tiles were sampled throughout the entire building. **No asbestos was detected in the plaster and suspended ceiling tiles and future renovations in Stanley Hall can be conducted without further sampling of these materials.**

### ASBESTOS BULK SAMPLE INVENTORY & ANALYTICAL RESULTS

Sample Number	Homogeneous Area	Sample Location	Analytical Result
78259-1A	Plaster wall, white skim coat Surfacing material	Basement, west wall by Room # 001	No Asbestos Detected <b>NAD</b>
78259-1B	Plaster wall, brown coat Surfacing material	Basement, west wall by Room # 001	NAD
78259-2 Tile	12" x 12" green vinyl floor tile Miscellaneous material	2 <sup>nd</sup> floor, Room # 201, northeast corner	NAD
78259-2 Adhesive	Glue under vinyl floor tile Miscellaneous material	2 <sup>nd</sup> floor, Room # 201, northeast corner	NAD
78259-3 Tile	12" x 12" green vinyl floor tile Miscellaneous material	2 <sup>nd</sup> floor, Room # 203, center of room	NAD
78259-3 Adhesive	Glue under vinyl floor tile Miscellaneous material	2 <sup>nd</sup> floor, Room # 203, center of room	NAD
78259-4 Tile	<b>12" x 12" gray vinyl floor tile</b> Miscellaneous material	2 <sup>nd</sup> floor, Room # 203, northwest of room	<b>3% Chrysotile Asbestos</b>
78259-4 Adhesive	Glue under vinyl floor tile Miscellaneous material	2 <sup>nd</sup> floor, Room # 203, northwest side of room	NAD
78259-5 Tile	<b>12" x 12" gray vinyl floor tile</b> Miscellaneous material	2 <sup>nd</sup> floor, Room # 203, northeast of room	<b>3% Chrysotile Asbestos</b>
78259-5 Adhesive	Glue under vinyl floor tile Miscellaneous material	2 <sup>nd</sup> floor, Room # 203, northeast side of room	NAD
78259-6A	Plaster wall, white skim coat Surfacing material	1 <sup>st</sup> floor hall, above suspended ceiling by Room # 102	NAD
78259-6B	Plaster wall, brown coat Surfacing material	1 <sup>st</sup> floor hall, above suspended ceiling by Room # 102	NAD
78259-7A	Plaster wall, white skim coat Surfacing material	3 <sup>rd</sup> floor, Storage room between bathrooms, north wall	NAD
78259-7B	Plaster wall, brown coat Surfacing material	3 <sup>rd</sup> floor, Storage room between bathrooms, north wall	NAD
78259-8A	Plaster ceiling, white skim coat Surfacing material	1 <sup>st</sup> floor Room # 105, northeast corner above suspended ceiling	NAD
78259-8B	Plaster ceiling, brown coat Surfacing material	1 <sup>st</sup> floor Room # 105, northeast corner above suspended ceiling	NAD
78259-9A	Plaster ceiling, white skim coat Surfacing material	1 <sup>st</sup> floor Room # 108, center of room above suspended ceiling	NAD
78259-9B	Plaster ceiling, brown coat Surfacing material	1 <sup>st</sup> floor Room # 108, center of room above suspended ceiling	NAD
78259-10A	Plaster wall, white skim coat Surfacing material	3 <sup>rd</sup> floor, Hall by reception area, west wall above suspended ceiling	NAD
78259-10B	Plaster wall, brown coat Surfacing material	3 <sup>rd</sup> floor, Hall by reception area, west wall above suspended ceiling	NAD

Sample Number	Homogeneous Area	Sample Location	Analytical Result
78259-11A	Plaster wall, white skim coat Surfacing material	2 <sup>nd</sup> floor, Room # 213, east wall above suspended ceiling	NAD
78259-11B	Plaster wall, brown coat Surfacing material	2 <sup>nd</sup> floor, Room # 213, east wall above suspended ceiling	NAD
78259-12 Tile	Black flooring mastic Miscellaneous material	1 <sup>st</sup> floor Room # 100, southeast corner of room under carpet	NAD
78259-12 Adhesive	Carpet glue Miscellaneous material	1 <sup>st</sup> floor Room # 100, southeast corner of room under carpet	NAD
78259-12 Leveler	Floor leveling compound Miscellaneous material	1 <sup>st</sup> floor Room # 100, southeast corner of room under carpet	NAD
78259-13 Tile	Black flooring mastic Miscellaneous material	1 <sup>st</sup> floor Room # 100, northwest corner of room under carpet	NAD
78259-13 Adhesive	Carpet glue Miscellaneous material	1 <sup>st</sup> floor Room # 100, northwest corner of room under carpet	NAD
78259-13 Leveler	Floor leveling compound Miscellaneous material	1 <sup>st</sup> floor Room # 100, northwest corner of room under carpet	NAD
78259-14	2'x4' ceiling tile, white with pin hole & blotches pattern Miscellaneous Material	1 <sup>st</sup> floor Room # 100, southeast corner of room	NAD
78259-15	2'x4' ceiling tile, white with pin hole & blotches pattern Miscellaneous Material	2 <sup>nd</sup> floor Hall, by Room # 215	NAD
78259-16	2'x4' ceiling tile, white with pin hole & blotches pattern Miscellaneous Material	3 <sup>rd</sup> floor Hall, by Women's restroom	NAD

INVENTORY OF CONFIRMED ASBESTOS-CONTAINING MATERIALS

Homogeneous Area	Material Type	Material Condition	Material Location	Analytical Result	Approximate Quantity
12" x 12" Gray vinyl floor tiles	Miscellaneous Non-Friable	<10% localized damage	2 <sup>nd</sup> floor Computer Room Area (may be located in other locations in Stanley Hall)	<b>3% Chrysotile Asbestos</b>	<b>800 square feet +/-</b>

**ESTIMATED ASBESTOS-REMOVAL COSTS**

The total estimated cost for removal and disposal of the floor tile is approximately \$1,300.00.

**The following is a list of building materials that were sampled and not found to contain asbestos:**

- Suspended ceiling tiles (throughout Stanley Hall)
- Plaster walls and ceilings (throughout Stanley Hall)
- Green 12" x 12" vinyl floor tiles (of the type located in 2<sup>nd</sup> floor Computer Rooms)
- Flooring adhesives and mastics (2<sup>nd</sup> floor Computer Rooms and 1<sup>st</sup> floor Room #100 Conference Room)
- Floor leveling compound (1<sup>st</sup> floor Room #100 Conference Room)

## RENOVATION REQUIREMENTS

### Non-Friable Asbestos-Containing Materials

Non-friable ACM or PACM is an asbestos-containing material that when dry cannot be crumbled, pulverized, or reduced to powder by hand pressure. The following materials were identified as non-friable ACM:

⇒ **12” x 12” Gray Vinyl Floor Tiles**

The following regulatory agencies have regulations in effect when removing/disturbing friable ACM:

#### Vermont Department of Health

The Vermont Regulations for Asbestos Control (**VRAC**) - V.S.A. Title 18, Chapter 26, requires that all non-friable asbestos-containing materials that will be disturbed by renovation or demolition activities be properly removed prior to disturbance. VRAC Section 6 only requires minimal abatement procedures when removing non-friable materials. Vermont certified abatement personnel are not required (**but strongly recommended**). In short, the removal procedures include but do not limit:

- ◆ adequately wetting the material;
- ◆ removing the material in as large of sections as feasible; and
- ◆ properly packaging, labeling and disposing of the material.

#### Occupational Safety and Health Administration

(V)OSHA Title 29 Code of Federal Regulations (“**CFR**”) 1926.1101 *Asbestos Standard for the Construction Industry* classifies these materials as Class II. This regulation is more stringent than VRAC, requiring the supervision by a competent person, specifically trained in a training course that meets the EPA’s Model Accreditation Plan (Title 40 CFR 763, *Asbestos-Containing Materials in Schools; Final Rule and Notice*) or a supervisor or project designer or its equivalent. Employees must also be trained, medically monitored and etc. Unless a negative exposure assessment has been carried out, full procedures are required under this regulation.

#### U.S. Environmental Protection Agency

USEPA - Title 40 CFR Part 61 *National Emission Standards for Hazardous Air Pollutants; Asbestos NESHAP Revision; Final Rule* requirements do not apply unless the non-friable ACM is subjected to sanding, sawing, chipping, grinding, abrading or drilling or other dust generating removal operation.

## **ABESTOS HAZARD COMMUNICATION REQUIREMENTS**

This section applies to the communication of information concerning asbestos hazards in construction & general industry to facilitate compliance with VOSHA 1926.1101 (construction) and 1910.1001 (general industry). Building owners are often the only and/or best sources of information concerning the presence of previously installed ACM. Therefore they, along with employers of potentially exposed employees, are assigned specific duties for hazard communication. **Building and/or facility owners** shall notify the following persons of the presence, location and quantity of ACM or PACM, at the work sites in their buildings and facilities. Notification shall be either in writing, or shall consist of a personal communication between the owner and the person to whom notification must be given or their authorized representatives:

- Prospective employers applying or bidding for work whose employees reasonably can be expected to work in or adjacent to areas containing such material;
- Employees of the owner who will work in or adjacent to areas containing such material;
- On multi-employer worksites, all employers of employees who will be performing work within or adjacent to areas containing such material; and
- Tenants who will occupy areas containing such material.

### **Disclaimer:**

Some suspect materials may be present in locations such as behind walls, in chases, above rigid ceilings, inside crawl spaces, etc. that were not visible or accessible to the Inspector. In the event suspect materials not identified in this report are discovered through demolition/renovation activities, the discovered material must be presumed as asbestos-containing and treated accordingly.

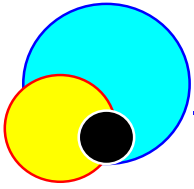
Please call our office at 802-888-1936 if you have any questions regarding this report or if you need further information.

Signed,

R. Chris Crothers  
Crothers Environmental Group, LLC

cc: Richard Ethier, Director of Facilities – Vermont State Colleges  
☞ CEG78257

enclosures: Laboratory Analytical Sheets  
Asbestos Inspector & Laboratory Licenses



December 23, 2009

Jon Jewett, District Facilities Manager  
**State of Vermont**  
Department of Buildings & General Services  
103 South Main Street  
Waterbury, Vermont 05676

RE: Limited Asbestos Inspection – Stanley Hall  
Waterbury State Office Complex

Dear Mr. Jewett,

Per BGS's request we conducted a limited follow-up inspection for the presence of asbestos-containing materials at Stanley Hall in Waterbury, Vermont. This inspection was conducted on December 14, 2009. The general contractor demolished a wall and discovered suspect asbestos bricks and soft mortar that were not tested in the original inspection.



These materials were sampled and no asbestos was detected.

## ASBESTOS BULK SAMPLING & LABOATORY ANALYSIS

Six (6) bulk samples were collected and delivered to KD Associates, Inc. Proper chain-of-custody procedures were followed during transport of samples. KD Associates, Inc. is a Vermont Licensed Asbestos Analytical Laboratory. All samples, unless noted, were analyzed by Polarized Light Microscopy “PLM” in accordance with EPA test method 40 CFR Part 763, Subpart F. The analyst visually estimates the percentages of identified asbestos.

**TABLE 1**  
**ASBESTOS BULK SAMPLE INVENTORY & ANALYTICAL RESULTS**

Sample Number	Homogeneous Material	Sample Location	Analytical Result
99410-1	White blocking material	East wall adjacent bathroom door inside office area	No asbestos detected -NAD
99410-2	White blocking material	North wall above shower stall in bathroom	NAD
99410-3	White blocking material	East wall opening into office in bathroom	NAD
99410-4	Gray cement joint compound	East wall adjacent bathroom inside office	NAD
99410-5	Gray cement joint compound	North wall above shower stall in bathroom	NAD
99410-6	Gray cement joint compound	East wall opening into office in bathroom	NAD

The inspection was conducted to comply with renovation requirements set forth by the Vermont Regulations for Asbestos Control (V.S.A Title 18, Chapter 26) and the U.S. Environmental Protection Agency Asbestos NESHAP Regulation (40 CFR Part 61 Subpart M).

Please call our office at 802-888-1936 if you have any questions regarding this report or if you need further information.

R. Chris Crothers, Principal  
Crothers Environmental Group, LLC

enclosures: Laboratory Analysis Sheets  
Consultant & Laboratory License Copies

cc:  CEG99410





**EMSL Analytical, Inc.**

107 Haddon Ave., Westmont, NJ 08108

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

Attn: **Chris Crothers**  
**Crothers Environmental Group**  
**24 Langdell Road**  
**Morrisville, VT 05661**

Customer ID: CROT30  
Customer PO:  
Received: 11/06/08 10:30 AM  
EMSL Order: 040828646

Fax: Phone: (802) 888-1936  
Project: **78259 STANLEY HALL WATERBURY STATE OFFICE  
COMPLEX**

EMSL Proj:  
Analysis Date: 11/12/2008  
Report Date: 11/12/2008

**Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized  
Light Microscopy**

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
78259-1A 040828646-0001	BASEMENT WEST WALL BY ROOM 001	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
78259-1B 040828646-0001A	BASEMENT WEST WALL BY ROOM 001	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
78259-2A 040828646-0002	2ND FLOOR ROOM 201 NE CORNER	Green Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
78259-2B 040828646-0002A	2ND FLOOR ROOM 201 NE CORNER	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
78259-3A 040828646-0003	2ND FLOOR ROOM 203 CENTER OF ROOM	Green Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
78259-3B 040828646-0003A	2ND FLOOR ROOM 203 CENTER OF ROOM	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
78259-4A 040828646-0004	2ND FLOOR ROOM 203 NW SIDE OF ROOM	Gray Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile

Analyst(s) \_\_\_\_\_

Dave Poitras (31)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.  
Analysis performed by EMSL Westmont (NVLAP #101048-0), NY ELAP 10872



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**Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
78259-4B 040828646-0004A	2ND FLOOR ROOM 203 NW SIDE OF ROOM	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
78259-5A 040828646-0005	2ND FLOOR ROOM 203 NE SIDE OF ROOM	Gray Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
78259-5B 040828646-0005A	2ND FLOOR ROOM 203 NE SIDE OF ROOM	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
78259-6A 040828646-0006	1ST FL HALL ABOVE CEILING BY ROOM 102	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
78259-6B 040828646-0006A	1ST FL HALL ABOVE CEILING BY ROOM 102	Brown Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
78259-7A 040828646-0007	3RD FL STORAGE ROOM BETWEEN BATHROOMS N WALL	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s) \_\_\_\_\_

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Report Date: 11/12/2008

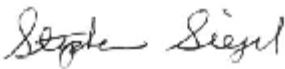
**Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
78259-7B 040828646-0007A	3RD FL STORAGE ROOM BETWEEN BATHROOMS N WALL	Brown Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (other)	None Detected
78259-8A 040828646-0008	1ST FL ROOM 105 ABOVE LAY-IN CEILING NE CORNER	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
78259-8B 040828646-0008A	1ST FL ROOM 105 ABOVE LAY-IN CEILING NE CORNER	Brown Fibrous Homogeneous	2% Cellulose 3% Hair	95% Non-fibrous (other)	None Detected
78259-9A 040828646-0009	1ST FL ROOM 108 ABOVE LAY-IN CEILING CENTER	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
78259-9B 040828646-0009A	1ST FL ROOM 108 ABOVE LAY-IN CEILING CENTER	Brown Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
78259-10A 040828646-0010	3RD FLOOR HALL BY RECEPTION W WALL ABOVE CEILING	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)  

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*Dave Poitras (31)*

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Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.  
Analysis performed by EMSL Westmont (NVLAP #101048-0), NY ELAP 10872



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**Morrisville, VT 05661**

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**Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
78259-10B 040828646-0010A	3RD FLOOR HALL BY RECEPTION W WALL ABOVE CEILING	Brown Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
78259-11A 040828646-0011	2ND FLOOR ROOM 215 EAST WALL ABOVE CEILING	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
78259-11B 040828646-0011A	2ND FLOOR ROOM 215 EAST WALL ABOVE CEILING	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
78259-12A 040828646-0012	1ST FLOOR ROOM 100 SE CORNER UNDER CARPET	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
78259-12B 040828646-0012A	1ST FLOOR ROOM 100 SE CORNER UNDER CARPET	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
78259-12C 040828646-0012B	1ST FLOOR ROOM 100 SE CORNER UNDER CARPET	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s) \_\_\_\_\_

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**Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
78259-13A 040828646-0013	1ST FLOOR ROOM 100 NW CORNER UNDER CARPET	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
78259-13B 040828646-0013A	1ST FLOOR ROOM 100 NW CORNER UNDER CARPET	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
78259-13C 040828646-0013B	1ST FLOOR ROOM 100 NW CORNER UNDER CARPET	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
78259-14 040828646-0014	1ST FLOOR ROOM 100 SE CORNER	Brown/White Fibrous Heterogeneous	50% Cellulose 10% Min. Wool	40% Non-fibrous (other)	None Detected
78259-15 040828646-0015	2ND FL HALLWAY BY ROOM 215	Brown/White Fibrous Heterogeneous	50% Cellulose 10% Min. Wool	40% Non-fibrous (other)	None Detected
78259-16 040828646-0016	3RD FL HALLWAY BY WOMEN'S ROOM	Brown/White Fibrous Homogeneous	50% Cellulose 10% Min. Wool	40% Non-fibrous (other)	None Detected

VERMONT CERT.#PB-016724

Analyst(s) \_\_\_\_\_

Dave Poitras (31)

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107 Haddon Ave., Westmont, NJ 08108

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Attn: **R. Chris Crothers**  
**Crothers Environmental Group**  
**24 Langdell Road**  
**Morrisville, VT 05661**

Customer ID: CROT30  
Customer PO:  
Received: 02/10/09 10:30 AM  
EMSL Order: 040903481

Fax: Phone: (802) 888-1936  
Project: **78259A/WATERBURY STATE OFFICE COMPLEX - STANLEY HALL**

EMSL Proj:  
Analysis Date: 2/10/2009  
Report Date: 2/10/2009

**Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
78259A-1 <i>040903481-0001</i>	ROOM 203	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	<b>None Detected</b>
78259A-2 <i>040903481-0002</i>	ROOM 201, N. SIDE	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	<b>None Detected</b>
78259A-3 <i>040903481-0003</i>	ROOM 201, S. SIDE	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	<b>None Detected</b>
78259A-4 <i>040903481-0004</i>	LOOSE PLYWOOD (STORED AT WAREHOUSE)	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	<b>None Detected</b>

CERT# PB238250

Analyst(s) \_\_\_\_\_

Steven Reynolds (4)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.  
Analysis performed by EMSL Westmont (NVLAP #101048-0), NY ELAP 10872