

June 26, 2009

Mr. Joe Aja, Project Engineer
State of Vermont - Department of Buildings & General Services
5 Perry Street, Suite 300
Barre, Vermont 05641-4272

Re: Asbestos & Lead Inspection Report
Wasson Hall – Waterbury State Office Complex

Dear Mr. Aja,

Per Teigh Southworth's request, we collected lead paint samples and asbestos bulk samples on May 5, 2009 and June 18, 2009 to comply with renovation requirements set forth by State and Federal regulatory agencies.

The sampling areas included interior and exterior surfaces. The following is a summary of findings:

ASBESTOS:

The following materials contain greater than 1% asbestos:

Water pipe insulation (30 linear feet in basement)
9" x 9" dark brown vinyl floor tiles

The following materials were found to contain less than <1% asbestos:

9" x 9" light brown vinyl floor tiles with white pattern streaks

LEAD:

The following surfaces were found to have lead in the paint:

Exterior – White paint on wood window casings, sashes and wells
Exterior – Window glazing's
Exterior – Off white paint on window wells
Exterior – Light green paint on window wells
Interior basement – White & blue paint on cinderblock walls and concrete
Interior basement – Gray paint on concrete floors

ASBESTOS

ASBESTOS BULK SAMPLING & LABOATORY ANALYSIS

Forty-one (41) asbestos bulk samples were collected (including layers) 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. One of the samples was point counted.

The following table provides asbestos bulk sampling information:

TABLE 1
ASBESTOS BULK SAMPLE INVENTORY & ANALYTICAL RESULTS

Sample Number	Homogeneous Material	Sample Location	Analytical Result
99122-1	Exterior window glazing (Miscellaneous Material)	Exterior – west side, south window	No asbestos detected NAD
99122-2	Exterior window caulk (Miscellaneous Material)	Exterior – west side, south window	NAD
99122-3	Exterior window glazing (Miscellaneous Material)	Exterior – west side, window north of porch	NAD
99122-4	Exterior window caulk (Miscellaneous Material)	Exterior – west side, window north of porch	NAD
99122-5	Brown blown-in insulation (Miscellaneous Material)	Attic, north end	NAD
99122-6	Brown blown-in insulation (Miscellaneous Material)	Attic, south end	NAD
99122-7	Window glazing (Miscellaneous Material)	Attic, south end window	NAD
99122-8	White blown-in insulation (Miscellaneous Material)	Attic, northeast corner	NAD
99122-9	White blown-in insulation (Miscellaneous Material)	Attic, north end, center	NAD
99122-10	White pipe wrap paper (Thermal System Insulation)	Basement Room #002, above ceiling chase	40% Chrysotile Asbestos
99122-11	1' x 2' ceiling panels (Miscellaneous Material)	Basement Room #002, center of ceiling	NAD
99122-12	16" x 24" ceiling panels (Miscellaneous Material)	Basement Room #003, west side	NAD
99122-13A	Plaster wall, white surface coat (Surfacing Material)	1 st floor, hall by Room #107, above suspended ceiling	NAD

Sample Number	Homogeneous Material	Sample Location	Analytical Result
99122-13B	Plaster wall, gray under coat (Surfacing Material)	1 st floor, hall by Room #107, above suspended ceiling	NAD
99122-14	2' x 4' Lay-in ceiling tile with worm & pin hole pattern (Miscellaneous Material)	1 st floor, hall by Room #107	NAD
99122-15	2' x 4' Lay-in ceiling tile with worm & pin hole pattern (Miscellaneous Material)	2 nd floor, hallway by entry to Room #203	NAD
99122-16	Plaster ceiling (only one coat) (Surfacing Material)	1st floor, storage room by Room #106	NAD
99122-17A	Plaster wall, white surface coat (Surfacing Material)	2 nd floor, conference room, west side above ceiling	NAD
99122-17B	Plaster wall, gray under coat (Surfacing Material)	2 nd floor, conference room, west side above ceiling	NAD
99122-18A	Plaster wall, white surface coat (Surfacing Material)	2 nd floor, hall by Room #203 above ceiling	NAD
99122-18B	Plaster wall, gray under coat (Surfacing Material)	2 nd floor, hall by Room #203 above ceiling	NAD
99122-19A	Plaster ceiling, white surface coat (Surfacing Material)	2 nd floor, coffee / break room above suspended ceiling	NAD
99122-19B	Plaster ceiling, gray under coat (Surfacing Material)	2 nd floor, coffee / break room above suspended ceiling	NAD
99122-20	2' x 4' Lay-in ceiling tile with bumpy pattern (Miscellaneous Material)	2 nd floor, conference room, west side	NAD
99122-21	2' x 4' Lay-in ceiling tile with bumpy pattern (Miscellaneous Material)	2 nd floor, coffee / break room above suspended ceiling	NAD
99122-22A	Plaster wall, white surface coat (Surfacing Material)	3 rd floor, stair landing south wall (above ceiling)	NAD
99122-22B	Plaster wall, gray under coat (Surfacing Material)	3 rd floor, stair landing south wall (above ceiling)	NAD
99122-23A	Plaster ceiling, white surface coat (Surfacing Material)	3 rd floor, bathroom entry (above ceiling)	NAD
99122-23B	Plaster ceiling, gray under coat (Surfacing Material)	3 rd floor, bathroom entry (above ceiling)	NAD
99122-24	Pipe insulation, white block type (Thermal System Insulation)	1st floor, Room #109 on pipe riser	NAD
99122-25	Pipe insulation, white block type (Thermal System Insulation)	1st floor, Room #110 on pipe riser	NAD
99122-26	Pipe insulation, white block type (Thermal System Insulation)	1st floor, Room #103 on pipe riser	NAD
99122-27A	Gray floor leveler (Miscellaneous Material)	1st floor, storage closet	NAD

Sample Number	Homogeneous Material	Sample Location	Analytical Result
99122-27B	Black mastic (Miscellaneous Material)	1st floor, storage closet	NAD
99122-28A	9" x 9" brown vinyl floor tile (Miscellaneous Material)	1st floor, storage closet	NAD
99122-28B	Burlap backing on brown VFT (Miscellaneous Material)	1st floor, storage closet	NAD
99122-29A	9" x 9" dark brown floor tile (Miscellaneous Material)	1st floor, storage closet	5% Chrysotile Asbestos
99122-29B	Tap paper under dark brown VFT (Miscellaneous Material)	1st floor, storage closet	NAD
99122-30A	9" x 9" light brown vinyl floor tile (Miscellaneous Material)	1st floor, storage closet	<0.25% Chrysotile Asbestos
99122-30B	Tap paper under light brown VFT (Miscellaneous Material)	1st floor, storage closet	NAD
99122-31	Black flooring mastic (Miscellaneous Material)	1st floor, storage closet	NAD

**INVENTORY OF CONFIRMED ASBESTOS-CONTAINING MATERIALS &
 ESTIMATED REMOVAL COSTS**

Homogeneous Area/Material	Material Condition	Material Location	Approximate Quantity	Estimated Removal Cost
9" x 9" vinyl floor tiles	Good	Stairwell, stairwell landings, storage closets	Not quantified	\$1.75 square foot for > 1000 square feet
Pipe insulation paper	Good	Basement Rooms #002 & #003	30 linear feet +/-	\$3,500.00

List of Non-Asbestos Containing Materials

The following suspect building materials were sampled and found not to contain asbestos:

- White block (mag) type pipe insulation with canvas wrap on heat risers in 1st floor offices
- Plaster walls and ceilings
- Floor tile tar paper underlayment, associated black mastic and floor leveling compound
- Blown-in attic insulation (2 types, brown & white)
- Suspended ceiling tiles and miscellaneous ceiling panels
- Window glazing's and caulk

Building Materials Containing 1% Asbestos or Less

The Vermont Department of Health; U.S. Environmental Protection Agency; and the Occupational Safety & Health Administration defines an asbestos-containing material (ACM) as any material containing greater than one percent (>1%) asbestos.

The light brown replacement vinyl floor tiles were found to contain less than 1% Chrysotile asbestos. These materials are not asbestos-containing materials by definition. There is no special licensing or disposal requirements when removing these materials. However, OSHA released an interpretation letter, summarized as follows:

Since the demo/reno operation involves material containing <1% asbestos, the work is not a designated class of asbestos work. Therefore, only 29 CFR 1926.1101(g)(1)(ii) and (iii), as well as those recordkeeping requirements under 29 CFR 1926.1101(n) that are associated with the negative exposure assessment, apply so long as neither asbestos permissible exposure limit (PEL) is exceeded or might be exceeded. 29 CFR 1926.1101(g)(1)(ii) requires:

"Wet methods, or wetting agents, to control employee exposures during asbestos handling, mixing, removal, cutting, application, and cleanup, except where employers demonstrate that the use of wet methods is infeasible.

In order to avoid the need to comply with the elements of the standard that are applicable when either asbestos permissible exposure limit is exceeded, the contractor conducting the demolition/renovation project must produce an initial negative exposure assessment for his/her employees.

There are three potential approaches for producing a negative exposure assessment. These are the use of objective data, previous air monitoring results, or current air monitoring results. If the contractor cannot produce a negative exposure assessment with objective data or previous air monitoring results, then the contractor must conduct asbestos exposure monitoring. Until the contractor is able to produce a negative exposure assessment for his/her employees, the contractor must comply with the elements of the standard that are applicable when either asbestos PEL is exceeded. Protective equipment and training must be provided to employees who are working while the contractor seeks to produce a negative exposure assessment. The contractor must provide those employees with the protective clothing described in 29 CFR 1926.1101(i). At a minimum, half-mask air-purifying respirators, other than disposable respirators, equipped with high efficiency filters are required. And, the contractor must provide those employees training that meets the mandates of 29 CFR 1926.1101(k)(9)(viii).

Typically, licensed asbestos abatement contractors are retained to remove these materials as most general contractors are not equipped to provide a negative exposure assessment. Depending on the quantity of floor tiles to be removed, the costs will range from \$1.50 to \$2.50 per square foot (quantities greater than 1500 square feet).

ASBESTOS 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; and
- On multi-employer worksites, all employers of employees who will be performing work within or adjacent to areas containing such material.

LEAD IN PAINT

LEAD IN PAINT SAMPLING & LABORATORY ANALYSIS

A limited inspection for lead in paint was conducted to determine if lead was present in paint on random exterior and interior surfaces. **The lead sampling was not intended to be a comprehensive survey of all surfaces and building components, but rather an indication of what a contractor can expect to encounter during renovation activities.**

Analytical Results

Lead was found to be present in amounts greater than the limit of detection in all the surfaces tested.

The following table details paint sample collection/analysis activities. Eleven (11) paint samples were collected. All samples were analyzed by a Vermont Certified Analytical Laboratory, utilizing flame atomic absorption, EPA Method 3050B/7420. The results are as follows:

TABLE 2

LEAD IN PAINT

Sample #	Room/Area Location ID	Sample Location/Surface	Paint Color	Lead Concentration (% by weight)
99122L-1	Exterior, west side, south window	Corner board trim/ wood	White	15
99122L-2	Exterior, west side, south window	Clapboard/ wood	White	0.19
99122L-3	Exterior, west side, south window	Window shutter/ wood	Off white	29
99122L-4	Exterior, west side, south window	Window casing/ wood	Light green	30
99122L-5	Exterior, west side, central window	Door casing/ wood	White	20
99122L-6	Exterior, west side, central window	Door/ wood	White	5.6
99122L-7	Exterior, west side, central window	South window sash/ wood	Off white	27
99122L-8	Exterior, west side, central window	Wall/ sheetrock	Light green	31
99122L-9	Basement Room #003, north wall	Wall/ cinderblock	White & blue	0.14
99122L-10	Basement Room #003, east wall	Wall/ concrete	White & blue	0.75
99122L-11	Basement Room #002,	Floor/ concrete	Gray	4.1

Cells shaded in blue indicate that the sample is positive for lead content. Samples in bold red print indicate the paint is a lead-based paint (0.5% or greater). Symbol < indicates less than detectable limits.

OSHA's Construction Industry Standard for Lead (29 CFR 1926.62) provides specific requirements to be followed when dealing with lead containing surface coatings in construction, regardless of the concentration of lead in the surface coating.

Employer Responsibilities

The 1926.62 OSHA Lead Construction Standard applies to all construction work operations where an employee may be occupationally exposed to lead. Any employer who has a workplace or operation that is covered by the standard is required to initially determine if employees are exposed to lead at or in excess of the eight-hour Action Level of 30 ug/m³ (micrograms per cubic meter of air). If the work operations include tasks such as, but not limited to, **manual demolition of structures**, manual sanding, heat gun applications, abrasive blasting, welding, cutting, torch burning, where lead coatings or paint are present, the employer is required to provide the affected employees with appropriate interim protection (i.e., respiratory protection, personal protective clothing, change areas, hand washing facilities, biological monitoring, and training) until such time that employee exposures have been determined.

Many of the standard's provisions are triggered by the level of employee exposure to lead. Employee exposures that are at or in excess of the action level, but less than the eight-hour Permissible Exposure Limit (PEL) of 50 ug/m³, require that the employer implement routine air monitoring, medical surveillance, housekeeping, and training. Employee exposures in excess of the PEL require additional actions by the employer including, routine air monitoring, methods of complying with the PEL, the use of respiratory protection, the use of protective work clothing and equipment, housekeeping practices, hygiene facilities (i.e. change areas, shower and hand washing facilities, and eating facilities), medical surveillance and medical removal protection, employee information and training, warning signs, and record keeping.

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

cc:  CEG99122



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

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

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

Customer ID: CROT30
 Customer PO:
 Received: 05/07/09 10:30 AM
 EMSL Order: 040911479

Fax: Phone: (802) 888-1936
 Project: **99122/WATERBURY STATE OFFICE COMPLEX-
 WATERBURY, VERMONT, WASSON HALL-THROUGHOUT**

EMSL Proj:
 Analysis Date: 5/12/2009

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
99122-1 040911479-0001	EXTERIOR- WEST SIDE, SOUTH WINDOW	White Non-Fibrous Heterogeneous		100% Matrix	None Detected
99122-2 040911479-0002	EXTERIOR- WEST SIDE, SOUTH WINDOW	White Non-Fibrous Homogeneous		100% Matrix	None Detected
99122-3 040911479-0003	EXTERIOR- WEST SIDE, SOUTH WINDOW, N. OF PORCH	Tan Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
99122-4 040911479-0004	EXTERIOR- WEST SIDE, SOUTH WINDOW, N. OF PORCH	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
99122-5 040911479-0005	ATTIC-NORTH END	Brown Fibrous Homogeneous	100% Cellulose		None Detected
99122-6 040911479-0006	ATTIC-SOUTH END	Brown Fibrous Heterogeneous	90% Cellulose	10% Non-fibrous (other)	None Detected

Analyst(s)

Delores Beard (20)
Peter Harrison (10)

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.
 AIHA IHLAP 100194, NVLAP Lab Code 101048-0, NYS ELAP 10872



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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
99122-7 040911479-0007	ATTIC-SOUTH END WINDOW	Brown/White Non-Fibrous Heterogeneous		100% Matrix	None Detected
99122-8 040911479-0008	ATTIC-N.E. CORNER	Brown/White Fibrous Homogeneous	50% Min. Wool 50% Cellulose		None Detected
99122-9 040911479-0009	ATTIC-NORTH END CENTER	Brown/White Fibrous Heterogeneous	50% Cellulose 40% Min. Wool	10% Non-fibrous (other)	None Detected
99122-10 040911479-0010	BASEMENT - ROOM 002 ABOVE CEILING CHASE	White Fibrous Homogeneous	10% Cellulose	50% Matrix	40% Chrysotile
99122-11 040911479-0011	BASEMENT - ROOM 002 - CENTER	Brown/White Fibrous Heterogeneous	95% Cellulose	5% Matrix	None Detected
99122-12 040911479-0012	BASEMENT - ROOM 003 - WEST SIDE	Brown/White Fibrous Heterogeneous	95% Cellulose	5% Matrix	None Detected
99122-13A 040911479-0013	1ST FLOOR HALL BY ROOM 107 (ABOVE CEILING)	White Non-Fibrous Heterogeneous		100% Matrix	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
99122-13B 040911479-0014	1ST FLOOR HALL BY ROOM 107 (ABOVE CEILING)	Gray Non-Fibrous Homogeneous		100% Matrix	None Detected
99122-14 040911479-0015	1ST FLOOR HALL BY ROOM 107	Brown/White Fibrous Heterogeneous	45% Cellulose 35% Min. Wool	20% Matrix	None Detected
99122-15 040911479-0016	2ND FLOOR HALL BY ROOM 203	Brown/White Fibrous Heterogeneous	60% Cellulose 30% Min. Wool	10% Non-fibrous (other)	None Detected
99122-16 040911479-0017	1ST FLOOR STORAGE ROOM BY ROOM 106	Brown Fibrous Homogeneous	2% Cellulose	98% Matrix	None Detected
99122-17A 040911479-0018	2ND FLOOR- CONFERENCE ROOM-W. SIDE (ABOVE CEILING)	White/Cream Non-Fibrous Heterogeneous		100% Matrix	None Detected
99122-17B 040911479-0019	2ND FLOOR- CONFERENCE ROOM-W. SIDE (ABOVE CEILING)	Gray Fibrous Homogeneous	2% Cellulose	98% Matrix	None Detected

Analyst(s)

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
99122-18A 040911479-0020	2ND FLOOR - HALL BY ROOM 203 (ABOVE CEILING)	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
99122-18B 040911479-0021	2ND FLOOR - HALL BY ROOM 203 (ABOVE CEILING)	Tan Non-Fibrous Heterogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
99122-19A 040911479-0022	2ND FLOOR-COFFEE/BREAK ROOM (ABOVE LAYIN CEILING)	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
99122-19B 040911479-0023	2ND FLOOR-COFFEE/BREAK ROOM (ABOVE LAYIN CEILING)	Tan Fibrous Heterogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
99122-20 040911479-0024	2ND FLOOR - CONFERENCE ROOM - WEST SIDE	Brown/White Fibrous Heterogeneous	45% Cellulose 35% Min. Wool	20% Matrix	None Detected
99122-21 040911479-0025	2ND FLOOR - COFFEE/BREAK ROOM - CENTER	Tan/White Fibrous Heterogeneous	50% Cellulose 40% Min. Wool	10% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
99122-22-Skim Coat 040911479-0026	3RD FLOOR - STAIR LANDING - S. WALL (ABOVE CEILING)	White/Cream Non-Fibrous Heterogeneous		100% Matrix	None Detected
99122-22-Rough Coat 040911479-0026A	3RD FLOOR - STAIR LANDING - S. WALL (ABOVE CEILING)	Gray Non-Fibrous Homogeneous		100% Matrix	None Detected
99122-23-Skim Coat 040911479-0027	3RD FLOOR BATHROOM ENTRY (ABOVE LAYIN CEILING)	White/Cream Non-Fibrous Heterogeneous		100% Matrix	None Detected
99122-23-Rough Coat 040911479-0027A	3RD FLOOR BATHROOM ENTRY (ABOVE LAYIN CEILING)	Brown Non-Fibrous Homogeneous		100% Matrix	None Detected
99122-24 040911479-0028	1ST FLOOR - ROOM 109 RISER	White Fibrous Homogeneous	15% Synthetic 5% Glass	80% Matrix	None Detected

CERTIFICATION #PB017508

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EMSL Order: 040915518

Fax: Phone: (802) 888-1936
Project: **99122/WASSON HALL - WATERBURY STATE OFFICE**
COMPLEX - THROUGHOUT

EMSL Proj:
Analysis Date: 6/23/2009

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
99122-25 040915518-0001	PIPE LAGGING, WHITE BLOCK TYPE	White Non-Fibrous Heterogeneous	3% Min. Wool	97% Non-fibrous (other)	None Detected
99122-26 040915518-0002	PIPE LAGGING, WHITE BLOCK TYPE	White Fibrous Heterogeneous	3% Min. Wool 10% Synthetic	87% Non-fibrous (other)	None Detected
99122-27A 040915518-0003	GRAY FLOOR LEVELER / BLACK MASTIC	Gray Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
99122-27B 040915518-0004	GRAY FLOOR LEVELER / BLACK MASTIC	Black Fibrous Heterogeneous	30% Cellulose	70% Non-fibrous (other)	None Detected
99122-28A 040915518-0005	9"x9" BROWN VFT / WITH BURLAP BACKING	Brown Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
99122-28B 040915518-0006	9"x9" BROWN VFT / WITH BURLAP BACKING	Brown Fibrous Heterogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
99122-29A 040915518-0007	9"x9" DARK BROWN VFT / WITH TAR PAPER BACKING	Brown Non-Fibrous Heterogeneous		95% Non-fibrous (other)	5% Chrysotile

Report Amended: 6/24/2009 8:36:11 AM Replaces the Inital Report . Reason Code: Data Entry Error-Samples Removed

Analyst(s)

Will DiBella (10)

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.

Samples analyzed by EMSL Analytical, Inc. Westmont 107 Haddon Ave., Westmont NJ AIHA IHLAP 100194, NVLAP Lab Code 101048-0, NYS ELAP 10872



EMSL Analytical, Inc.
 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: 06/23/09 10:30 AM
 EMSL Order: 040915518

Fax: Phone: (802) 888-1936
 Project: **99122/WASSON HALL - WATERBURY STATE OFFICE**
COMPLEX - THROUGHOUT

EMSL Proj:
 Analysis Date: 6/23/2009

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
99122-29B <i>040915518-0008</i>	9"x9" DARK BROWN VFT / WITH TAR PAPER BACKING	Black Fibrous Heterogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
99122-30B <i>040915518-0010</i>	9"x9" LIGHTER BROWN VFT / WITH TAR PAPER BACKING	Black Fibrous Heterogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
99122-31 <i>040915518-0011</i>	BLACK FLOORING MASTIC	Black Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected

Cert.# PB018361

Report Amended: 6/24/2009 8:36:11 AM Replaces the Inital Report . Reason Code: Data Entry Error-Samples Removed

Analyst(s)

Will DiBella (10)

Stephen Siegel, CIH, Laboratory Manager
 or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Westmont 107 Haddon Ave., Westmont NJ AIHA IHLAP 100194, NVLAP Lab Code 101048-0, NYS ELAP 10872



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Attn: **R. Chris Crothers**
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24 Langdell Road
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Customer ID: CROT30
 Customer PO:
 Received: 06/23/09 10:30 AM
 EMSL Order: 040915518

Fax: Phone: (802) 888-1936
 Project: **99122/WASSON HALL - WATERBURY STATE OFFICE**
COMPLEX - THROUGHOUT

EMSL Proj:
 Analysis Date: 6/23/2009

Asbestos Analysis of Bulk Material via EPA 600/R-93/116. Quantitation using 400 Point Count Procedure.

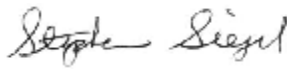
Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
99122-30A 040915518-0009	9"x9" LIGHTER BROWN VFT / WITH TAR PAPER	Brown Non-Fibrous Heterogeneous		100.00% Non-fibrous (other)	<0.25% Chrysotile

Cert.# PB018361

Report Amended: 6/24/2009 8:36:38 AM Replaces the Inital Report . Reason Code: Data Entry Error-Samples Added

Analyst(s)

 Will DiBella (1)



 Stephen Siegel, CIH, Laboratory Manager
 or other approved signatory

Disclaimer: Some samples may contain asbestos fibers present in dimensions below PLM resolution limits. The limit of detection as stated in the method is 0.25%. EMSL Analytical Inc suggests that samples reported as <0.25% or none detected undergo additional analysis via TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval of EMSL Analytical Inc. This test report must not be used by the client to claim product endorsement by NVLAP or any agency of the United States Government. EMSL Analytical Inc., bears no responsibility for sample collection activities, analytical method limitations, or the accuracy of results when requested to separate layered samples. EMSL Analytical Inc., liability is limited to the cost of sample analysis. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted.
 Samples analyzed by EMSL Analytical, Inc. Westmont 107 Haddon Ave., Westmont NJ NYS ELAP 10872



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24 Langdell Road
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Customer ID: CROT30
Customer PO:
Received: 05/07/09 11:39 AM
EMSL Order: 200906988

Fax: Phone: (802) 888-1936
Project: **99122L/ Wasson Hall-Waterbury State Office Complex**

EMSL Proj:

Lead in Paint Chips by Flame AAS (SW 846 3050B*/7420)

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
99122L-1 Exterior West Side, So.Window Window Casing/Wood	0001	5/5/2009	5/13/2009	15 % wt
99122L-2 Exterior West Side, So.Window Window Glazing	0002	5/5/2009	5/13/2009	0.19 % wt
99122L-3 Exterior West Side, So.Window Window Well/Wood	0003	5/5/2009	5/13/2009	29 % wt
99122L-4 Exterior West Side, So.Window Window Sash/Wood	0004	5/5/2009	5/13/2009	30 % wt
99122L-5 Ext West Side, Central Window Window Casing/Wood	0005	5/5/2009	5/13/2009	20 % wt
99122L-6 Ext West Side, Central Window Window Glazing	0006	5/5/2009	5/13/2009	5.6 % wt
99122L-7 Ext West Side, Central Window Window Well/Wood	0007	5/5/2009	5/13/2009	27 % wt
99122L-8 Ext West Side, Central Window Window Sash/Wood	0008	5/5/2009	5/13/2009	31 % wt
99122L-9 Basement Room 003-N.Wall Cinder block wall/CB	0009	5/5/2009	5/13/2009	0.14 % wt

Shannon Kauffman, Lead Lab Supervisor
or other approved signatory

Reporting limit is 0.01 % wt. The QC data associated with these sample results included in this report meet the method quality control requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities.

* slight modifications to methods applied Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted

ACCREDITATIONS: NJ-NELAP: 04653, AIHA Environmental Lead Laboratory Approval Program: 100194



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Fax: Phone: (802) 888-1936
Project: **99122L/ Wasson Hall-Waterbury State Office Complex**

EMSL Proj:

Lead in Paint Chips by Flame AAS (SW 846 3050B*/7420)

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
99122L-10 Basement Room 003 E.Wall Wall/ Concrete	0010	5/5/2009	5/13/2009	0.75 % wt
99122L-11 Basement Room 002-Center of Room/Floor/Concrete	0011	5/5/2009	5/13/2009	4.1 % wt

Shannon Kauffman, Lead Lab Supervisor
or other approved signatory

Reporting limit is 0.01 % wt. The QC data associated with these sample results included in this report meet the method quality control requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities.

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