

January 30, 2015

Robin M. Bennett  
Town of Brandon  
49 Center Street  
Brandon, VT 05733

Re: Inspection for Asbestos Containing Materials  
Municipal Structure, 49 Center Street, Brandon, Vermont  
CPAI Project #12679

Dear Ms. Bennett:

Enclosed is documentation related to professional asbestos inspection activities performed by Clay Point Associates, Inc. (CPAI) on October 22 & 30, 2014 and January 19, 2015 on/within the Municipal Structure at 49 Center Street, Brandon, Vermont. Inspection activities were performed prior to planned building renovation activities.

On the dates listed above, CPAI collected ninety-two (92) bulk samples of suspect asbestos containing materials. All bulk samples were submitted to a Vermont certified analytical service. Eighty-six bulk samples were analyzed by Polarized Light Microscopy (PLM), Visual Estimation Method, according to EPA Method 600/R-93/116. Identification of asbestos by PLM is based on optical crystallographic properties, and gives a qualitative differentiation between types of asbestos and other fibrous materials. It also allows for a quantitative estimate of percent asbestos using EPA approved methods. Six (6) bulk samples were not analyzed in accordance with our requested Stop Positive protocol.

The Bulk Sample Analysis Inventory (Table 1), Inventory of Confirmed/Assumed Asbestos Containing Materials (Table 2), analytical service bulk sample analysis report and CPAI/analytical service certification information are attached to this report.

Thank you for the opportunity to service your professional environmental management needs. If you have any questions concerning this report, please contact us at (802) 879-2600.

Sincerely,  
CLAY POINT ASSOCIATES, INC.

A handwritten signature in black ink, appearing to read 'Todd C. Hobson', with a long horizontal flourish extending to the right.

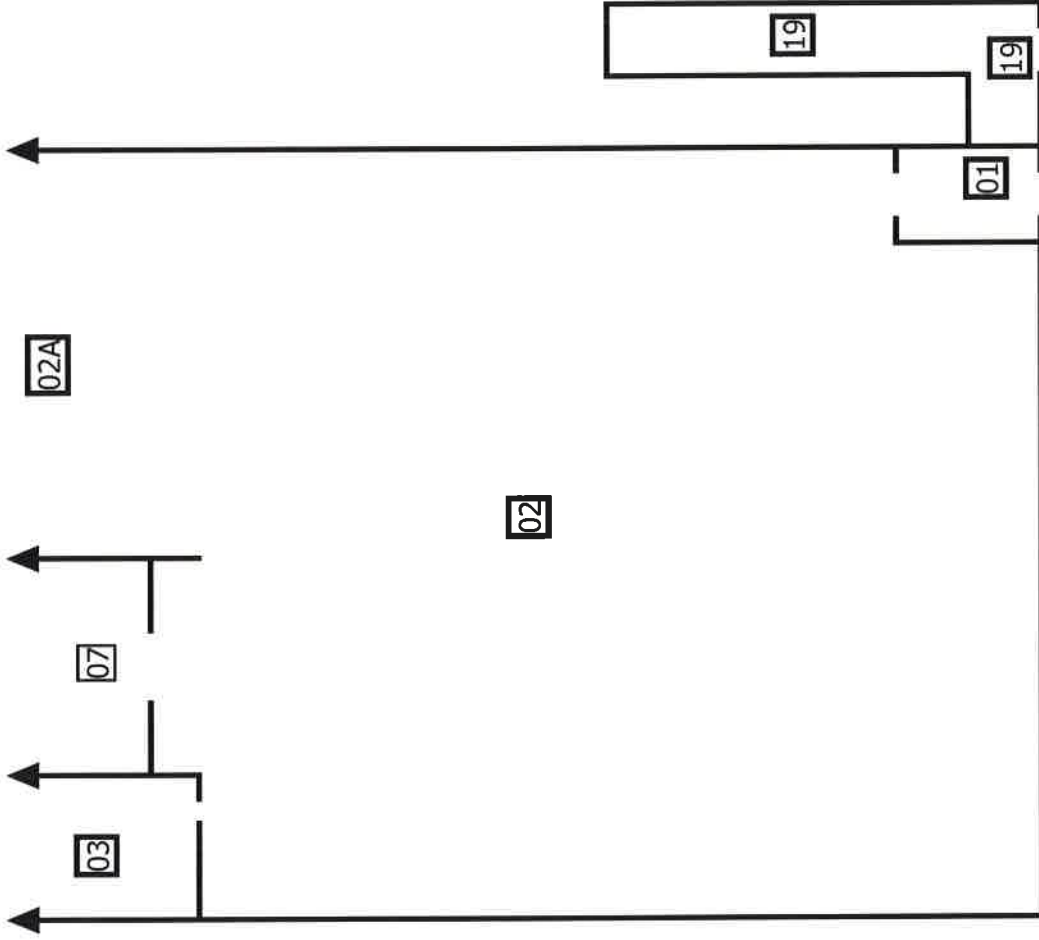
Todd C. Hobson  
President



First Level, South



Project North



**00** = CPAI Area Number

Clay Point Associates, Inc.  
Project #12679  
October 22 & 30, 2014

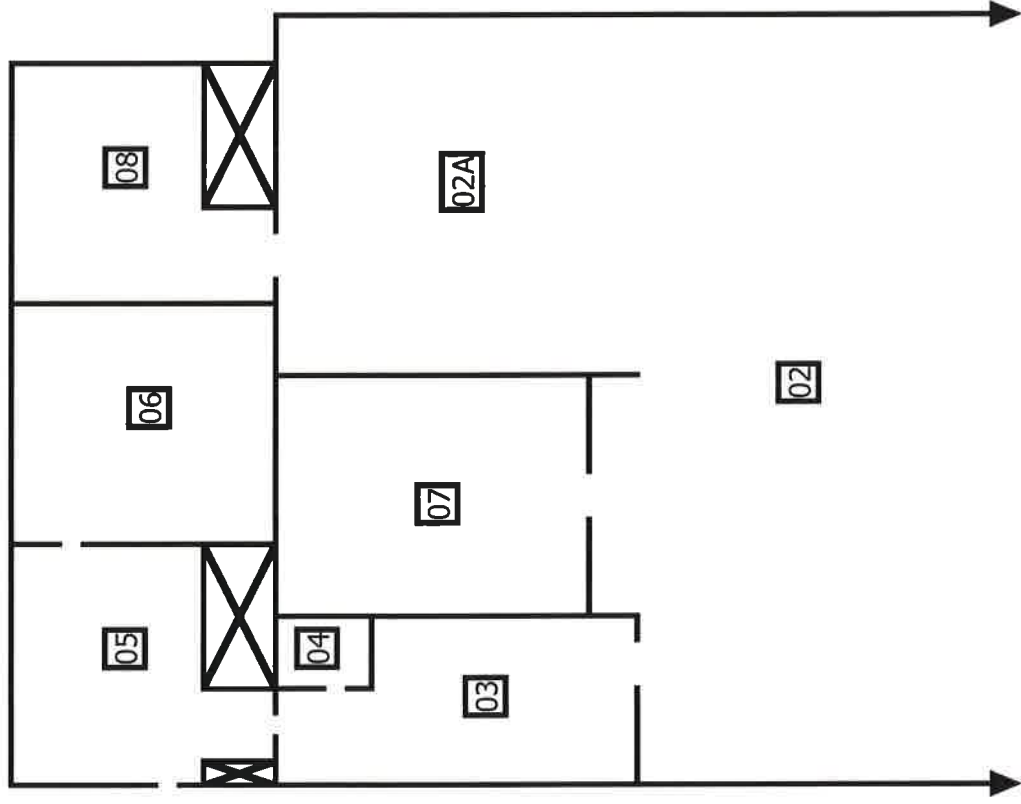
Municipal Structure  
49 Center Street  
Brandon, Vermont

Asbestos Inspection  
Not to Scale  
Drawn by: Todd Hobson

# First Level, North



Project North



**00** = CPAI Area Number

Clay Point Associates, Inc.  
Project #12679  
October 22 & 30, 2014

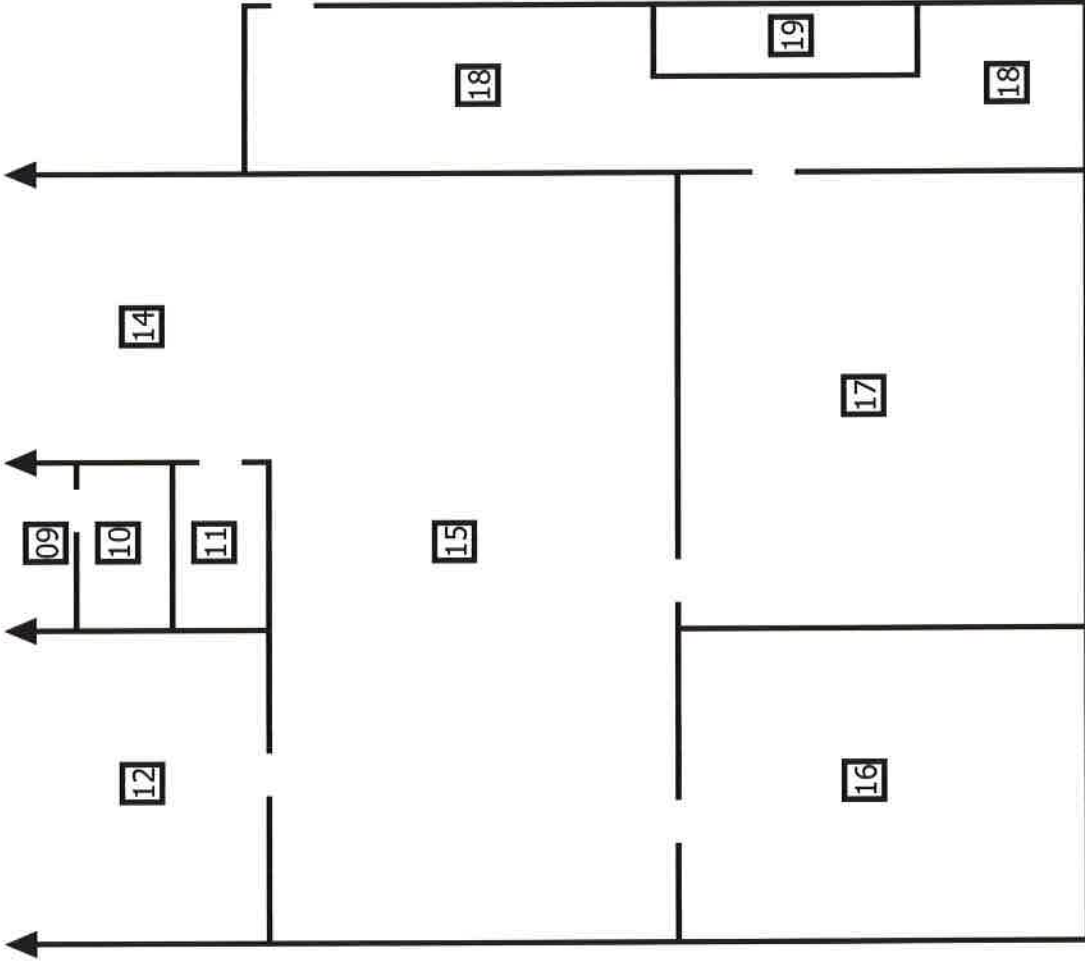
Municipal Structure  
49 Center Street  
Brandon, Vermont

Asbestos Inspection  
Not to Scale  
Drawn by: Todd Hobson

Second Level, South



Project North



00 = CPAI Area Number

Clay Point Associates, Inc.  
Project #12679  
October 22 & 30, 2014

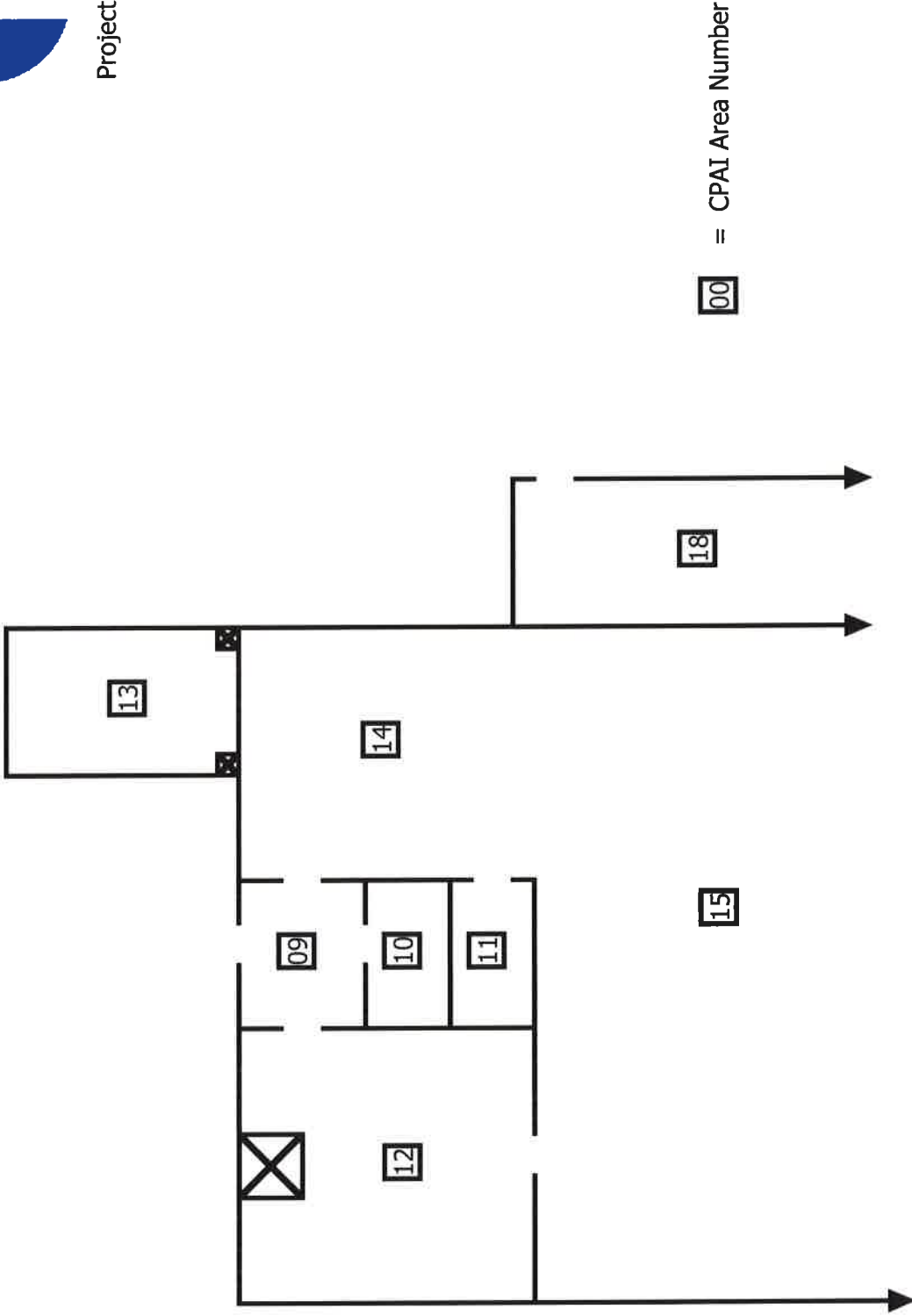
Municipal Structure  
49 Center Street  
Brandon, Vermont

Asbestos Inspection  
Not to Scale  
Drawn by: Todd Hobson

# Second Level, North



Project North



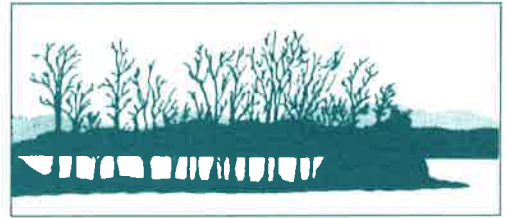
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Clay Point Associates, Inc.  
Project #12679  
October 22 & 30, 2014

Municipal Structure  
49 Center Street  
Brandon, Vermont

Asbestos Inspection  
Not to Scale  
Drawn by: Todd Hobson





**Table 1**  
**Bulk Sample Analysis Inventory**

Building/Addition: Municipal Building  
49 Center Street  
Brandon, Vermont

Homogeneous Area	Sample No.	Date Collected	Lab I.D. No.	Sample Location	PLM Result
Wall & Ceiling Plaster	10221412679.25	10/22/14	1410635-016	CPAI Area #02, on westernmost wall, 18 ft. 4 in. from south wall, 5 ft. 10 in. from floor.	ND
	10221412679.15	10/22/14	1410635-017	CPAI Area #02, on wall jut east of vault, 16 ft. 3 in. from northernmost wall, 16 ft. 10 in. from easternmost wall, 9 in. from floor.	ND
	10221412679.24	10/22/14	1410635-018	CPAI Area #02, on west wall, 3 ft. 11 in. from south wall, 1 ft. 6 in. from floor.	ND
	10221412679.42	10/22/14	1410635-019	CPAI Area #02, on ceiling, 20 ft. 4 in. from southernmost wall, 5 ft. 6 in. from westernmost wall.	ND
	10221412679.29	10/22/14	1410635-020	CPAI Area #15, on north wall, 15 ft. 1 in. from west wall, 2 ft. 9 in. from floor.	ND
	10221412679.30	10/22/14	1410635-021	CPAI Area #14, on ceiling, 15 ft. 10 in. from north wall, 4 ft. 9 in. from west wall.	ND
	10221412679.41	10/22/14	1410635-022	CPAI Area #17, on ceiling, 9 ft. 6 in. from south wall, 11 ft. 5 in. from east wall.	ND



**Table 1  
Bulk Sample Analysis Inventory**

Building/Addition: Municipal Building  
49 Center Street  
Brandon, Vermont

Homogeneous Area	Sample No.	Date Collected	Lab I.D. No.	Sample Location	PLM Result
Wall Plaster	10221412679.16	10/22/14	1410635-011	CPAI Area #02, from west side of counter, 18 ft. 6 in. from southernmost wall, 10 ft. 7 in. from easternmost wall, 2 ft. 11 in. from floor.	ND
	10221412679.23	10/22/14	1410635-012	CPAI Area #02, from west side of counter, 25 ft. 11 in. from southernmost wall, 10 ft. 7 in. from easternmost wall, 2 ft. 11 in. from floor.	ND
	10221412679.17	10/22/14	1410635-013	CPAI Area #02, from northernmost side of counter, 26 ft. 10 in. from southernmost wall, 10 ft. 4 in. from easternmost wall, 2 ft. 10 in. from floor.	ND
Textured Ceiling Material	10221412679.38	10/22/14	1410635-046	CPAI Area #17, on ceiling, 9 ft. 3 in. from south wall, 11 ft. 10 in. from east wall.	ND
	10221412679.39	10/22/14	1410635-047	CPAI Area #16, on ceiling, 3 in. from south wall, 3 ft. 7 in. from east wall.	ND
	10221412679.27	10/22/14	1410635-048	CPAI Area #15, on ceiling, 8 ft. 2 in. from south wall, 16 ft. 11 in. from west wall.	ND
	10221412679.59	10/22/14	1410635-049	CPAI Area #12, on ceiling, 8 ft. 1 in. from north wall, 2 ft. 3 in. from west wall.	ND
	10221412679.60	10/22/14	1410635-050	CPAI Area #09, on ceiling, 1 ft. 4 in. from north wall, 3 ft. 3 in. from west wall.	ND

**Table 1  
Bulk Sample Analysis Inventory**

Building/Addition:					Municipal Building 49 Center Street Brandon, Vermont
Homogeneous Area	Sample No.	Date Collected	Lab I.D. No.	Sample Location	PLM Result
Joint Compound, Patch #1	10221412679.10	10/22/14	1410635-003	CPAI Area #02, on easternmost wall, 6 ft. 3 in. from south wall, 3 ft. 7 in. from floor.	3% Chrys.
	10221412679.43	10/22/14	1410635-004	CPAI Area #02, on easternmost wall, 8 ft. 10 in. from south wall, 3 ft. 7 in. from floor.	n/a
Joint Compound, Patch #2	10221412679.48	10/22/14	1410635-061	CPAI Area #13, on east wall, 2 ft. 8 in. from south wall, 4 ft. 1 in. from floor.	ND
	10221412679.50	10/22/14	1410635-062	CPAI Area #13, on north wall, 4 in. from west wall, 5 ft. 1 in. from floor.	ND
Joint Compound, assoc. w/ Sheet Rock	10221412679.34	10/22/14	1410635-042	CPAI Area #08, on south wall, 5 ft. 1 in. from east wall, 4 ft. 3 in. from floor.	ND
	10221412679.36	10/22/14	1410635-043	CPAI Area #08, on north wall, 1 in. from east wall, 3 ft. 10 in. from floor.	ND
Sheet Rock	10221412679.33	10/22/14	1410635-040	CPAI Area #08, on west wall, 3 ft. 1 in. from north wall, 4 ft. 10 in. from floor.	ND
	10221412679.35	10/22/14	1410635-041	CPAI Area #08, on south wall, 1 ft. 7 in. from east wall, 4 ft. 6 in. from floor.	ND
Ceiling Tile, 1' x 2'	10221412679.08	10/22/14	1410635-001	CPAI Area #02, 11 ft. from southernmost wall, 6 ft. 4 in. from easternmost wall.	ND
	10221412679.09	10/22/14	1410635-002	CPAI Area #02, 5 ft. from southernmost wall, 6 ft. 2 in. from westernmost wall.	ND

**Table 1  
Bulk Sample Analysis Inventory**

Building/Addition: Municipal Building  
Bureau 49 Center Street  
Brandon, Vermont

Homogeneous Area	Sample No.	Date Collected	Lab I.D. No.	Sample Location	PLM Result
Composition Board #1	10221412679.40	10/22/14	1410635-035	CPAI Area #02, on north wall, 2 ft. 6 in. from west wall, 3 ft. 3 in. from floor.	ND
	10221412679.32	10/22/14	1410635-034	CPAI Area #02, on north wall, 2 ft. 6 in. from west wall, 5 ft. 6 in. from floor.	ND
Composition Board #2	10301412679.78	10/22/14	1410635-086	CPAI Area #19, Lower Landing, on south wall, 1 ft. from east wall, 4 ft. 1 in. from floor.	ND
	10301412679.79	10/22/14	1410635-087	CPAI Area #19, Lower Landing, on south wall, 1 ft. from west wall, 3 ft. 8 in. from floor.	ND
Hardboard	10221412679.26	10/22/14	1410635-036	CPAI Area #05, on door at south wall, from upper west corner.	35% Chrys. 5% Amosite
	10221412679.45	10/22/14	1410635-0	CPAI Area #05, on door at south wall, from lower west corner.	n/a
Vinyl Floor Tile, 12" x 12", olive w/ black & white streaks	10221412679.04	10/22/14	1410635-023	CPAI Area #02A, 15 ft. 7 in. from north wall, 7 ft. 11 in. from east wall.	ND
	10221412679.14	10/22/14	1410635-024	CPAI Area #02A, 6 ft. from north wall, 3 ft. 8 in. from east wall.	ND
	10221412679.13	10/22/14	1410635-025	CPAI Area #02A, 3 ft. 6 in. from north wall, 3 ft. 4 in. from west wall.	ND

**Table 1  
Bulk Sample Analysis Inventory**

Building/Addition: Municipal Building  
49 Center Street  
Brandon, Vermont

Homogeneous Area	Sample No.	Date Collected	Lab I.D. No.	Sample Location	PLM Result
Adhesive assoc. w/ Vinyl Floor Tile, 12" x 12", olive w/ black & white streaks	10221412679.04A	10/22/14	1410635-026	CPAI Area #02A, 15 ft. 7 in. from north wall, 7 ft. 11 in. from east wall.	ND
	10221412679.14A	10/22/14	1410635-027	CPAI Area #02A, 6 ft. from north wall, 3 ft. 8 in. from east wall.	ND
	10221412679.13A	10/22/14	1410635-028	CPAI Area #02A, 3 ft. 6 in. from north wall, 3 ft. 4 in. from west wall.	ND
Felt Paper #2	10221412679.03	10/22/14	1410635-031	CPAI Area #02A, 3 ft. 3 in. from north wall, 3 ft. 5 in. from west wall (under Vinyl Floor Tile, 12" x 12", olive w/ black & white streaks).	ND
	10221412679.02	10/22/14	1410635-032	CPAI Area #02A, 5 ft. 11 in. from north wall, 5 ft. 2 in. from east wall (under Vinyl Floor Tile, 12" x 12", olive w/ black & white streaks).	ND
	10221412679.12	10/22/14	1410635-033	CPAI Area #02A, 15 ft. 8 in. from north wall, 8 ft. 2 in. from east wall (under Vinyl Floor Tile, 12" x 12", olive w/ black & white streaks).	ND
Vinyl Floor Tile, 12" x 12", white w/ grey markings	10221412679.49	10/22/14	1410635-051	CPAI Area #14, 3 ft. 4 in. from north wall, 8 ft. 3 in. from east wall.	ND
	10221412679.52	10/22/14	1410635-052	CPAI Area #14, 15 ft. 9 in. from north wall, 7 ft. 7 in. from east wall.	ND
	10221412679.46	10/22/14	1410635-053	CPAI Area #15, 7 ft. 8 in. from south wall, 9 ft. 3 in. from east wall.	ND

**Table 1  
Bulk Sample Analysis Inventory**

Building/Addition: Municipal Building  
49 Center Street  
Brandon, Vermont

Homogeneous Area	Sample No.	Date Collected	Lab I.D. No.	Sample Location	PLM Result
Adhesive, assoc. w/ Vinyl Floor Tile, 12" x 12", white w/ grey markings	10221412679.49A	10/22/14	1410635-054	CPAI Area #14, 3 ft. 4 in. from north wall, 8 ft. 3 in. from east wall.	ND
	10221412679.52A	10/22/14	1410635-055	CPAI Area #14, 15 ft. 9 in. from north wall, 7 ft. 7 in. from east wall.	ND
	10221412679.46A	10/22/14	1410635-056	CPAI Area #15, 7 ft. 8 in. from south wall, 9 ft. 3 in. from east wall.	ND
Vinyl Floor Tile, 12" x 12", red (textured)	10221412679.47	10/22/14	1410635-057	CPAI Area #10, 1 in. from north wall, 2 ft. 11 in. from west wall.	5% Chrys.
	10221412679.51	10/22/14	1410635-058	CPAI Area #10, 2 ft. 4 in. from north wall, 1 in. from east wall.	n/a
Adhesive, assoc. w/ Vinyl Floor Tile, 12" x 12", red (textured)	10221412679.47A	10/22/14	1410635-059	CPAI Area #10, 1 in. from north wall, 2 ft. 11 in. from west wall.	ND
	10221412679.51A	10/22/14	1410635-060	CPAI Area #10, 2 ft. 4 in. from north wall, 1 in. from east wall.	ND
Terrazzo Flooring Material	10221412679.22	10/22/14	1410635-005	CPAI Area #02, 11 ft. 1 in. from southernmost wall, 14 ft. 3 in. from easternmost wall.	ND
	10221412679.06	10/22/14	1410635-006	CPAI Area #02, 11 ft. 3 in. from southernmost wall, 16 ft. 7 in. from easternmost wall.	ND
Carpet Adhesive	10221412679.53	10/22/14	1410635-063	CPAI Area #15, 5 ft. from north wall, 12 ft. 9 in. from west wall.	ND
	10221412679.54	10/22/14	1410635-064	CPAI Area #16, 2 in. from north wall, 12 ft. 9 in. from west wall.	ND
	10221412679.55	10/22/14	1410635-065	CPAI Area #12, 6 ft. 2 in. from north wall, 2 in. from east wall.	ND

**Table 1  
Bulk Sample Analysis Inventory**

Building/Addition: Municipal Building  
49 Center Street  
Brandon, Vermont

Homogeneous Area	Sample No.	Date Collected	Lab I.D. No.	Sample Location	PLM Result
Construction Adhesive, tan	10221412679.07	10/22/14	1410635-007	CPAI Area #02, on floor (hardwood), 11 ft. 10 in. from southernmost wall, 13 ft. 2 in. from easternmost wall.	ND
	10221412679.21	10/22/14	1410635-008	CPAI Area #02, on floor (hardwood), 11 ft. 6 in. from southernmost wall, 16 ft. 4 in. from easternmost wall.	ND
Floor Adhesive, tan	10221412679.19	10/22/14	1410635-029	CPAI Area #02A, 15 ft. 2 in. from north wall, 2 ft. 9 in. from west wall.	ND
	10221412679.01	10/22/14	1410635-030	CPAI Area #02A, 11 ft. 1 in. from north wall, 2 ft. 10 in. from west wall.	ND
Floor Leveling Material, tan	10221412679.18	10/22/14	1410635-014	CPAI Area #02, 31 ft. 5 in. from southernmost wall, 11 ft. 10 in. from easternmost wall (on concrete).	ND
	10221412679.05	10/22/14	1410635-015	CPAI Area #02, 3 ft. 6 in. from northernmost wall, 8 ft. 7 in. from westernmost wall (on concrete).	ND
Felt Paper #1	10221412679.11	10/22/14	1410635-009	CPAI Area #02, on floor (hardwood), 14 ft. 6 in. from southernmost wall, 12 ft. 9 in. from easternmost wall.	ND
	10221412679.20	10/22/14	1410635-010	CPAI Area #02, on floor (hardwood), 13 ft. 2 in. from southernmost wall, 16 ft. 5 in. from easternmost wall.	ND

**Table 1  
Bulk Sample Analysis Inventory**

Building/Addition: Municipal Building  
49 Center Street  
Brandon, Vermont

Homogeneous Area	Sample No.	Date Collected	Lab I.D. No.	Sample Location	PLM Result
Grout & Adhesive, assoc. w/ marble panels	10221412679.31	10/22/14	1410635-044	CPAI Area #02, on southernmost wall, 6 ft. 2 in. from east wall, 11 in. from floor.	ND
	10221412679.24	10/22/14	1410635-045	CPAI Area #02A, from loose piece leaning on west wall.	ND
Mudded Material, assoc. w/ boiler exhaust breeching	10221412679.37	10/22/14	1410635-038	CPAI Area #05, on south wall, 1 ft. 9 in. from east wall, 8 ft. 1 in. from floor.	2% Chrys.
	10221412679.28	10/22/14	1410635-039	CPAI Area #05, on south wall, 2 ft. 6 in. from east wall, 8 ft. 2 in. from floor.	n/a
Window Glazing	10221412679.57	10/22/14	1410635-066	Exterior, East Elevation, Second Floor, 3 <sup>rd</sup> window from north (assoc. w/ CPAI Area #14, south window).	ND
	10221412679.56	10/22/14	1410635-067	Exterior, West Elevation, Second Floor, 4 <sup>th</sup> window from north (assoc. w/ CPAI Area #15, middle window).	ND
	10221412679.58	10/22/14	1410635-068	Exterior, South Elevation, Second Floor, 2 <sup>nd</sup> window from west (assoc. w/ CPAI Area #17, westernmost window).	ND
Window Glazing, assoc. w/ large sashes	10301412679.62	10/22/14	1410635-072	Exterior, South Elevation, First Floor, westernmost window, bottom of sash.	< 1% Chrys.
	10301412679.66	10/22/14	1410635-073	Exterior, South Elevation, First Floor, center window, bottom of sash.	ND
	01191512679-84	01/19/15	1511174-001	Exterior, South Elevation, First Floor, easternmost window, bottom of sash.	2% Chrys.

**Table 1  
Bulk Sample Analysis Inventory**

Building/Addition: Municipal Building  
49 Center Street  
Brandon, Vermont

Homogeneous Area	Sample No.	Date Collected	Lab I.D. No.	Sample Location	PLM Result
Window Glazing, assoc. w/ 4 pane windows	10301412679.70	10/22/14	1410635-074	Exterior, West Elevation, First fFloor, northernmost large window, lower south sash.	2% Chrys.
	10301412679.67	10/22/14	1410635-075	Exterior, West Elevation, First Floor, 3 <sup>rd</sup> window from north, large window, lower north sash.	n/a
Window Glazing, assoc. w/ semi circular window	10301412679.74	10/22/14	1410635-082	Exterior, North Elevation, window over door, west section.	ND
	10301412679.75	10/22/14	1410635-083	Exterior, North Elevation, window over door, east section.	ND
Window Glazing, assoc. w/ Basement type window	10301412679.76	10/22/14	1410635-084	Exterior, North Elevation, from window at west side, upper section of sash.	2% Chrys.
	10301412679.77	10/22/14	1410635-085	Exterior, North Elevation, from window at west side, lower section of sash.	n/a
Window Glazing, assoc. w/ 5 pane window over door	10301412679.82	10/22/14	1410635-090	Exterior, South Elevation, from window above easternmost doors (assoc. w/ CPAI Area #19), 2 <sup>nd</sup> pane from east, upper edge.	ND
	10301412679.83	10/22/14	1410635-091	Exterior, South Elevation, from window above easternmost doors (assoc. w/ CPAI Area #19), 2 <sup>nd</sup> pane from east, west edge.	ND



**Table 1  
Bulk Sample Analysis Inventory**

Building/Addition: Municipal Building  
49 Center Street  
Brandon, Vermont

Homogeneous Area	Sample No.	Date Collected	Lab I.D. No.	Sample Location	PLM Result
Caulking Material, assoc. w/ window openings	10301412679.63	10/22/14	1410635-069	Exterior, South Elevation, First Floor, easternmost window, west edge, at junction w/ window assembly & brick.	ND
	10301412679.64	10/22/14	1410635-070	Exterior, West Elevation, First Floor, southernmost window, south edge, at junction w/ window assembly & brick.	ND
	10301412679.65	10/22/14	1410635-071	Exterior, West Elevation, First Floor, northernmost large window, north edge, at junction w/ window assembly & brick.	ND
Caulking Material, assoc. w/ window sash, white	10301412679.61	10/22/14	1410635-076	Exterior, South Elevation, First Floor, easternmost window, west edge, at junction w/ sash and trim.	ND
	10301412679.69	10/22/14	1410635-077	Exterior, West Elevation, First Floor, 3 <sup>rd</sup> window from south, north edge, at junction w/ sash and trim.	ND
	10301412679.68	10/22/14	1410635-078	Exterior, West Elevation, First Floor, 2 <sup>nd</sup> window from south, south edge, at junction w/ sash and trim.	ND
Caulking, assoc. w/ double doors	10301412679.80	10/22/14	1410635-088	Exterior, South Elevation, easternmost doors (assoc. w/ CPAI Area #19), west edge, at junction of door jamb & trim.	ND
	10301412679.81	10/22/14	1410635-089	Exterior, South Elevation, easternmost doors (assoc. w/ CPAI Area #19), east edge, at junction of door jamb & trim.	ND

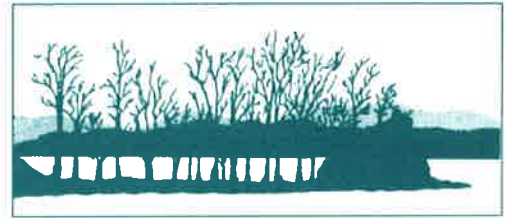
**Table 1**  
**Bulk Sample Analysis Inventory**

Building/Addition:	Municipal Building 49 Center Street Brandon, Vermont
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Homogeneous Area	Sample No.	Date Collected	Lab I.D. No.	Sample Location	PLM Result
Concrete Skim Coat	10301412679.71	10/22/14	1410635-079	Exterior, West Elevation, south section, near ground.	ND
	10301412679.72	10/22/14	1410635-080	Exterior, West Elevation, center section, near ground.	ND
	10301412679.73	10/22/14	1410635-081	Exterior, West Elevation, south section, near ground.	ND

PLM = Polarized Light Microscopy  
 ND = None Detected (Asbestos)  
 Chrys. = Chrysotile Asbestos  
 Amosite = Amosite Asbestos  
 n/a = sample not analyzed, analysis stopped at 1<sup>st</sup> positive result





**Table 2  
Inventory of Confirmed/Assumed Asbestos Containing Materials**

Building/Addition:		Municipal Building 49 Center Street Brandon, Vermont	
CPAI Area No.	Homogeneous Material	Approx. Quantity	General Location
02 (First Floor, Main Room)	Joint Compound, Patch #1	5 sq. ft.	On easternmost wall, south section. Patched just above the chair rail between the front door and the service counter.
05 (First Floor, Boiler Room)	Mudded Material, associated with boiler exhaust breeching	1 sq. ft.	On chimney at south wall, east section.
	Hardboard	16 sq. ft.	On door at south wall.
10 (Second Floor, North Bathroom)	Vinyl Floor Tile, 12" x 12", red	32 sq. ft.	On floor throughout area.
All Interior Areas	Thermal System Insulation	Unquant.	Currently inaccessible wall and ceiling cavities were not accessed by CPAI. The building is old and likely had a steam heating system at some time in the past. Therefore, it is possible that old piping with asbestos insulation is present within currently inaccessible wall/ceiling cavities, etc.

**Table 2  
Inventory of Confirmed/Assumed Asbestos Containing Materials**

Building/Addition: Municipal Building  
49 Center Street  
Brandon, Vermont

CPAI Area No.	Homogeneous Material	Approx. Quantity	General Location
02 (First Floor, Main Room)	Joint Compound, Patch #1	5 sq. ft.	On easternmost wall, south section. Patched just above the chair rail between the front door and the service counter.
05 (First Floor, Boiler Room)	Mudded Material, associated with boiler exhaust breeching  Hardboard	1 sq. ft.  16 sq. ft.	On chimney at south wall, east section.  On door at south wall.
10 (Second Floor, North Bathroom)	Vinyl Floor Tile, 12" x 12", red	32 sq. ft.	On floor throughout area.



# OPTIMUM

Analytical and Consulting, LLC

85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

**CLIENT:** Clay Point Associates, Inc.  
**ADDRESS:** P.O. Box 1254  
**CITY / STATE / ZIP:** Williston VT 05495  
**CONTACT:** Todd Hobson  
**DESCRIPTION:** PLM Analysis  
**LOCATION:** CPAI Proj. #12679

## BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

PLM (EPA-600/M4-82-020, EPA-600/ R-93-116) NVLAP Lab Code: 101433-0

**ORDER #:** 1410635  
**PROJECT #:** 12679  
**DATE COLLECTED:** 10/22/2014  
**COLLECTED BY:** Client  
**DATE RECEIVED:** 11/03/2014  
**ANALYSIS DATE:** 11/06/2014  
**REPORT DATE:** 11/06/2014  
**ANALYST:** Jamie Noel

### REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
1410635-001 10221412679.08	Bulk Material, White/Brown	LAYER 1 100%	None Detected	Cellulose Fiber 99% Binder/Filler 1%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-002 10221412679.09	Bulk Material, White/Brown	LAYER 1 100%	None Detected	Cellulose Fiber 99% Binder/Filler 1%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-003 10221412679.10	Bulk Material, White	LAYER 1 100%	Chrysotile 3%	Cellulose Fiber 1% Binder/Filler 96%
<b>Total % Asbestos:</b>			3.0%	<b>Total % Non-Asbestos:</b> 97.0%
1410635-004 10221412679.43	Bulk Material, White Note: Positive Stop	LAYER 1 100%		
1410635-005 10221412679.22	Bulk Material, Gray/Blue	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-006 10221412679.06	Bulk Material, Gray/Blue	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-007 10221412679.07	Bulk Material, Gray/Blue	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-008 10221412679.21	Bulk Material, Gray/Blue	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%



# OPTIMUM

Analytical and Consulting, LLC

85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

**CLIENT:** Clay Point Associates, Inc.  
**ADDRESS:** P.O. Box 1254  
**CITY / STATE / ZIP:** Williston VT 05495  
**CONTACT:** Todd Hobson  
**DESCRIPTION:** PLM Analysis  
**LOCATION:** CPAI Proj. #12679

## BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

PLM (EPA-600/M4-82-020, EPA-600/ R-93-116) NVLAP Lab Code: 101433-0

**ORDER #:** 1410635  
**PROJECT #:** 12679  
**DATE COLLECTED:** 10/22/2014  
**COLLECTED BY:** Client  
**DATE RECEIVED:** 11/03/2014  
**ANALYSIS DATE:** 11/06/2014  
**REPORT DATE:** 11/06/2014  
**ANALYST:** Jamie Noel

### REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
1410635-009 10221412679.11	Bulk Material, Black/Gray	LAYER 1 100%	None Detected	Cellulose Fiber 85% Binder/Filler 15%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-010 10221412679.20	Bulk Material, Black/Gray	LAYER 1 100%	None Detected	Cellulose Fiber 85% Binder/Filler 15%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-011 10221412679.16	Bulk Material, White	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-012 10221412679.23	Bulk Material, White	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-013 10221412679.17	Bulk Material, White	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-014 10221412679.18	Bulk Material, White/Tan	LAYER 1 100%	None Detected	Cellulose Fiber 2% Binder/Filler 98%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-015 10221412679.05	Bulk Material, White/Tan	LAYER 1 100%	None Detected	Cellulose Fiber 2% Binder/Filler 98%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%





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### REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
1410635-016 10221412679.25	LAYER 1 Bulk Material, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 2% Binder/Filler 98%
	LAYER 2 Bulk Material, White	LAYER 2 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-017 10221412679.15	LAYER 1 Bulk Material, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 2% Binder/Filler 98%
	LAYER 2 Bulk Material, White	LAYER 2 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-018 10221412679.24	LAYER 1 Bulk Material, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 2% Binder/Filler 98%
	LAYER 2 Bulk Material, White	LAYER 2 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-019 10221412679.42	LAYER 1 Bulk Material, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 2% Binder/Filler 98%
	LAYER 2 Bulk Material, White	LAYER 2 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-020 10221412679.29	LAYER 1 Bulk Material, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 2% Binder/Filler 98%
	LAYER 2 Bulk Material, White	LAYER 2 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%





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### REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
1410635-021 10221412679.30	LAYER 1 Bulk Material, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 2% Binder/Filler 98%
	LAYER 2 Bulk Material, White	LAYER 2 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-022 10221412679.41	LAYER 1 Bulk Material, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 2% Binder/Filler 98%
	LAYER 2 Bulk Material, White	LAYER 2 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-023 10221412679.04	Tile, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-024 10221412679.14	Tile, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-025 10221412679.13	Tile, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-026 10221412679.04A	Adhesive, Tan/Black	LAYER 1 100%	None Detected	Cellulose Fiber 2% Binder/Filler 98%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-027 10221412679.14A	Adhesive, Tan/Black	LAYER 1 100%	None Detected	Cellulose Fiber 2% Binder/Filler 98%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%



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### REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
1410635-028 10221412679.13A	Adhesive, Tan/Black	LAYER 1 100%	None Detected	Cellulose Fiber 2% Binder/Filler 98%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-029 10221412679.19	Bulk Material, Tan	LAYER 1 100%	None Detected	Cellulose Fiber 2% Binder/Filler 98%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-030 10221412679.01	Bulk Material, Tan	LAYER 1 100%	None Detected	Cellulose Fiber 2% Binder/Filler 98%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-031 10221412679.03	Bulk Material, Black	LAYER 1 100%	None Detected	Cellulose Fiber 80% Binder/Filler 20%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-032 10221412679.02	Bulk Material, Black	LAYER 1 100%	None Detected	Cellulose Fiber 80% Binder/Filler 20%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-033 10221412679.12	Bulk Material, Black	LAYER 1 100%	None Detected	Cellulose Fiber 80% Binder/Filler 20%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-034 10221412679.32	Bulk Material, White/Brown	LAYER 1 100%	None Detected	Cellulose Fiber 95% Binder/Filler 5%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-035 10221412679.40	Bulk Material, White/Brown	LAYER 1 100%	None Detected	Cellulose Fiber 95% Binder/Filler 5%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%



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### REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
1410635-036 10221412679.26	Bulk Material, Gray	LAYER 1 100%	Chrysotile Amosite	35% 5%	Cellulose Fiber Binder/Filler	5% 55%
<b>Total % Asbestos:</b>				40.0%	<b>Total % Non-Asbestos:</b> 60.0%	
1410635-037 10221412679.45	Bulk Material, Gray Note: Positive Stop	LAYER 1 100%				
1410635-038 10221412679.37	Bulk Material, Gray	LAYER 1 100%	Chrysotile	2%	Cellulose Fiber Binder/Filler	1% 97%
<b>Total % Asbestos:</b>				2.0%	<b>Total % Non-Asbestos:</b> 98.0%	
1410635-039 10221412679.28	Bulk Material, Gray Note: Positive Stop	LAYER 1 100%				
1410635-040 10221412679.33	Bulk Material, White/Brown	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	10% 90%
<b>Total % Asbestos:</b>				No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%	
1410635-041 10221412679.35	Bulk Material, White/Brown	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	10% 90%
<b>Total % Asbestos:</b>				No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%	
1410635-042 10221412679.34	Bulk Material, White	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
<b>Total % Asbestos:</b>				No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%	
1410635-043 10221412679.36	Bulk Material, White	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
<b>Total % Asbestos:</b>				No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%	



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PLM (EPA-600/M4-82-020, EPA-600/ R-93-116) NVLAP Lab Code: 101433-0

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### REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
1410635-044 10221412679.31	Bulk Material, White	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
		<b>Total % Asbestos:</b>	No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-045 10221412679.24	Bulk Material, White	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
		<b>Total % Asbestos:</b>	No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-046 10221412679.38	Bulk Material, White/Beige	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
		<b>Total % Asbestos:</b>	No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-047 10221412679.39	Bulk Material, White/Beige	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
		<b>Total % Asbestos:</b>	No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-048 10221412679.27	Bulk Material, White/Beige	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
		<b>Total % Asbestos:</b>	No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-049 10221412679.59	Bulk Material, White/Beige	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
		<b>Total % Asbestos:</b>	No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-050 10221412679.60	Bulk Material, White/Beige	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
		<b>Total % Asbestos:</b>	No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-051 10221412679.49	Tile, White	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
		<b>Total % Asbestos:</b>	No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%



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### REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
1410635-052 10221412679.52	Tile, White	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
		<b>Total % Asbestos:</b>	No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-053 10221412679.46	Tile, White	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
		<b>Total % Asbestos:</b>	No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-054 10221412679.49A	Adhesive, Tan	LAYER 1 100%	None Detected	Cellulose Fiber 3% Binder/Filler 97%
		<b>Total % Asbestos:</b>	No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-055 10221412679.52A	Adhesive, Tan	LAYER 1 100%	None Detected	Cellulose Fiber 3% Binder/Filler 97%
		<b>Total % Asbestos:</b>	No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-056 10221412679.46A	Adhesive, Tan	LAYER 1 100%	None Detected	Cellulose Fiber 3% Binder/Filler 97%
		<b>Total % Asbestos:</b>	No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-057 10221412679.47	Tile, Red	LAYER 1 100%	Chrysotile 5%	Cellulose Fiber 1% Binder/Filler 94%
		<b>Total % Asbestos:</b>	5.0%	<b>Total % Non-Asbestos:</b> 95.0%
1410635-058 10221412679.51	Tile, Red Note: Positive Stop	LAYER 1 100%		
1410635-059 10221412679.47A	Adhesive, Tan	LAYER 1 100%	None Detected	Cellulose Fiber 2% Binder/Filler 98%
		<b>Total % Asbestos:</b>	No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%



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### REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
1410635-060 10221412679.51A	Adhesive, Tan	LAYER 1 100%	None Detected	Cellulose Fiber 2% Binder/Filler 98%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-061 10221412679.48	Bulk Material, White	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-062 10221412679.50	Bulk Material, White	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-063 10221412679.53	Bulk Material, Yellow	LAYER 1 100%	None Detected	Cellulose Fiber 3% Binder/Filler 97%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-064 10221412679.54	Bulk Material, Yellow	LAYER 1 100%	None Detected	Cellulose Fiber 3% Binder/Filler 97%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-065 10221412679.55	Bulk Material, Yellow	LAYER 1 100%	None Detected	Cellulose Fiber 3% Binder/Filler 97%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-066 10221412679.57	Bulk Material, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-067 10221412679.56	Bulk Material, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%





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**DESCRIPTION:** PLM Analysis  
**LOCATION:** CPAI Proj. #12679

## BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

PLM (EPA-600/M4-82-020, EPA-600/R-93-116) NVLAP Lab Code: 101433-0

**ORDER #:** 1410635  
**PROJECT #:** 12679  
**DATE COLLECTED:** 10/22/2014  
**COLLECTED BY:** Client  
**DATE RECEIVED:** 11/03/2014  
**ANALYSIS DATE:** 11/06/2014  
**REPORT DATE:** 11/06/2014  
**ANALYST:** Jamie Noel

### REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
1410635-068 10221412679.58	Bulk Material, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-069 10301412679.63	Bulk Material, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-070 10301412679.64	Bulk Material, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-071 10301412679.65	Bulk Material, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-072 10301412679.62	Bulk Material, Gray	LAYER 1 100%	Chrysotile <1%	Cellulose Fiber 1% Binder/Filler >98%
<b>Total % Asbestos:</b>			<1%	<b>Total % Non-Asbestos:</b> 100.0%
1410635-073 10301412679.66	Bulk Material, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-074 10301412679.70	Bulk Material, Gray	LAYER 1 100%	Chrysotile 2%	Cellulose Fiber 1% Binder/Filler 97%
<b>Total % Asbestos:</b>			2.0%	<b>Total % Non-Asbestos:</b> 98.0%
1410635-075 10301412679.67	Bulk Material, Gray Note: Positive Stop	LAYER 1 100%		



# OPTIMUM

Analytical and Consulting, LLC

85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

**CLIENT:** Clay Point Associates, Inc.  
**ADDRESS:** P.O. Box 1254  
**CITY / STATE / ZIP:** Williston VT 05495  
**CONTACT:** Todd Hobson  
**DESCRIPTION:** PLM Analysis  
**LOCATION:** CPAI Proj. #12679

## BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

PLM (EPA-600/M4-82-020, EPA-600/ R-93-116) NVLAP Lab Code: 101433-0

**ORDER #:** 1410635  
**PROJECT #:** 12679  
**DATE COLLECTED:** 10/22/2014  
**COLLECTED BY:** Client  
**DATE RECEIVED:** 11/03/2014  
**ANALYSIS DATE:** 11/06/2014  
**REPORT DATE:** 11/06/2014  
**ANALYST:** Jamie Noel

### REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
1410635-076 10301412679.61	Bulk Material, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-077 10301412679.69	Bulk Material, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-078 10301412679.68	Bulk Material, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-079 10301412679.71	Bulk Material, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-080 10301412679.72	Bulk Material, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-081 10301412679.73	Bulk Material, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-082 10301412679.74	Bulk Material, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%
1410635-083 10301412679.75	Bulk Material, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Binder/Filler 99%
<b>Total % Asbestos:</b>			No Asbestos Detected	<b>Total % Non-Asbestos:</b> 100.0%





# OPTIMUM

Analytical and Consulting, LLC

85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

## BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

PLM (EPA-600/M4-82-020, EPA-600/ R-93-116) NVLAP Lab Code: 101433-0

**CLIENT:** Clay Point Associates, Inc.  
**ADDRESS:** P.O. Box 1254  
**CITY / STATE / ZIP:** Williston VT 05495  
**CONTACT:** Todd Hobson  
**DESCRIPTION:** PLM Analysis  
**LOCATION:** CPAI Proj. #12679

**ORDER #:** 1410635  
**PROJECT #:** 12679  
**DATE COLLECTED:** 10/22/2014  
**COLLECTED BY:** Client  
**DATE RECEIVED:** 11/03/2014  
**ANALYSIS DATE:** 11/06/2014  
**REPORT DATE:** 11/06/2014  
**ANALYST:** Jamie Noel

### REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
1410635-084 10301412679.76	Bulk Material, Gray	LAYER 1 100%	Chrysotile	2%	Cellulose Fiber Binder/Filler	1% 97%
<b>Total % Asbestos:</b>				2.0%	<b>Total % Non-Asbestos: 98.0%</b>	
1410635-085 10301412679.77	Bulk Material, Gray Note: Positive Stop	LAYER 1 100%				
1410635-086 10301412679.78	Bulk Material, Brown/White	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	98% 2%
<b>Total % Asbestos:</b>				No Asbestos Detected	<b>Total % Non-Asbestos: 100.0%</b>	
1410635-087 10301412679.79	Bulk Material, Brown/White	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	98% 2%
<b>Total % Asbestos:</b>				No Asbestos Detected	<b>Total % Non-Asbestos: 100.0%</b>	
1410635-088 10301412679.80	Bulk Material, Gray/Tan	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	3% 97%
<b>Total % Asbestos:</b>				No Asbestos Detected	<b>Total % Non-Asbestos: 100.0%</b>	
1410635-089 10301412679.81	Bulk Material, Gray/Tan	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	3% 97%
<b>Total % Asbestos:</b>				No Asbestos Detected	<b>Total % Non-Asbestos: 100.0%</b>	
1410635-090 10301412679.82	Bulk Material, Tan	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
<b>Total % Asbestos:</b>				No Asbestos Detected	<b>Total % Non-Asbestos: 100.0%</b>	
1410635-091 10301412679.83	Bulk Material, Tan	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
<b>Total % Asbestos:</b>				No Asbestos Detected	<b>Total % Non-Asbestos: 100.0%</b>	



# OPTIMUM

Analytical and Consulting, LLC

85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

**CLIENT:** Clay Point Associates, Inc.  
**ADDRESS:** P.O. Box 1254  
**CITY / STATE / ZIP:** Williston VT 05495  
**CONTACT:** Todd Hobson  
**DESCRIPTION:** PLM Analysis  
**LOCATION:** CPAI Proj. #12679

## BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

PLM (EPA-600/M4-82-020, EPA-600/ R-93-116) NVLAP Lab Code: 101433-0

**ORDER #:** 1410635  
**PROJECT #:** 12679  
**DATE COLLECTED:** 10/22/2014  
**COLLECTED BY:** Client  
**DATE RECEIVED:** 11/03/2014  
**ANALYSIS DATE:** 11/06/2014  
**REPORT DATE:** 11/06/2014  
**ANALYST:** Jamie Noel

### REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
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Approved Signatory: \_\_\_\_\_

Approved Signatory: \_\_\_\_\_





# OPTIMUM

Analytical and Consulting, LLC

85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

**CLIENT:** Clay Point Associates, Inc.  
**ADDRESS:** P.O. Box 1254  
**CITY / STATE / ZIP:** Williston VT 05495  
**CONTACT:** Todd Hobson  
**DESCRIPTION:** PLM Analysis  
**LOCATION:** CPAI Project Number: 12679

## BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

PLM (EPA-600/M4-82-020, EPA-600/ R-93-116) NVLAP Lab Code: 101433-0

**ORDER #:** 1511174  
**PROJECT #:** 12679  
**DATE COLLECTED:** 01/19/2015  
**COLLECTED BY:**  
**DATE RECEIVED:** 01/20/2014  
**ANALYSIS DATE:** 01/23/2015  
**REPORT DATE:** 01/23/2015  
**ANALYST:** Jamie Noel

### REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
1511174-001 01191512679.84	Bulk Material, Gray	LAYER 1 100%	Chrysotile	2%	Cellulose Fiber Binder/Filler	1% 97%
<b>Total % Asbestos:</b>				<b>2.0%</b>	<b>Total % Non-Asbestos: 98.0%</b>	

Approved Signatory:

Approved Signatory:



**ASBESTOS CONSULTING ENTITY**

CLAY POINT ASSOCIATES INC.  
P.O. BOX 1254  
WILLISTON, VT 05495-1254

Vermont Department of Health  
Environmental Health  
P.O. Box 70 - Drawer 30  
Burlington, VT 05402-0070

LICENSE: CE998564

EXPIRES: Monday, April 06, 2015

CERTIFICATE OF LICENSE  
VERMONT ASBESTOS REGULATORY PROGRAM

THIS CERTIFICATE SHALL REMAIN IN FORCE UNTIL THE EXPIRATION DATE UNLESS REVOKED  
OR VOIDED BEFORE THAT TIME.  
THIS CERTIFICATE IS NOT TRANSFERABLE AND IS VALID ONLY FOR THE ABOVE PARTY.

COPY OF THIS CERTIFICATE MUST BE ON SITE AT ALL TIMES.

A handwritten signature in black ink, appearing to be 'M. B.', is located on the right side of the certificate. The signature is stylized and somewhat illegible.

ASBESTOS INSPECTOR/MANAGEMENT PLANNER

TODD C. HOBSON  
117 OSGOOD HILL ROAD  
ESSEX, VT 05452

Vermont Department of Health  
Environmental Health  
P.O. Box 70 - Drawer 30  
Burlington, VT 05402-0070

LICENSE: MP732966

EXPIRES: Friday, January 09, 2015

CERTIFICATE OF LICENSE  
VERMONT ASBESTOS REGULATORY PROGRAM

THIS CERTIFICATE SHALL REMAIN IN FORCE UNTIL THE EXPIRATION DATE UNLESS REVOKED OR VOIDED BEFORE THAT TIME. THIS CERTIFICATE IS NOT TRANSFERABLE AND IS VALID ONLY FOR THE ABOVE PARTY.

COPY OF THIS CERTIFICATE AND PHOTO ID CARD MUST BE ON SITE AT ALL TIMES.



ASBESTOS PROJECT DESIGNER

TODD C. HOBSON  
117 OSGOOD HILL ROAD  
ESSEX, VT 05452

Vermont Department of Health  
Environmental Health  
P.O. Box 70 - Drawer 30  
Burlington, VT 05402-0070

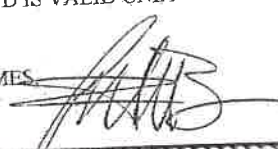
LICENSE: PD732966

EXPIRES: Friday, January 09, 2015

CERTIFICATE OF LICENSE  
VERMONT ASBESTOS REGULATORY PROGRAM

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ASBESTOS PROJECT MONITOR

TODD C. HOBSON  
117 OSGOOD HILL ROAD  
ESSEX, VT 05452

Vermont Department of Health  
Environmental Health  
P.O. Box 70 - Drawer 30  
Burlington, VT 05402-0070

LICENSE: PM732966

EXPIRES: Sunday, March 01, 2015

CERTIFICATE OF LICENSE  
VERMONT ASBESTOS REGULATORY PROGRAM

THIS CERTIFICATE SHALL REMAIN IN FORCE UNTIL THE EXPIRATION DATE UNLESS REVOKED OR VOIDED BEFORE THAT TIME. THIS CERTIFICATE IS NOT TRANSFERABLE AND IS VALID ONLY FOR THE ABOVE PARTY.

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ASBESTOS SITE INSPECTOR

KARI A. PARITZ  
86 LAWRENCE FARM ROAD  
MORRISTOWN, VT 05661

Vermont Department of Health  
Environmental Health  
P.O. Box 70 - Drawer 30  
Burlington, VT 05402-0070

LICENSE: AI332658

EXPIRES: Friday, October 23, 2015

CERTIFICATE OF LICENSE  
VERMONT ASBESTOS REGULATORY PROGRAM

THIS CERTIFICATE SHALL REMAIN IN FORCE UNTIL THE EXPIRATION DATE UNLESS REVOKED  
OR VOIDED BEFORE THAT TIME. THIS CERTIFICATE IS NOT TRANSFERABLE AND IS VALID ONLY  
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**ASBESTOS ANALYTICAL SERVICES**

OPTIMUM ANALYTICAL AND CONSULTING, LLC  
85 STILES ROAD, STE. 201  
SALEM, NH 03078

Vermont Department of Health  
Environmental Health  
P.O. Box 70 - Drawer 30  
Burlington, VT 05402-0070

LICENSE: AL143503

EXPIRES: Friday, May 15, 2015

CERTIFICATE OF LICENSE  
VERMONT ASBESTOS REGULATORY PROGRAM

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OR VOIDED BEFORE THAT TIME.  
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COPY OF THIS CERTIFICATE MUST BE ON SITE AT ALL TIMES.

AIR ANALYSIS BY PCM

BULK ANALYSIS BY PLM



ASBESTOS PCM ANALYST

JAMIE L. NOEL  
4 EDGEWOOD LANE  
RAYMOND, NH 03077

Vermont Department of Health  
Environmental Health  
P.O. Box 70 - Drawer 30  
Burlington, VT 05402-0070

LICENSE: PA307779

EXPIRES: Thursday, February 05, 2015

CERTIFICATE OF LICENSE  
VERMONT ASBESTOS REGULATORY PROGRAM

THIS CERTIFICATE SHALL REMAIN IN FORCE UNTIL THE EXPIRATION DATE UNLESS REVOKED OR VOIDED BEFORE THAT TIME. THIS CERTIFICATE IS NOT TRANSFERABLE AND IS VALID ONLY FOR THE ABOVE PARTY.

COPY OF THIS CERTIFICATE AND PHOTO ID CARD MUST BE ON SITE AT ALL TIMES.

ASBESTOS PLM ANALYST

JAMIE L. NOEL  
4 EDGEWOOD LANE  
RAYMOND, NH 03077

Vermont Department of Health  
Environmental Health  
P.O. Box 70 - Drawer 30  
Burlington, VT 05402-0070

LICENSE: PB053007

EXPIRES: Thursday, February 05, 2015

CERTIFICATE OF LICENSE  
VERMONT ASBESTOS REGULATORY PROGRAM

THIS CERTIFICATE SHALL REMAIN IN FORCE UNTIL THE EXPIRATION DATE UNLESS REVOKED OR VOIDED BEFORE THAT TIME. THIS CERTIFICATE IS NOT TRANSFERABLE AND IS VALID ONLY FOR THE ABOVE PARTY.

COPY OF THIS CERTIFICATE AND PHOTO ID CARD MUST BE ON SITE AT ALL TIMES.

VERMONT DEPARTMENT OF HEALTH  
Asbestos & Lead Regulatory Program

Asbestos Pcm Analyst  
*Not a Legal Form of ID*

JAMIE L. NOEL

Eff. Date 01/31/14  
Exp. Date 02/05/15



CONES  
PA307779

VT

Renewal

VERMONT DEPARTMENT OF HEALTH  
Asbestos & Lead Regulatory Program

Asbestos Plm Analyst  
*Not a Legal Form of ID*

JAMIE L. NOEL

Eff. Date 01/31/14  
Exp. Date 02/05/15



CONES  
PB053007

VT

Renewal

