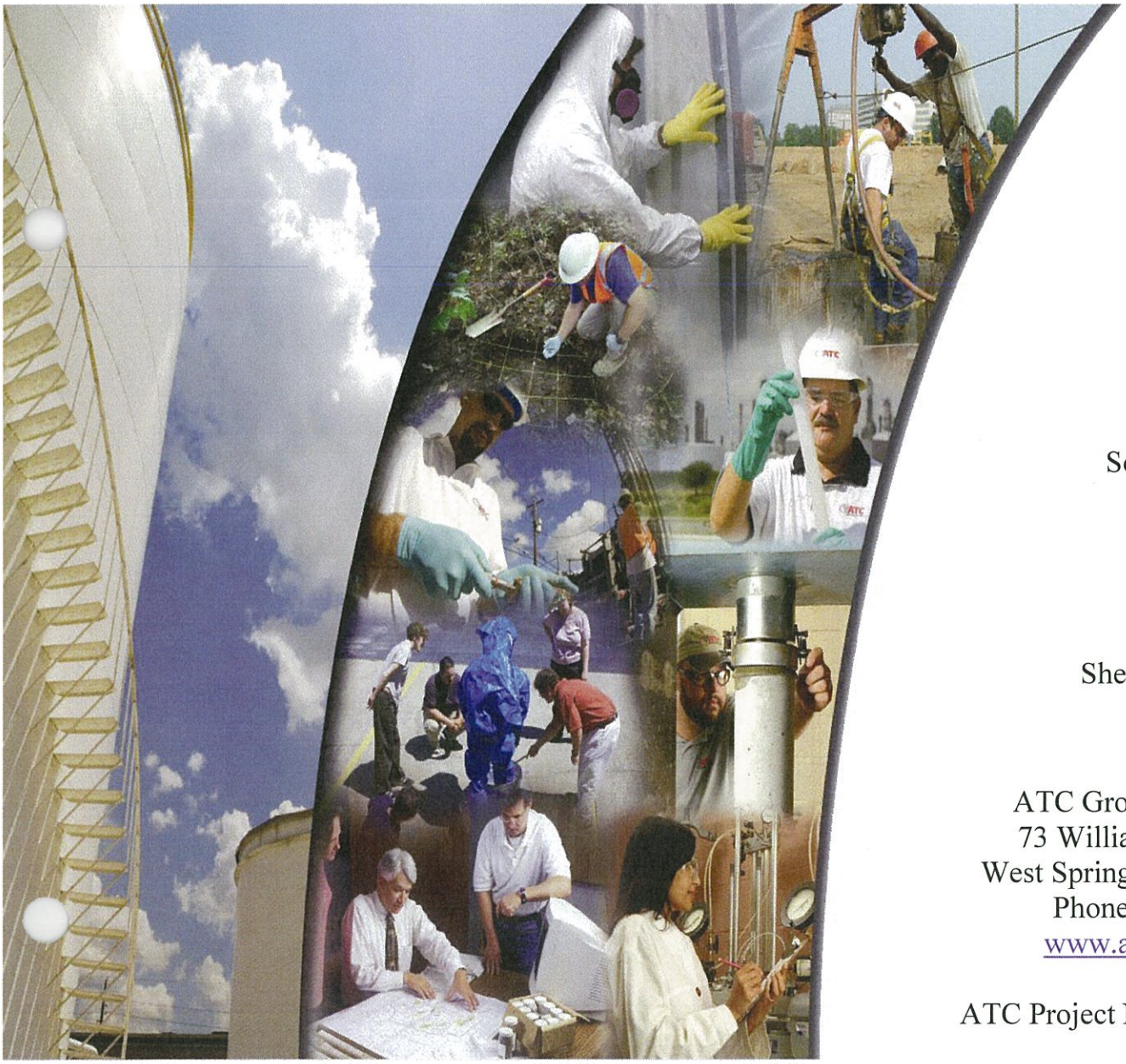
ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

LIMITED LEAD PAINT DETERMINATION REPORT

South Egremont School
42 Main Street, South
Egremont, Massachusetts
October 25, 2018



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ATC Project No. 183RS18036

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A ..... ***SUMMARY OF LEAD DETERMINATION RESULTS***

1.0 SITE INSPECTION SUMMARY

SITE: South Egremont
School
42 Main Street,
South Egremont, MA
01258

CLIENT: Southern Berkshire Regional School District
P.O. Box 339
491 Berkshire School Rd.
Sheffield, MA 01257

The enclosed Lead Determination Report was performed and prepared by ATC Group Services LLC. A limited Lead Determination of the above referenced structure was performed on September 12, 2018. The primary lead inspector for this project was Mr. Steve Dolinski, a Massachusetts licensed Lead Inspector.

Steve Dolinski
Massachusetts Lead Inspector # I 3171

The Report was reviewed and approved by:

Brian Williams
Branch Manager

2.0 SITE DESCRIPTION

The structure at 42 Main Street, South Egremont, Massachusetts is a two room schoolhouse. It is a wood framed building with a masonry foundation. Interior finishes include plaster, sheetrock and various floor sheeting materials.

3.0 LEAD-BASED PAINT DETERMINATION

ATC Group Services performed a limited lead determination of painted, stained or varnished components located in the interior and exterior of the above referenced building. Outlined below is a description of ATC Group Services testing methodology.

3.1 TESTING PROTOCOL

All testing was performed utilizing a portable X-Ray Fluorescent (XRF) Analyzer. For the purpose of reporting, the building was divided into "testing combinations". Testing combinations are defined as types of painted building components which appear uniform in paint color and architectural feature. This was not a comprehensive lead paint inspection and therefore cannot be utilized to obtain a letter of lead paint compliance per MA Department of Public Health regulations.

3.2 XRF ANALYSIS

A Heuresis Corp. model Pb200i spectrum analyzer lead detector was used for all on-site XRF testing. The instrument adjusts the length of each reading based upon the substrate, until a 95% confidence level is achieved. All personnel who operated the portable XRF analyzer were trained by the manufacturer in safety measures and testing protocols. In accordance with the Occupational Safety and Health Administration (OSHA) 29 CFR 1926.62 Regulations, an XRF can determine the presence of lead, however, not the absence of lead.

4.0 FINDINGS

Lead-containing materials were detected in several material applications randomly tested throughout the above mentioned areas. Refer to the following Attachments for a summary of each material tested, location and abatement cost estimates and analytical results:

Summary of Lead Paint Determination ***Refer to Attachment A***

5.0 CONCLUSIONS

The following response actions are required to be implemented as part of the renovation/demolition project:

A. All demolition work, which disturbs lead-containing materials, will be subject to OSHA 29 CFR 1926.62 "Lead in Construction Regulations". Under OSHA, the employer is responsible for protection of their employees when performing renovation and/or demolition work which disturbs lead materials. Compliance shall include written programs, medical monitoring, exposure assessment testing and engineering controls. All lead waste generated shall be disposed of in accordance with EPA (RCRA), state and local requirements.

B. Some XRF readings were at or above 1.0 mg/cm^2 (defined at Lead Based Paint) therefore the MA Division of Occupational Safety regulation 454 CMR 22.00: Deleading and Lead-Safe Renovation Regulations need to be followed for the disturbance of these Lead Based Paint coated surfaces in any areas considered to be child occupied. The definition of child-occupied per 454 CMR 22.00 is as follows:
A building or a portion of a building, constructed prior to 1978 and visited by the same child of less than six years of age on at least two different days within any week (Sunday through Saturday), provided that each day's visit lasts at least three hours and the combined weekly visits last at least six hours, and the combined annual visits last at least 60 hours. Child-occupied facilities may be located in target housing or in public or commercial buildings. With respect to common areas in public or commercial buildings that contain child-occupied facilities, the child-occupied facility encompasses those common areas that are routinely used by children under the age of six. With respect to the exteriors of buildings that contain child-occupied facilities, the child-occupied facility encompasses only the exterior sides of the building that are immediately adjacent to the child-occupied facility.

C. If there will be children under the age of 6 in the building, ATC recommends that a MA Licensed Lead-Safe Renovator (RRP Contractor) be hired to make all of the damaged Lead Based Paint intact prior to building occupancy. If there is concern about lead dust on the interior of the building caused by prior lead paint disturbance, ATC could collect dust wipes on interior horizontal surfaces such as floors and window sills. The dust wipes would be analyzed for lead concentration and compared to the MA CLPPP standard for post Deleading dust wipes prior to occupancy in residential dwellings.

Attachment A

Lead Paint Determination Table

Lead Paint Determination Summary South Egremont School 42 Main Street, South Egremont, MA				
Sample No.	**Location**	**Testing Combination**	**XRF Results (mg/cm^2)**	**Notes**
1	Classroom	White Wood Upper Wall	0.1	Good
2	Classroom	White Wood Lower Wall	4.4	Good
3	Classroom	Yellow Wood Chair Rail	12.0	Fair
4	Classroom	Yellow Wood Baseboard	0.4	Fair
5	Classroom	Yellow Wood Bulletin Board Frame	0.1	Good
6	Classroom	Yellow Wood Chalk Board Frame	0.2	Good
7	Classroom	Yellow Wood Old Chalk Board Tray	3.2	Good
8	Classroom	Yellow Wood Newer Chalk Board Tray	0.1	Good
9	Classroom	White Wood Upper Wall Trim	0.1	Good
10	Classroom	Yellow Wood Window Sill	5.0	Fair
11	Classroom	Yellow Wood Window Casing	13.7	Fair
12	Classroom	White Wood Window Interior Stops	0.4	Good
13	Classroom	White Wood Window Header Stops	0.6	Good
14	Classroom	White Wood Door	0.2	Good
15	Classroom	White Wood Door Casing	0.0	Good
16	Classroom	White Wood Door Jamb	-0.1	Good
17	Classroom	Yellow Wood Door Casing	0.4	Fair
18	Classroom	Yellow Wood Door Jamb	0.3	Fair
19	Office	White Wood Upper Wall	0.1	Good

Lead Paint Determination Summary South Egremont School 42 Main Street, South Egremont, MA				
Sample No.	**Location**	**Testing Combination**	**XRF Results (mg/cm^2)**	**Notes**
20	Office	White Wood Lower Wall	5.6	Fair
21	Office	Yellow Wood Chair Rail	4.9	Fair
22	Office	Yellow Wood Baseboard	0.2	Fair
23	Office	Yellow Wood Door	0.1	Fair
24	Office	Yellow Wood Door Casing	0.1	Fair
25	Office	Yellow Wood Door Jamb	0.1	Fair
26	Office	Off-White Wood Shelves	0.1	Good
27	Office	Yellow Wood Window Sill	12.7	Fair
28	Office	Yellow Wood Window Casing	13.7	Fair
29	Office	White Wood Window Interior Stop	0.0	Good
30	Office	White Wood Window Header Stop	0.4	Good
31	Office	White Wood Upper Wall Trim	0.0	Good
32	Kitchen	Brown Wood Grain Wall Paneling	0.0	Good
33	Kitchen	Yellow Wood Chalk Board Frame	0.1	Good
34	Kitchen	Yellow Wood Bulletin Board Frame	0.0	Good
35	Kitchen	Yellow Wood Old Chalk Board Tray	6.7	Fair
36	Kitchen	Yellow Wood Old Bulletin Board Tray	8.1	Fair
37	Kitchen	Yellow Wood Baseboard	0.1	Fair

Lead Paint Determination Summary South Egremont School 42 Main Street, South Egremont, MA				
Sample No.	**Location**	**Testing Combination**	**XRF Results (mg/cm^2)**	**Notes**
38	Kitchen	Yellow Wood Door	0.0	Fair
39	Kitchen	Yellow Wood Door Casing	0.0	Fair
40	Kitchen	Yellow Wood Door Jamb	0.0	Fair
41	Kitchen	Yellow Wood Transom	-0.1	Good
42	Kitchen	Yellow Wood Window Sill	12.0	Fair
43	Kitchen	Yellow Wood Window Casing	9.7	Fair
44	Kitchen	White Wood Window Interior Stop	0.2	Good
45	Kitchen	White Wood Window Header Stop	0.2	Good
46	Kitchen	White Wood Threshold	-0.3	Fair
47	Kitchen	Yellow Metal Lower Cabinet Frame	0.0	Fair
48	Kitchen	Yellow Metal Lower Cabinet Door	0.1	Fair
49	Kitchen	Yellow Metal Lower Cabinet Drawer	0.0	Fair
50	Kitchen	White Metal Lower Cabinet Wall	0.1	Fair
51	Kitchen	White Metal Lower Cabinet Shelf	0.0	Fair
52	Kitchen	Yellow Wood Shelves	0.0	Fair
53	Kitchen	Yellow Wood Shelf Supports	0.1	Fair
54	Hall to Kitchen	Brown Wood Grain Wall Paneling	0.0	Good
55	Hall to Kitchen	Yellow Wood Baseboard	-0.1	Fair

Lead Paint Determination Summary South Egremont School 42 Main Street, South Egremont, MA				
Sample No.	**Location**	**Testing Combination**	**XRF Results (mg/cm^2)**	**Notes**
56	Hall to Kitchen	Yellow Wood Door	0.1	Fair
57	Hall to Kitchen	Yellow Wood Door Casing	0.2	Fair
58	Hall to Kitchen	Yellow Wood Door Jamb	0.1	Fair
59	Hall to Kitchen	Tan Wood Shelf	0.2	Good
60	Hall to Kitchen	Tan Wood Shelf Support	0.1	Good
61	Furnace Room	White Sheetrock Wall	0.0	Good
62	Furnace Room	White Sheetrock Wallboard	0.2	Good
63	Hall to Restrooms	Brown Wood Grained Wall Paneling	0.0	Good
64	Hall to Restrooms	White Wood Wall	0.1	Good
65	Hall to Restrooms	Off-White Wood Baseboard	-0.2	Fair
66	Hall to Restrooms	Off-White Wood Coat Hanger Boards	0.0	Fair
67	Hall to Restrooms	White Sheetrock Ceiling	0.1	Fair
68	Hall to Restrooms	Off-White Wood Small Window Casings	-0.1	Fair
69	Hall to Restrooms	White Wood Window Sill	0.0	Good
70	Hall to Restrooms	Off-White Wood Window Apron	0.0	Fair
71	Hall to Restrooms	Off-White Wood Window Casing	0.0	Fair
72	Hall to Restrooms	White Wood Window Header Stop	-0.1	Good
73	Hall to Restrooms	White Wood Window Interior Stop	-0.1	Good

Lead Paint Determination Summary South Egremont School 42 Main Street, South Egremont, MA				
Sample No.	**Location**	**Testing Combination**	**XRF Results (mg/cm^2)**	**Notes**
74	Hall to Restrooms	White Wood Door	0.0	Good
75	Hall to Restrooms	White Wood Door Casing	0.1	Good
76	Hall to Restrooms	White Wood Door Jamb	0.0	Good
77	Hall to Restrooms	Yellow Wood Door	0.0	Fair
78	Hall to Restrooms	Yellow Wood Door Casing	0.1	Fair
79	Hall to Restrooms	Yellow Wood Door Jamb	0.1	Fair
80	Girl's Restroom	Purple Wood Wall	0.1	Good
81	Girl's Restroom	Purple Wood Baseboard	-0.4	Fair
82	Girl's Restroom	White Sheetrock Ceiling	-0.1	Fair
83	Girl's Restroom	White Wood Upper Trim	-0.1	Fair
84	Girl's Restroom	Purple Wood Door	0.1	Fair
85	Girl's Restroom	Purple Wood Door Casing	-0.1	Fair
86	Girl's Restroom	Off-White Wood Door Jamb	0.0	Fair
87	Boy's Restroom	White Sheetrock Ceiling	0.0	Good
88	Boy's Restroom	White Wood Upper Trim	-0.3	Good
89	Boy's Restroom	White Wood Ceiling Access Trim	0.1	Good
90	Boy's Restroom	Blue Wood Wall	0.2	Good
91	Boy's Restroom	Blue Wood Baseboard	0.3	Good
92	Boy's Restroom	Off-White Wood Door	0.1	Good
93	Boy's Restroom	Off-White Wood Door Casing	-0.1	Good
94	Boy's Restroom	Off-White Wood Door Jamb	-0.1	Good

Lead Paint Determination Summary South Egremont School 42 Main Street, South Egremont, MA				
Sample No.	**Location**	**Testing Combination**	**XRF Results (mg/cm^2)**	**Notes**
95	"A" Porch	Red Wood Door	-0.2	Good
96	"A" Porch	White Wood Door Casing	0.0	Fair
97	"A" Porch	White Wood Door Jamb	-0.2	Fair
98	"A" Porch	White Wood Siding	1.3	Poor
99	"A" Porch	White Wood Newel Post	-0.2	Good
100	"A" Porch	White Wood Top Rail	-0.2	Good
101	"A" Porch	Black Metal Hand Rail	-0.1	Good
102	"A" Porch	White Wood Baluster	0.0	Good
103	"A" Porch	White Wood Lower Rail	0.1	Good
104	"A" Porch	Brown Stained Wood Porch Floor	-0.2	Good
105	"A" Porch	Brown Stained Wood Stair Tread	-0.1	Good
106	"A" Porch	Brown Stained Wood Stair Riser	0.3	Good
107	"B" Porch	Red Wood Door	0.3	Good
108	"B" Porch	White Wood Door Casing	0.6	Good
109	"B" Porch	White Wood Door Jamb	0.5	Good
110	"B" Porch	White Wood Siding	20.7	Poor
111	"B" Porch	White Wood Newel Post	-0.1	Good
112	"B" Porch	Black Metal Hand Rail	0.0	Good
113	"B" Porch	Brown Stained Wood Porch Floor	0.0	Good

Lead Paint Determination Summary South Egremont School 42 Main Street, South Egremont, MA				
Sample No.	**Location**	**Testing Combination**	**XRF Results (mg/cm^2)**	**Notes**
114	"B" Porch	Brown Stained Wood Stair Tread	-0.1	Good
115	"B" Porch	Brown Stained Wood Stair Riser	-0.1	Good
116	"D" Porch	Red Wood Door	-0.1	Good
117	"D" Porch	White Wood Door Casing	-0.1	Good
118	"D" Porch	White Wood Door Jamb	-0.3	Good
119	"D" Porch	White Wood Siding	1.7	Poor
120	"D" Porch	White Wood Newel Post	-0.1	Good
121	"D" Porch	Black Metal Hand Rail	-0.1	Good
122	"D" Porch	Brown Stained Wood Porch Floor	0.0	Good
123	"D" Porch	Brown Stained Wood Stair Tread	-0.2	Good
124	"D" Porch	Brown Stained Wood Stair Riser	0.0	Good
125	Exterior – "A" Side	White Wood Siding	3.9	Poor
126	Exterior – "A" Side	White Wood Corner Board	5.4	Poor
127	Exterior – "A" Side	White Wood Lower Trim	0.1	Poor
128	Exterior – "A" Side	White Wood Window Sill	12.6	Poor
129	Exterior – "A" Side	White Wood Window Casing	16.5	Poor
130	Exterior – "B" Side	White Wood Siding	4.8	Poor
131	Exterior – "B" Side	White Wood Corner Board	14.2	Poor
132	Exterior – "B" Side	White Wood Lower Trim	-0.2	Good

Lead Paint Determination Summary South Egremont School 42 Main Street, South Egremont, MA				
Sample No.	**Location**	**Testing Combination**	**XRF Results (mg/cm^2)**	**Notes**
133	Exterior – "B" Side	White Wood Window Sill	18.6	Poor
134	Exterior – "B" Side	White Wood Window Casing	1.8	Poor
135	Exterior – "B" Side	White Metal Downspout	0.2	Good
136	Exterior – "C" Side	White Wood Siding	20.2	Poor
137	Exterior – "C" Side	White Wood Corner Board	16.0	Poor
138	Exterior – "C" Side	White Wood Lower Trim	-0.1	Good
139	Exterior – "C" Side	White Wood Window Sill	1.2	Poor
140	Exterior – "C" Side	White Wood Window Casing	2.7	Poor
141	Exterior – "D" Side	White Wood Siding	20.7	Poor
142	Exterior – "D" Side	White Wood Corner Boards	22.2	Poor
143	Exterior – "D" Side	White Wood Lower Trim	-0.2	Good
144	Exterior – "D" Side	White Wood Window Sill	18.5	Poor
145	Exterior – "D" Side	White Wood Window Casing	18.7	Poor
146	Exterior – "A","B","C","D" Sides	White Wood Fence	0.1	Poor