



SUBJECT SITE:	Stratfield Elementary School 1407 Melville Avenue Fairfield, CT 06825
CLIENT:	Fairfield Public Schools Maintenance Department 418 Meadow Street Fairfield, CT 06824
INSPECTION DATE:	November 28, 2018
BIG EAST PROJECT #:	18662

LTD. LEAD BASED PAINT INSPECTION

Introduction

Big East Environmental conducted a limited lead based paint inspection at the above referenced subject site. The subject site serves as a public elementary school. The inspection was limited to readily accessible surfaces of areas of the school to be utilized by after school activity services as directed to us by the client.

Methods

Eric Gelhaus, Lead Inspector (license number #00252) performed the testing using a Heuresis pb200i XRF analyzer. The lead based paint survey typically test representative surfaces for each room/ area that include: four walls, ceiling, baseboard, door components, window components, and any miscellaneous items such as closets, cabinets, shelving, radiators, etc. If a building component tests positive for lead based paint, then all similar building components shall be assumed to contain lead-based paint, provided that the components are of the same type, age, and appearance. Dust wipe samples were also collected as part of the inspection. Dust wipe samples were collected from floor, window sill, and window troughs in the applicable rooms. Dust wipe samples were collected for analysis by Flame AAS (SW 846).

Findings

Connecticut Department of Public Health and US Department of Housing and Urban Development have set 1.0 milligrams/square centimeter (mg/cm²) or above as the definition of lead based paint (LBP). The total lead on the report is the reading of lead in all of the paint layers down to the substrate. A positive result (POS) is a confirmed reading at or above 1.0 mg/cm², a negative result (NEG) is a confirmed reading below 1.0 mg/cm².

- Lead-based paint HAS been identified.
- Defective lead-based paint WAS present.
- Dust wipe samples DID NOT reveal levels of lead above action levels.



Table I – Surfaces Containing Lead Based Paint

ROOM	COMPONENT	SIDE	SUBSTRATE	CONDITION	COLOR
Room 207	Door Jamb	C	Metal	Deteriorated	Blue

1 Friction Surface
2 Chewable surface

Note: The readings collected from the Room 207 Door Jamb had a lead reading of 0.9 mg/cm². While the definition of a lead containing material is a reading of at or above 1.0 mg/cm², according to the manufacturer of the Heuresis XRF Gun, a reading between 0.8 and 9.9 falls within an inconclusive range. Therefore, in order to verify if this material is not lead containing a paint chip sample would have to be collected and analyzed via Flame AAS (SW 846 3050B*/7000B).

Table II –Lead Dust Results

ID	LOCATION	SAMPLE AREA	RESULT	HUD Clearance Criteria
01	Room 206 (Floor)	1.000 ft ²	<10 µg/ft ²	40 µg/ft ²
02	Room 206 (Window Sill)	1.750 ft ²	<5.7 µg/ft ²	250 µg/ft ²
03	Room 206/207 Shared Bathroom (Floor)	1.000 ft ²	<10 µg/ft ²	40 µg/ft ²
04	Room 207 (Floor)	1.000 ft ²	<10 µg/ft ²	40 µg/ft ²
05	Room 207 (Window Sill)	1.750 ft ²	<5.7 µg/ft ²	250 µg/ft ²
06	Room 206/207 Shared Bathroom (Window Sill)	1.111 ft ²	<9 µg/ft ²	250 µg/ft ²
07	Blank	0	<10 µg/ft ²	-

All samples were collected and delivered to SanAir Technologies Laboratory under chain of custody protocols.

Collection Method ASTM E1644-04

µg/ft micrograms per square foot

Please see attached sample location diagram.

The following clearance criteria have been set for levels of lead in dust for post abatement activities;

- 40 µg/ft² on floors
- 250 µg/ft² on window sills
- 400 µg/ft² on window troughs

This XRF and dust wipe sampling testing and report was performed according to all state guidelines for the testing of lead based paint in buildings by Big East Environmental under lead consultant contractor license number 002099.

Inspection Limitations

- Inspection was limited to Room 206, Room 207, and the shared bathroom between.
- Window troughs were not sampled due to windows being inoperable/sealed at the time of inspection.



Summary

Lead based paint HAS been identified during this inspection. Levels of lead in dust ARE NOT above action levels. Please see site diagrams for room and surface identification.

DISCLOSURE

Big East Environmental, LLC was employed to complete a limited representative testing of toxic levels of lead in painted surfaces using X-Ray Fluorescence (XRF) analysis. Big East Environmental, LLC makes no guarantee that surfaces not tested do not contain toxic levels of lead. The presence or absence of lead-based paint or lead-based paint hazards applies only to the tested or assessed surfaces on the date of the inspection. It should be understood that conditions may change due to deterioration or maintenance. The results and materials conditions noted within this report were accurate at the time of the inspection and in no way reflect the conditions at the property after the date of the inspection. Also, due to variability when applying paint coats with a brush, roller, etc., surfaces may have tested below toxic levels of lead in one area of the component but have toxic levels of lead in other areas of the component not tested.

Sincerely,

Eric Gelhaus

Eric Gelhaus, Project Manager
Lead Inspector#002252

LEAD SURVEY - 1st Floor



68 Water Street, Unit F
 Norwalk, CT 06854
 Drafted By: Eric Gelhaus
 Drafted Date: 12/05/18
 Project #: 18662

CLIENT:
 Fairfield Public Schools
 501 Kings Highway East
 Fairfield CT

JOB LOCATION:
 Stratfield Elementary
 1407 Melville Ave
 Fairfield CT

LEGEND:
■ Lead Dust Positive
■ XRF Lead Positive
■ Survey Area

EXCLUSIONS:
 Inspection was performed in identified areas only. See report for details.



NOT TO SCALE

LEAD BASED PAINT - POSITIVE XRF RESULTS

ROOM	COMPONENT	SIDE	SUBSTRATE	CONDITION	COLOR
Room 207	Door Jamb	C	Metal	Deteriorated	Blue

See report for details

LEAD BASED PAINT - ELEVATED DUST WIPE RESULTS

No Dust wipe results were elevated



Lead Based Paint XRF Inspection Data

Big East Environmental
68 Water Street, Unit F
Norwalk CT 06854

INSPECTION DATE: 11/28/2018 - 11/28/2018

REPORT NUMBER: 18662

INSTRUMENT TYPE: Heuresis Corp.
Pb200i XRF Lead Paint Analyzer
1039

ACTION LEVEL: 1.0 mg/cm²

STATEMENT: Limited Inspection

Lead Based Paint XRF Inspection Data

Inspection Date: 11/28/2018 - 11/28/2018
 Action Level: 1.0 mg/cm²
 Report Number: 18662
 Total Readings: 29
 Unit Started: 11/28/2018 16:09:41
 Unit Ended: 11/28/2018 16:47:49

Inspection Site: Fairfield Public Schools
 Maintenance Department
 418 Meadow Street
 Fairfield, CT 06824

Read #	Result	RTA Present	ROOM	SIDE	ASSEMBLY Member	CONDITION	Floor	Color	Lead (mg/cm ²)	Mode
89	Negative	Off	Room 207	A	Wall	Intact	2nd Floor	Yellow	0.2 mg/cm ²	Action Level
90	Negative	Off	Room 207	B	Wall	Intact	2nd Floor	Yellow	0.2 mg/cm ²	Action Level
91	Negative	Off	Room 207	C	Wall	Intact	2nd Floor	Yellow	0.1 mg/cm ²	Action Level
92	Negative	Off	Room 207	D	Wall	Intact	2nd Floor	Yellow	0.2 mg/cm ²	Action Level
93	Negative	Off	Room 206	A	Wall	Intact	2nd Floor	Yellow	0.0 mg/cm ²	Action Level
94	Negative	Off	Room 206	B	Wall	Intact	2nd Floor	Yellow	0.0 mg/cm ²	Action Level
95	Negative	Off	Room 206	C	Wall	Intact	2nd Floor	Yellow	0.0 mg/cm ²	Action Level
96	Negative	Off	Room 206	D	Wall	Intact	2nd Floor	Yellow	0.2 mg/cm ²	Action Level
97	Negative	Off	Room 206	C	Door	Door	2nd Floor	Varnish	0.3 mg/cm ²	Action Level
98	Negative	Off	Room 206	C	Door	Frame	2nd Floor	Blue	0.4 mg/cm ²	Action Level
99	Negative	Off	Room 206	C	Door	Jamb	2nd Floor	Blue	0.5 mg/cm ²	Action Level
100	Negative	Off	Room 207	C	Door	Frame	2nd Floor	Blue	0.6 mg/cm ²	Action Level
101	Negative	Off	Room 207	C	Door	Jamb	2nd Floor	Blue	0.9 mg/cm ²	Action Level
102	Negative	Off	Room 207	A	Window	Sill	2nd Floor	Black	0.1 mg/cm ²	Action Level
103	Negative	Off	Room 207	A	Window	Sash Interior	2nd Floor	Black	0.3 mg/cm ²	Action Level
104	Negative	Off	Room 207	A	Window	Casing	2nd Floor	Black	0.3 mg/cm ²	Action Level
105	Negative	Off	Room 206	A	Window	Casing	2nd Floor	Black	0.2 mg/cm ²	Action Level
106	Negative	Off	Room 206	A	Window	Sash Interior	2nd Floor	Black	0.2 mg/cm ²	Action Level

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Read #	Result	RTA Present	ROOM	SIDE	ASSEMBLY Member	CONDITION	Floor	Color	Lead (mg/cm ²)	Mode	
107	Negative	Off	Room 206	A	Window	Sill	Intact	2nd Floor	Black	0.0 mg/cm ²	Action Level
108	Negative	Off	Rm 206/207 Bathroom	A	Window	Sill	Intact	2nd Floor	Natural	-0.5 mg/cm ²	Action Level
109	Negative	Off	Rm 206/207 Bathroom	A	Window	Sash Interior	Intact	2nd Floor	Black	0.3 mg/cm ²	Action Level
110	Negative	Off	Rm 206/207 Bathroom	A	Window	Casing	Intact	2nd Floor	Natural	0.3 mg/cm ²	Action Level
111	Negative	Off	Rm 206/207 Bathroom	B	Door	Jamb	Intact	2nd Floor	Blue	0.5 mg/cm ²	Action Level
112	Negative	Off	Rm 206/207 Bathroom	B	Door	Frame	Intact	2nd Floor	Blue	0.5 mg/cm ²	Action Level
113	Negative	Off	Rm 206/207 Bathroom	B	Door	Door	Intact	2nd Floor	Varnish	0.1 mg/cm ²	Action Level
114	Negative	Off	Rm 206/207 Bathroom	A	Wall		Intact	2nd Floor	White	0.0 mg/cm ²	Action Level
115	Negative	Off	Rm 206/207 Bathroom	B	Wall		Intact	2nd Floor	White	0.0 mg/cm ²	Action Level
116	Negative	Off	Rm 206/207 Bathroom	C	Wall		Intact	2nd Floor	White	0.1 mg/cm ²	Action Level
117	Negative	Off	Rm 206/207 Bathroom	D	Wall		Intact	2nd Floor	White	-0.1 mg/cm ²	Action Level

----- END OF READINGS -----