

**LEAD-BASED PAINT RENOVATION, REPAIR, AND
PAINTING REPORT
800 CUSHMAN STREET
FAIRBANKS, ALASKA
AUGUST 21, 2023**



Prepared for:

City of Fairbanks
800 Cushman Street
Fairbanks, AK 99709

Prepared by:



Accounting/Managing Office

2400 College Road
Fairbanks, Alaska 99709
p. 907.452.5688
f. 907.452.5694

3105 Lakeshore Dr, Ste A106
Anchorage, Alaska 99517
p. 907.222.2445
f. 907.222.0915

5438 Shaune Dr, Ste B
Juneau, Alaska 99801
p: 907.586.6813
f: 907.586.6819



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ACRONYMS AND ABBREVIATIONS

CFR	Code of Federal Regulations
EPA	Environmental Protection Agency
Guidelines	U.S. U.S. Department of Housing and Urban Development's Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (July 2012)
HUD	U.S. Department of Housing and Urban Development
LBP	Lead Based Paint
LSHR	Lead Safe Housing Rule in 24 CFR 35 Subpart J
Mg/cm ²	Milligrams per centimeter squared
NIST SRM	National Institute of Standard and Technology Standard Reference Material
PCS	Performance Characteristic Sheet
RRP	Renovation, Repair, and Painting Rule
Sq. ft or ft ²	Square feet
XRF	X-ray Fluorescence Analyzer



1.0 EXECUTIVE SUMMARY

On August 7, 2023 **NORTECH** (firm certification # NAT-971-1) Inspector Jennifer Stoutamore (certification # LBP-I-198254-2), completed a lead-based paint (LBP) inspection in compliance with Chapter 4 of the U.S. Department of Housing and Urban Development's (HUD) *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*, July 2012 (Guidelines), 40 CFR Part 745 Subpart E, and 29 CFR 1926-6. The inspection was performed for the City of Fairbanks prior to renovations aimed at converting part of the current City Hall into a Child Care Facility for the building located at 800 Cushman Street in Fairbanks, Alaska. The purpose of the inspection was to determine if lead-based paint (LBP) was present within the hallway, classrooms, storage and janitorial closets, and bathrooms that may be impacted by planned renovations.

Work was completed with a Thermo Fisher NITON XLP-303A, x-ray fluorescent (XRF) spectrum analyzer. In accordance with the instrument's Performance Characteristic Sheets (PCS, Appendix 4), substrate corrections were not needed. A LBP Testing Data Sheet (Appendix 2) was completed for each room equivalent and testing combination present within the scope of work. Testing locations are shown on Figures 3-5 in Appendix 1. Photos of testing combinations and locations that exceeded the regulatory limit of 1.0 mg/cm² of lead in paint are shown in Appendix 2.

LBP was identified within the following room equivalents and testing combinations (See Figure 3 for room and wall designations):

- Hallway walls
- Classroom 1 door frame leading to hallway
- Classroom 2 door frames
- Classroom 2 door leading to the hallway
- Classroom 3 Wall R
- Classroom 3 door frame leading to the hallway
- Classroom 3 Wall S baseboard
- Bathroom B door frame
- Bathroom C walls in entry area
- Bathroom C door frame
- Custodial Closet A, both door frames
- Storage Closet D door frame

NORTECH's methodology, building information, and scope of work are described in the following sections. A copy of this report should be provided to the building owner and any contractors conducting work within the area covered under the scope of work of this report.

2.0 SITE LOCATION AND DESCRIPTION

The Site is located within the current City of Fairbanks City Hall at 800 Cushman Street. The proposed area to be converted to a childcare facility, and thus the only portion of the building covered under this report, is the northwest wing of the first floor of the facility. The only exterior portion of the building assessed for lead-based paint was near the wing's outside exit (Figure 5, Appendix 1). The building is legally described as being located on Block 104 of plat FT. The building was constructed in 1934 and has undergone an unknown number of renovations and



expansions. It is a multi-story concrete building and was listed on the National Register of Historic Places in 1990.

3.0 SCOPE OF WORK

The scope of work was to determine if painted surfaces within the proposed area of renovations contained lead in concentrations exceeding Environmental Protection Agency (EPA)/HUD regulatory limits. While the building is not currently a Child Occupied Facility, the goal of the renovations is to convert the northwest wing into a Child Care Facility. The potentially impacted portions of the northwest wing, as described in the City of Fairbanks Invitation to Bid No. ITB-23-16 includes remodeling of two restrooms, three classrooms, two classroom closets, and a custodial closet, general electrical work throughout the first floor of the northwest wing, and installation of an Americans with Disabilities Act (ADA) compliant ramp. While on Site, City of Fairbanks staff John O'Brian also included a storage closet in the potential scope of work. Mr. O'Brian noted that the location of the ADA ramp had not been determined, but listed the potential locations as:

- The northwest exterior door
- The stairs/doorway to the current Boys and Girls Club
- The stairs/doorway leading to the main City Hall offices
- The doorway leading through a private office next to Bathroom C

All four possible locations were included in our scope of work.

Potentially impacted surfaces, based on **NORTECH's** understanding of the proposed work, include painted interior walls, baseboards, ceilings, doors, door frames, floors, toilet stall dividers, urinal dividers, and potentially the exterior walls near the northwest wing's exterior exit. City of Fairbanks employee Mr. O'Brian stated no work is planned on windows within the northwest wing. Window components were therefore only assessed if there was the potential for radiator or electrical work to impact a particular window.

4.0 METHODOLOGY

NORTECH performed the assessment using a Thermo Scientific XLp 303A XFR analyzer (serial number 96720). Before beginning the assessment, the time and date were noted on the Calibration Check Test Results datasheet (Appendix 3) and the manufacturer's recommended warm up procedures were performed. **NORTECH** used the National Institute of Standard and Technology's Standard Reference Material (NIST SRM) 2573 (1.04 ± 0.04 mg/cm² lead content) film to perform all necessary equipment calibration checks. The film was placed at least 12 inches from any painted surface and three calibration check readings. The readings were then averaged and compared to the NIST SRM. Averages between 0.8 mg/cm² and 1.2 mg/cm² are considered to be within calibration standards using the 2573 film.

The XRF was checked for calibration compliance before beginning the LBP inspection, at the completion of the LBP inspection, and every four hours during use. The Calibration Check Test Results datasheet was completed for each calibration check. The XRF remained within calibration for the duration of the inspection (see completed datasheets in Appendix 3).

Each component type within each room equivalent was noted on a LBP Testing Datasheet (Appendix 3). Readings from different room equivalents were recorded on different datasheets, with the room equivalent clearly marked at the top of the datasheet. As the PCS indicates



substrate correction is not needed, all XRF readings greater than 1.0 mg/cm² were considered positive results for LBP.

5.0 RESULTS

NORTECH collected a total of 141 readings for eight component types in five room equivalents. Predominant component types included walls, ceilings, doors, door frames, and baseboards. Sample IDs, substrates, components, paint colors, test locations, XRF readings, and results were recorded on the LBP Testing Data Sheets (Appendix 3). Based on valid XRF readings, the LBP inspection identified 21 positive results and 119 negative results. Room equivalents and testing combinations testing positive for LBP were:

- Classroom 1
 - Door frame leading to hallway
- Classroom 2
 - Door frame leading to hallway
 - Door leading to hallway
 - Door frame between Closet F and Classroom 2
- Classroom 3
 - Wall R
 - Door frame leading to hallway
 - Wall S baseboard
- Custodial Closet A
 - Door frame to hallway
 - Door frame in Wall C
- Bathroom B
 - Door frame
- Bathroom C
 - Entry way walls
 - Door
 - Door frame
- Storage Closet D
 - Door frame
- Hallway
 - Between “L” at Classroom 3 and door to Boys and Girls Club
 - Both Sides of Hallway

Table 1 summarizes the locations and combinations where lead-based paint was identified. Figures 4 - 7 visually depicts these general locations, and Figure 8 in Appendix 1 has the general areas which should be considered to contain LBP bolded.

Table 1



Locations and Descriptions of Identified Lead-Based Paint

Sample	Location	Paint Color	Description	Result (mg/cm ²)
Pb-29	Classroom 2	Yellow	Door frame to Closet F	1.1
Pb-31	Classroom 2	White	Door frame to hallway	1.8
Pb-32	Classroom 2	White	Door to hallway	1.4
Pb-36	Classroom 1	White	Door frame leading to hallway	1.4
Pb-39	Hallway	White	Wall between Classroom 1 and stairs to Boys and Girls Club	1.3
Pb-41	Hallway	White	Wall by stairs to main City Hall offices	1.2
Pb-45	Hallway	White	Wall between Restroom B and Custodial Closet A	1.1
Pb-55	Hallway	White	Wall in stairwell to Boys and Girls Club	1.7
Pb-135	Hallway	White	Wall, left of door to bathroom C	1.3
Pb-61	Storage Closet D	Dark Green	Door	1.1
Pb-63	Storage Closet D	Dark Green	Door frame	1.7
Pb-66	Custodial Closet A	Orange	Door in Wall C	1.7
Pb-67	Custodial Closet A	Brown	Door in Wall C	2.4
Pb-72	Custodial Closet A	Orange	Door frame to hallway	1.7
Pb-92	Classroom 3	White	Wall R	1.1
Pb-95	Classroom 3	Brown	Wall S baseboard	1.2
Pb-98	Classroom 3	White	Door frame in Wall S	1.7
Pb-101	Bathroom B	White	Door frame	1.2
Pb-114	Bathroom C	White	Entryway wall, right of door	1.1
Pb-116	Bathroom C	White	Entryway wall, left of door	1.2
Pb-117	Bathroom C	White	Door frame	2.7

6.0 DISCLOSURE OF LEAD-BASED PAINT

As lead-based paint was identified during RRP activities, the EPA requires the building owner to distribute EPA's lead pamphlet to building occupants prior to renovation. While the goal of renovations is to create a Child Care Facility, the wing in which renovations will be taking place is not currently a Child Care Facility. The RRP compliance guidance is attached as Appendix 5, which provides information on required notifications, retention of records, necessary training, certification, and work practice requirements, and pre-renovation forms.



This report should be provided in full to all contractors conducting work on the first floor of the northwest wing of the building. This includes, but is not limited to electricians, painters, construction workers, HVAC technicians, and plumbers.

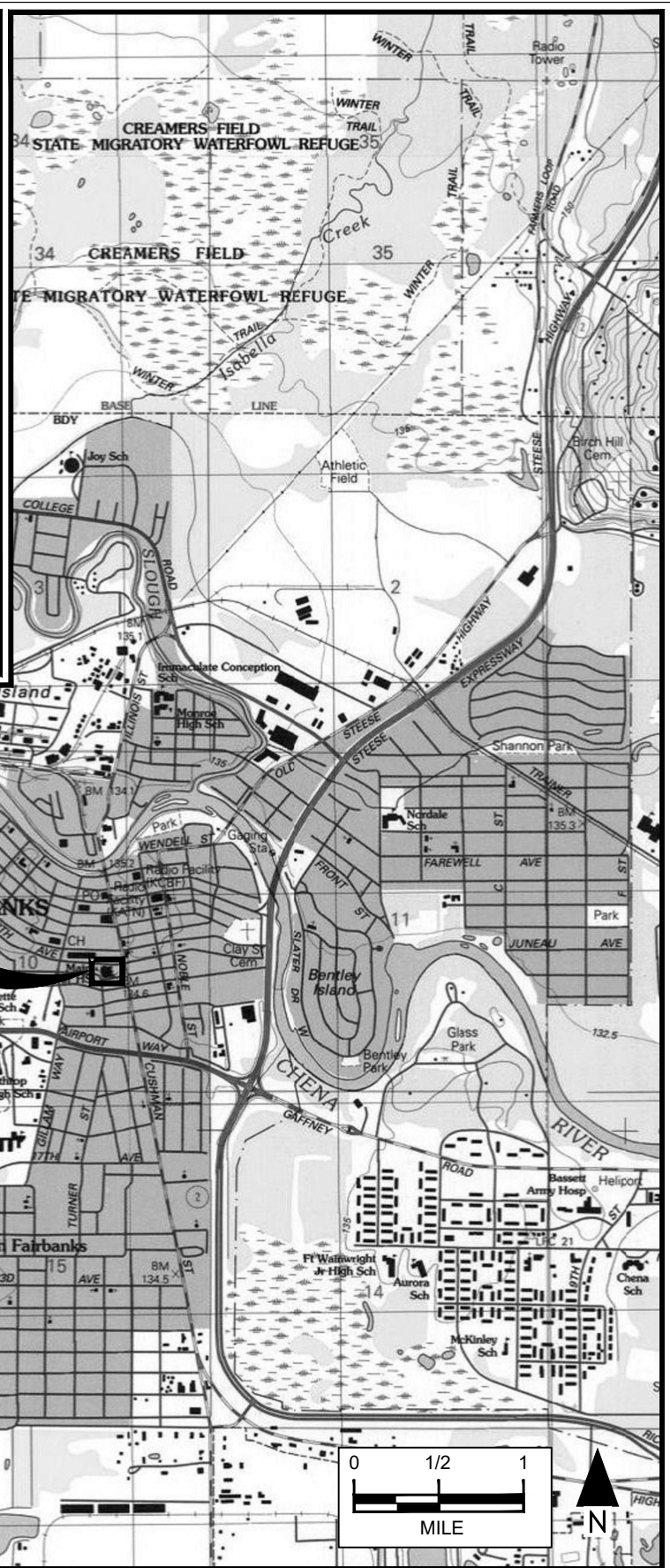
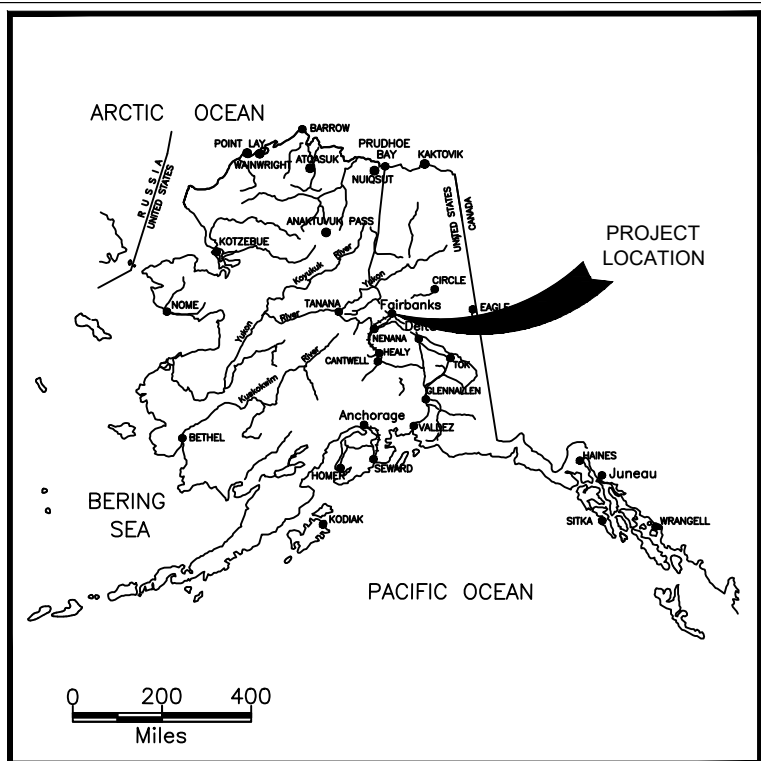
7.0 SIGNATURES

Jennifer Stoutamore currently holds Lead-Based Paint Program Inspector certifications for all EPA Administered Lead-based Paint Activities and Program States, Tribes and Territories (certification # LBP-I-198254-2). Ms. Stoutamore has been an EPA certified Lead-based Paint Inspector since 2019.

A handwritten signature in black ink that reads "Jennifer Stoutamore". The signature is written in a cursive, flowing style.

Staff Professional II
HUD Certification # LBP-I-198254-2

Appendix 1



ENVIRONMENT, ENERGY, HEALTH & SAFETY CONSULTANTS
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Location Map
 Child Care Renovation - Lead-Based Paint Assessment
 City Hall, Fairbanks, Alaska

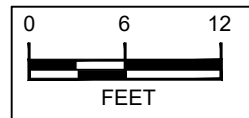
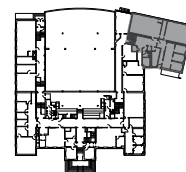
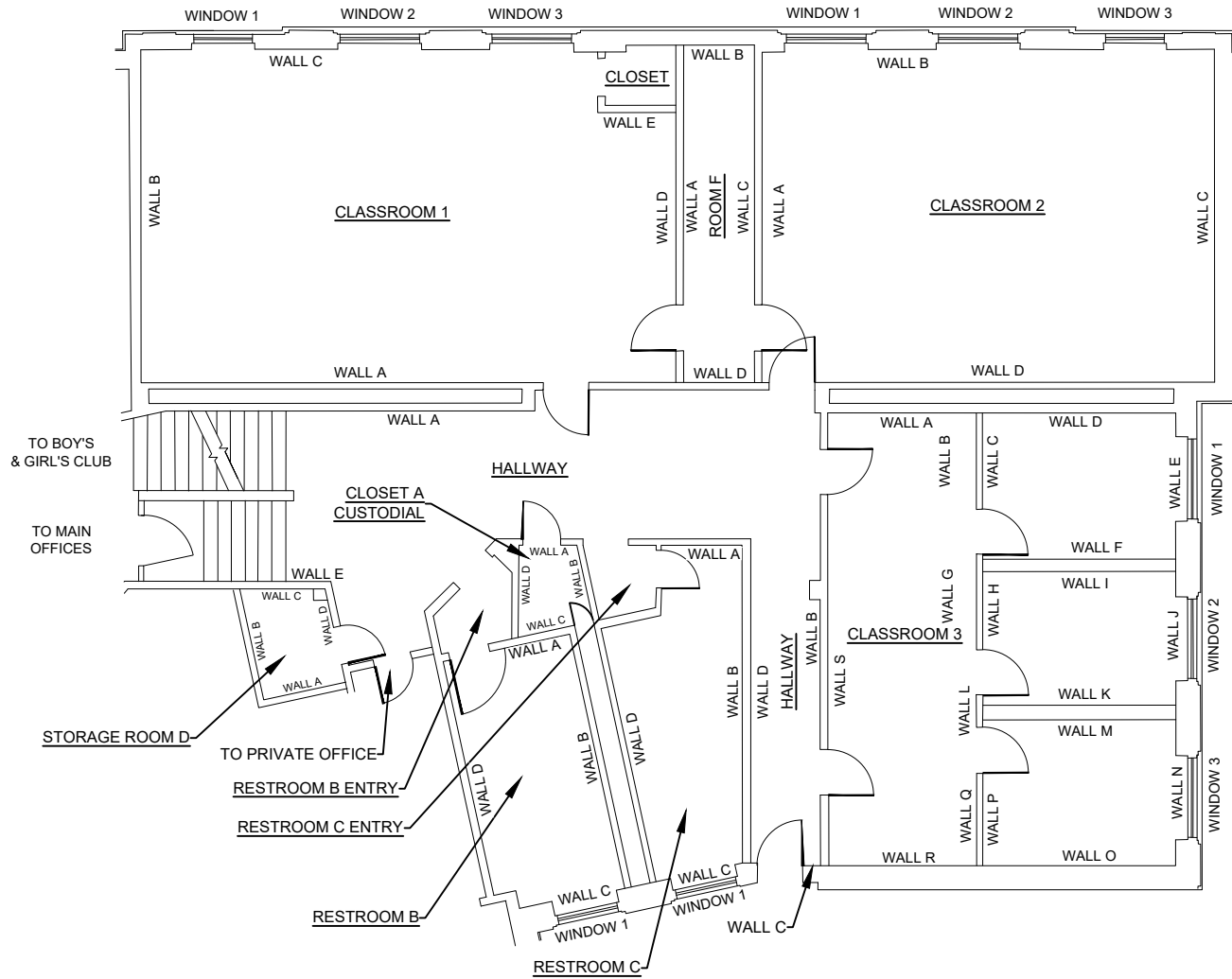
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DESIGN: JLS	1
DRAWN: SPH	
PROJECT NO: 23-1058	
DWG: 231058(HUD)ja	
DATE: 08/16/2023	



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Area Map
 Child Care Renovation - Lead-Based Paint Assessment
 City Hall, Fairbanks, Alaska

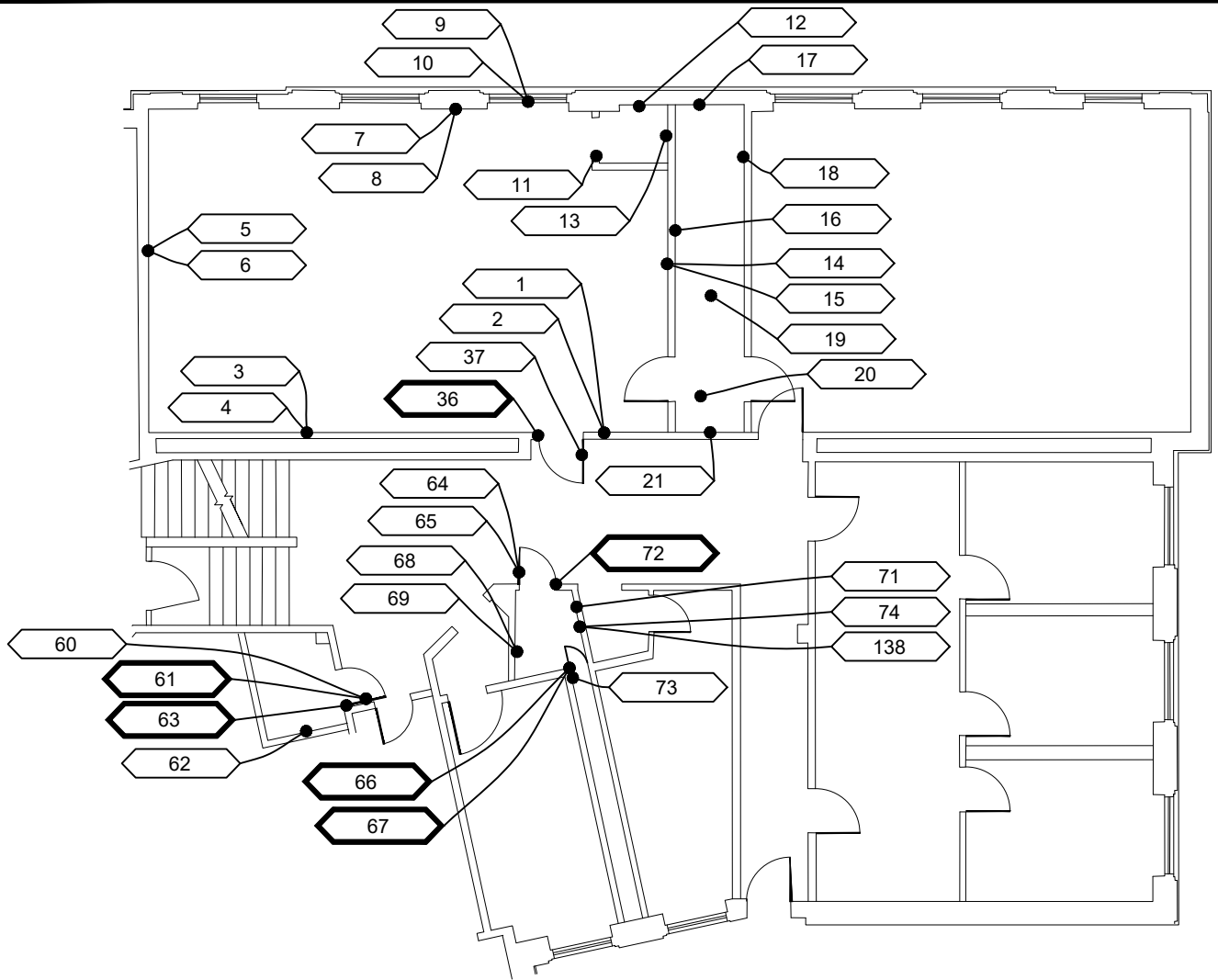
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DESIGN: JLS	
DRAWN: SPH	
PROJECT NO: 23-1058	
DWG: 231058(HUD)ja	
DATE: 08/16/2023	



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Child Care Renovation Area
 Room, Wall, & Window Designations
 Child Care Renovation - Lead-Based Paint Assessment
 City Hall, Fairbanks, Alaska

SCALE: As Shown	FIGURE: 3
DESIGN: JLS	
DRAWN: SPH	
PROJECT NO: 23-1058	
DWG: 231058(HUD)a	
DATE: 08/16/2023	



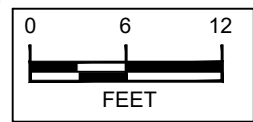
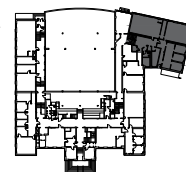
Classroom 1				
Lead Sample Results				
Number	Color	Surface	Substrate	Result (mg/cm ²)
36	white	door	wood	1.4

Storage Room D				
Lead Sample Results				
Number	Color	Surface	Substrate	Result (mg/cm ²)
61	white	door	wood	1.1
63	dark green	door frame	wood	1.7

Closet A				
Lead Sample Results				
Number	Color	Surface	Substrate	Result (mg/cm ²)
66	orange	door	wood	1.7
67	brown	door	wood	2.4
72	orange	door frame	wood	1.7

LEGEND

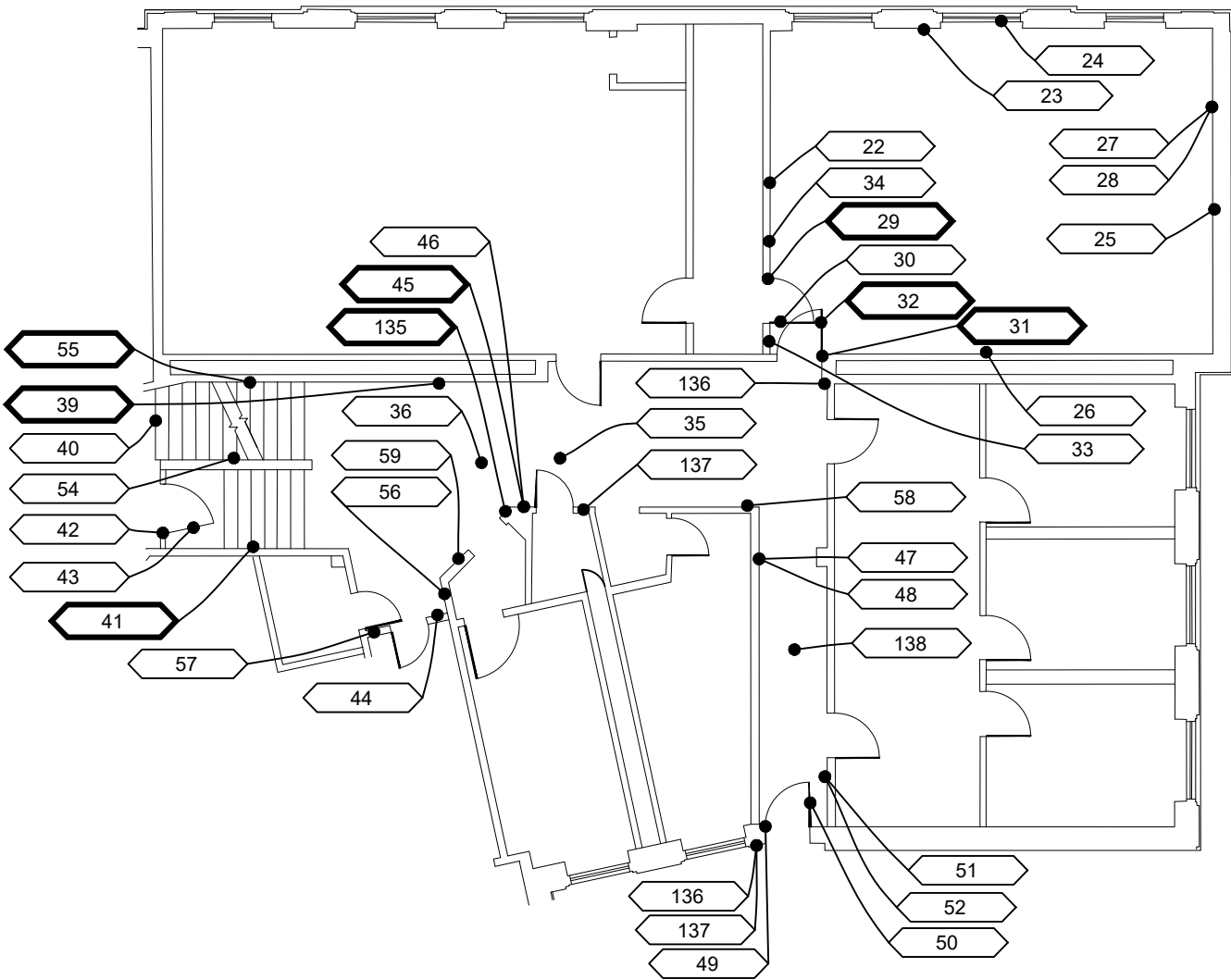
- 0123 LEAD BASED PAINT SAMPLE (<1mg/cm sq)(HUD)
 - 0123 LEAD BASED PAINT SAMPLE (≥1mg/cm sq)(HUD)
- SEE LEAD BASED PAINT TABULATION RESULTS FOR CONCENTRATION FOR LEAD SAMPLE NUMBER



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Classroom 1, Closet F, Closet A, & Storage Room D
 LBP Paint Sample Locations
 Child Care Renovation - Lead-Based Paint Assessment
 City Hall, Fairbanks, Alaska

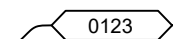
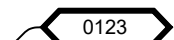
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PROJECT NO: 23-1058	
DWG: 231058(HUD)a	
DATE: 08/16/2023	

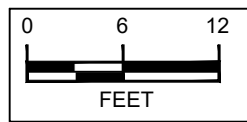
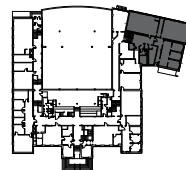


Hallway				
Lead Sample Results				
Number	Color	Surface	Substrate	Result (mg/cm ²)
39	white	wall	plaster	1.3
41	white	wall	plaster	1.2
45	white	wall	plaster	1.1
55	white	wall	plaster	1.7
135	white	wall	plaster	1.3

Classroom 2				
Lead Sample Results				
Number	Color	Surface	Substrate	Result (mg/cm ²)
29	yellow	door frame	wood	1.1
31	white	door frame	wood	1.8
32	white	door	wood	1.4

LEGEND

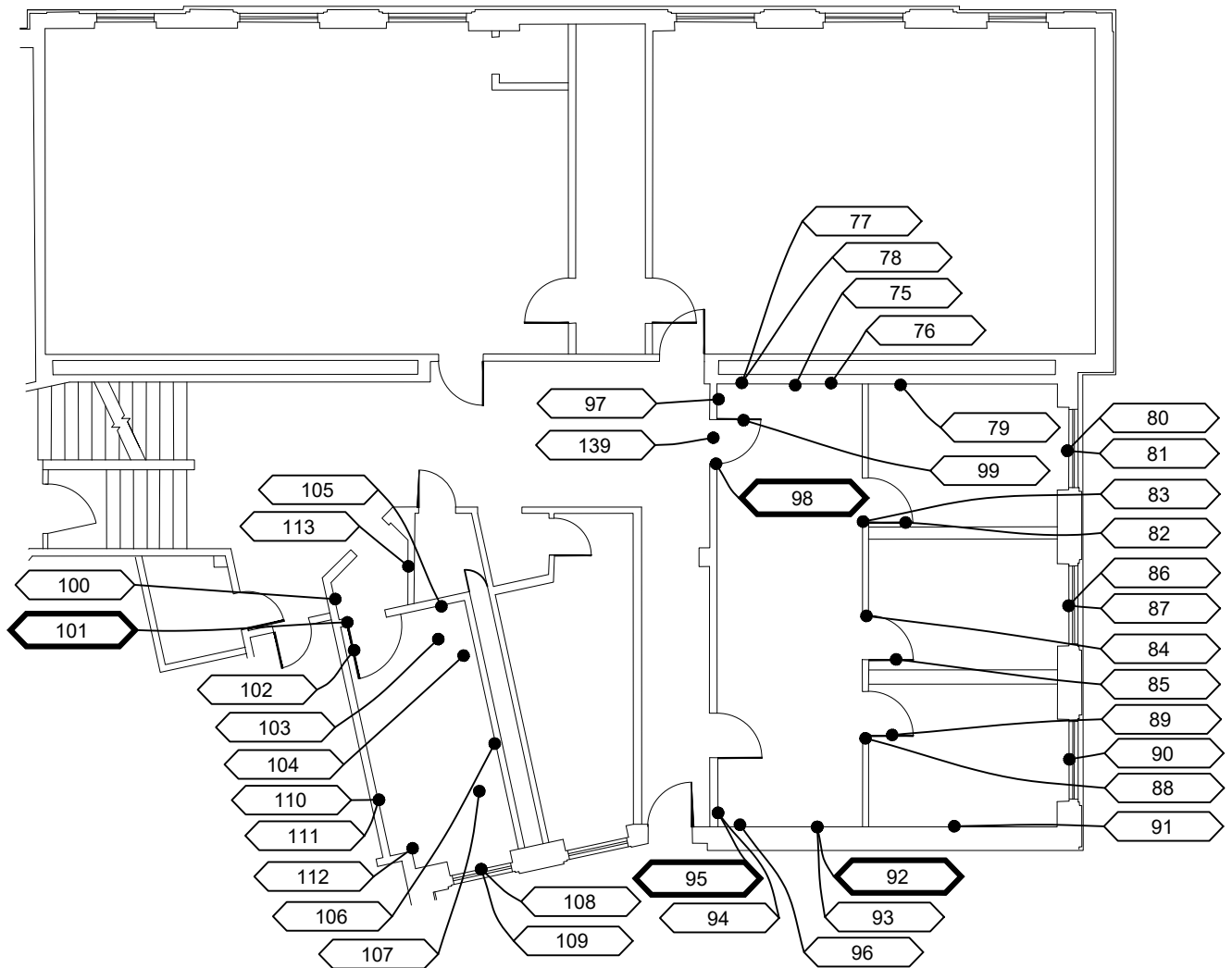
-  0123 LEAD BASED PAINT SAMPLE (<1mg/cm sq)(HUD)
 -  0123 LEAD BASED PAINT SAMPLE (≥1mg/cm sq)(HUD)
- SEE LEAD BASED PAINT TABULATION RESULTS FOR CONCENTRATION FOR LEAD SAMPLE NUMBER



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Classroom 2 & Hallway
 LBP Paint Sample Locations
 Child Care Renovation - Lead-Based Paint Assessment
 City Hall, Fairbanks, Alaska

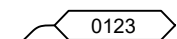
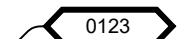
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DATE: 08/16/2023	

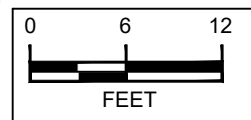
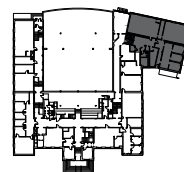


Bathroom B				
Lead Sample Results				
Number	Color	Surface	Substrate	Result (mg/cm ²)
101	white	door frame	wood	1.2

Classroom 3				
Lead Sample Results				
Number	Color	Surface	Substrate	Result (mg/cm ²)
92	white	wall	concrete	1.1
95	brown	baseboard	metal	1.2
98	white	door frame	wood	1.7

LEGEND

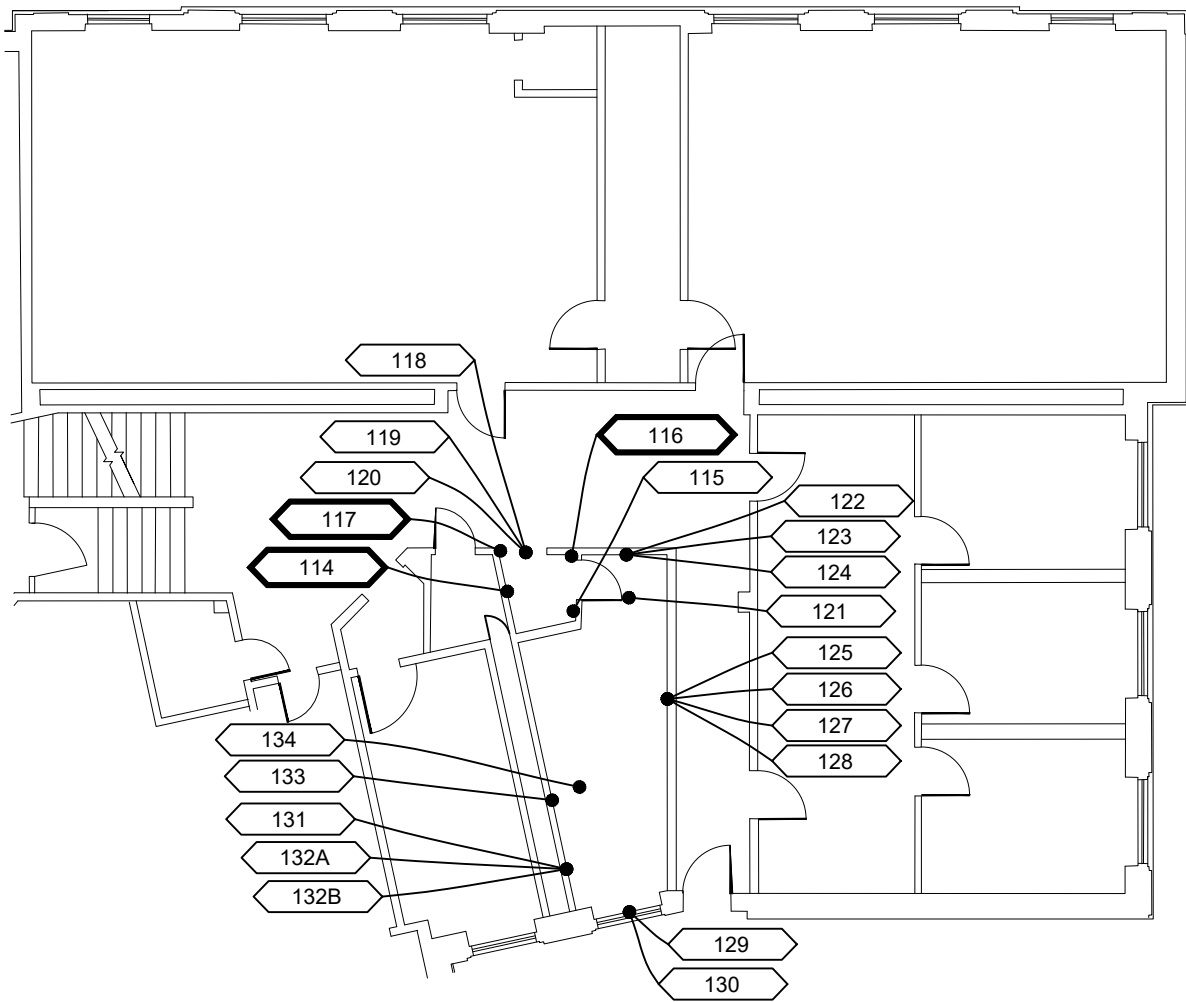
-  0123 LEAD BASED PAINT SAMPLE (<1mg/cm sq)(HUD)
 -  0123 LEAD BASED PAINT SAMPLE (≥1mg/cm sq)(HUD)
- SEE LEAD BASED PAINT TABULATION RESULTS FOR CONCENTRATION FOR LEAD SAMPLE NUMBER



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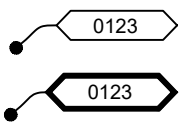
Bathroom B & Classroom 3
 LBP Paint Sample Locations
 Child Care Renovation - Lead-Based Paint Assessment
 City Hall, Fairbanks, Alaska

SCALE: As Shown	FIGURE: 6
DESIGN: JLS	
DRAWN: SPH	
PROJECT NO: 23-1058	
DWG: 231058(HUD)a	
DATE: 08/16/2023	



Bathroom C				
Lead Sample Results				
Number	Color	Surface	Substrate	Result (mg/cm ²)
114	white	wall	plaster	1.1
116	white	wall	plaster	1.7
117	white	door frame	wood	2.2

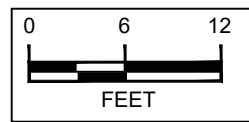
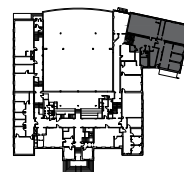
LEGEND



LEAD BASED PAINT SAMPLE
($<1\text{mg/cm sq}$)(HUD)

LEAD BASED PAINT SAMPLE
($\geq 1\text{mg/cm sq}$)(HUD)

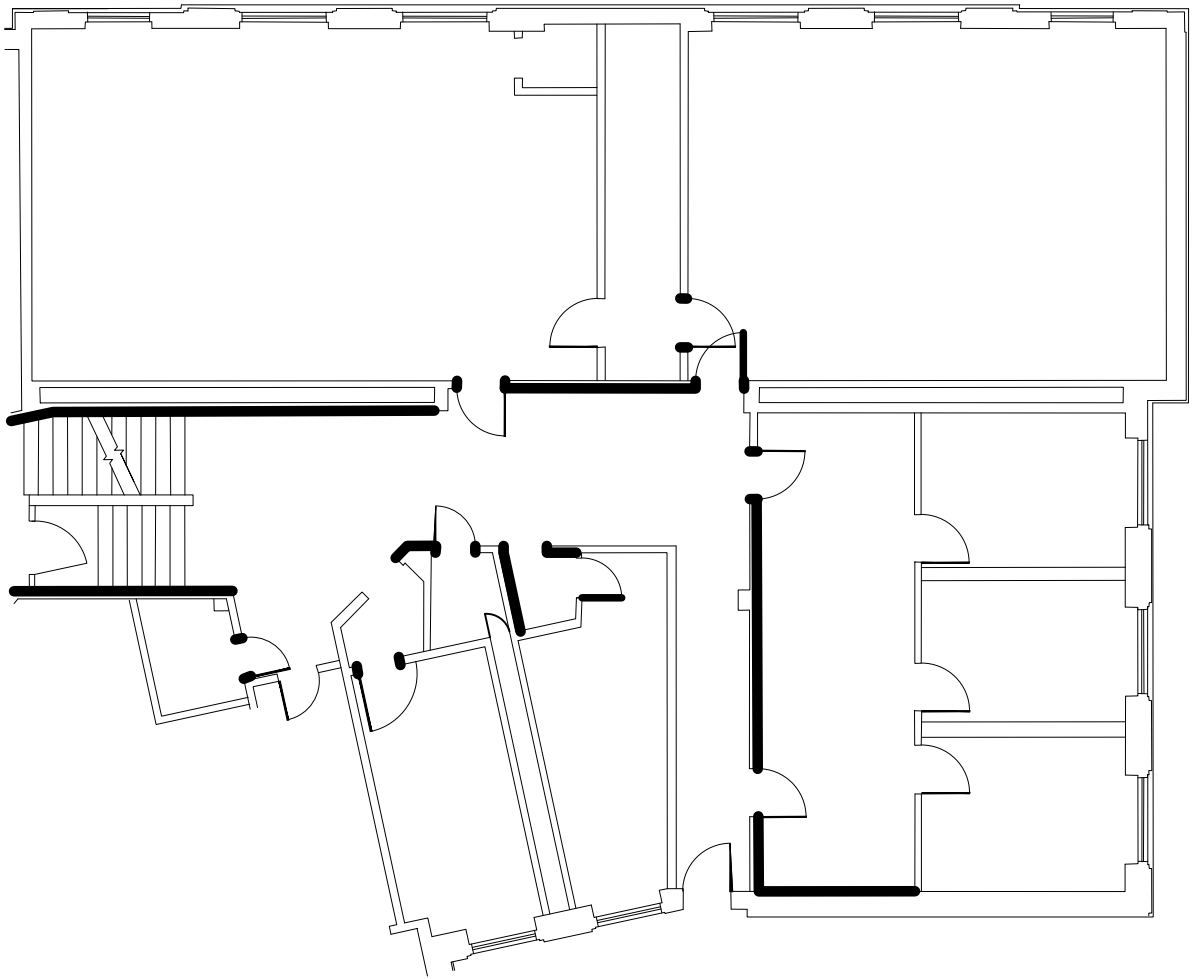
SEE LEAD BASED PAINT
TABULATION RESULTS FOR
CONCENTRATION FOR LEAD
SAMPLE NUMBER



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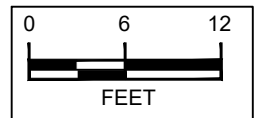
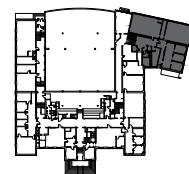
Bathroom C
LBP Locations
Child Care Renovation - Lead-Based Paint Assessment
City Hall, Fairbanks, Alaska

SCALE: As Shown	FIGURE: 7
DESIGN: JLS	
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LEGEND

— LOCATION OF LEAD-BASED PAINT



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Child Care Renovation Area
 LBP Locations
 Child Care Renovation - Lead-Based Paint Assessment
 City Hall, Fairbanks, Alaska

SCALE: As Shown	FIGURE: 8
DESIGN: JLS	
DRAWN: SPH	
PROJECT NO: 23-1058	
DWG: 231058(HUD)a	
DATE: 08/16/2023	

Appendix 2

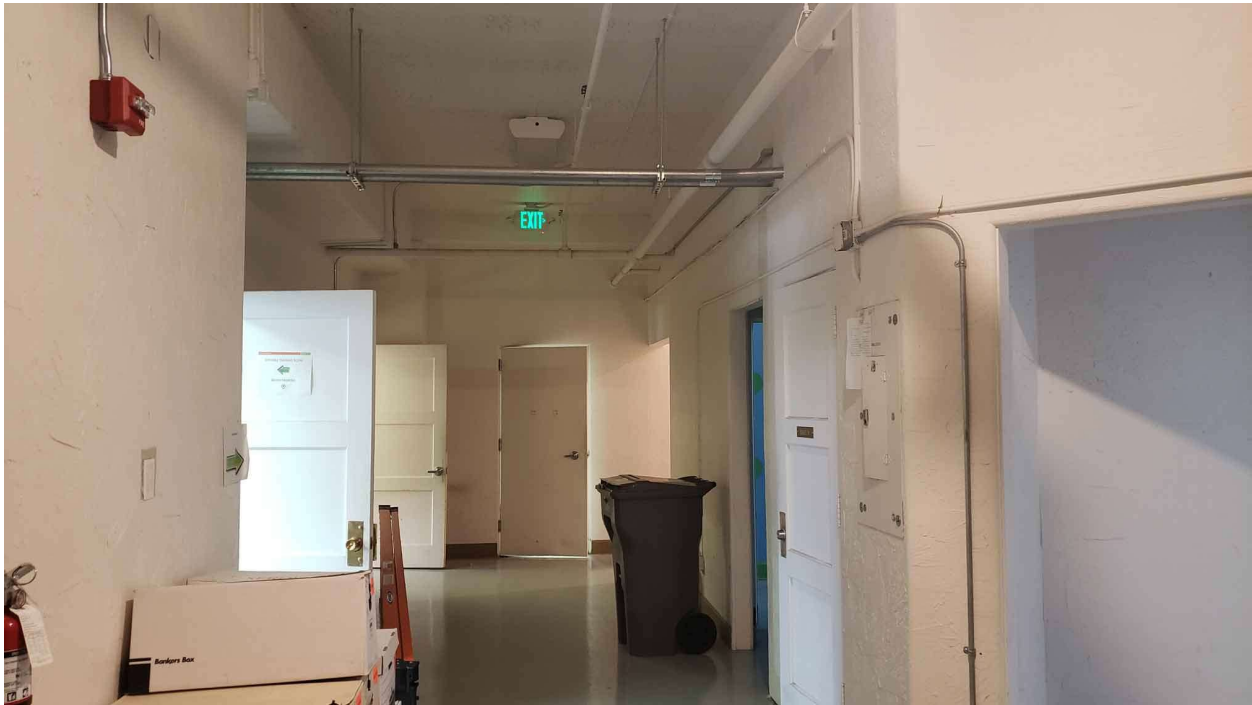


Photo 1: Hallway Walls contain LBP. Results ranged from 1.1 mg/cm² to 1.7 mg/cm².

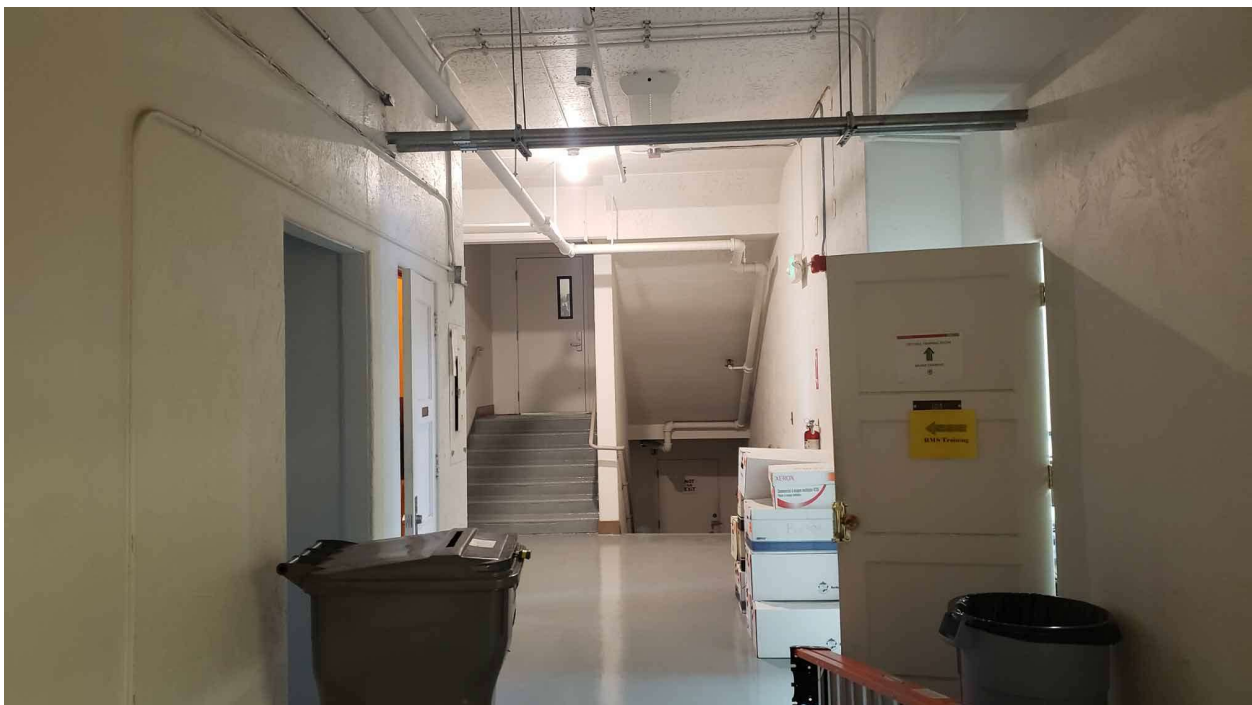


Photo 2: Hallway Walls contain LBP. Results ranged from 1.1 mg/cm² to 1.7 mg/cm².

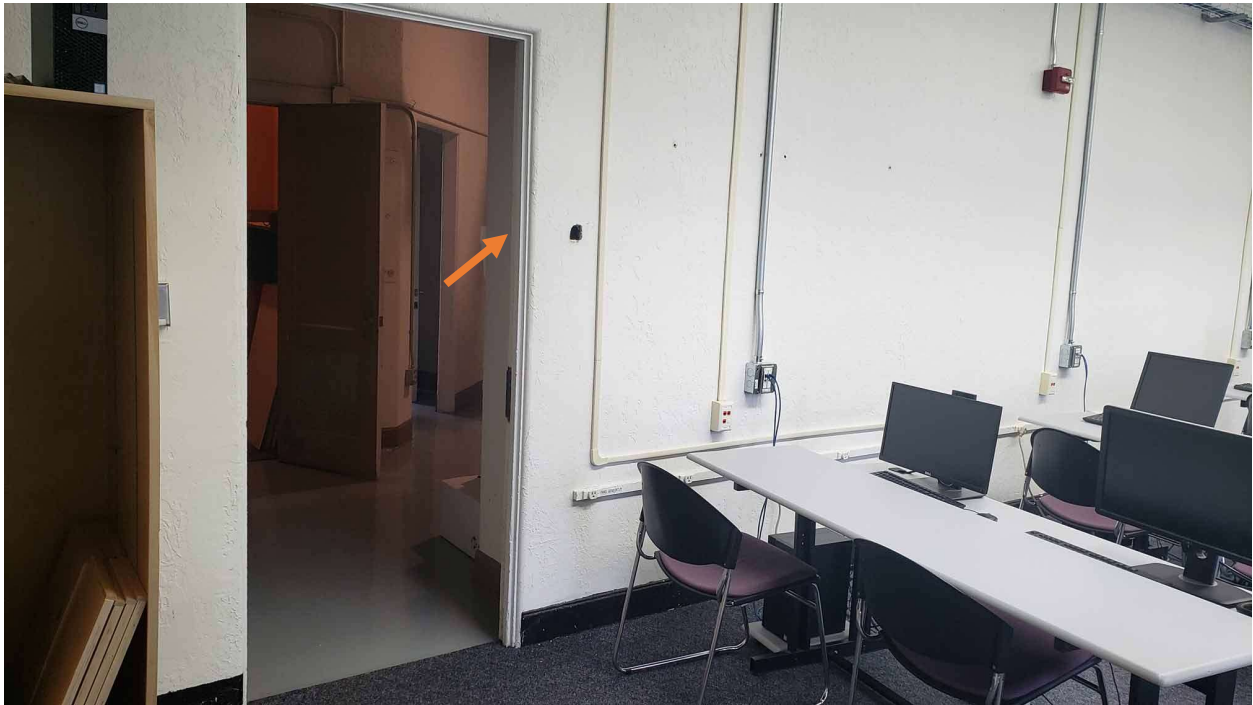


Photo 3: Door frame to hallway in Classroom 1 (sample Pb-36) contains LBP at a concentration of 1.4 mg/cm².



Photo 4: Door frame to hallway in Classroom 2 (sample PB-32,) contains LBP at a concentration of 1.8 mg/cm². The door from Classroom 2 to the hallway also contains LBP at a concentration of 1.4 mg/cm².

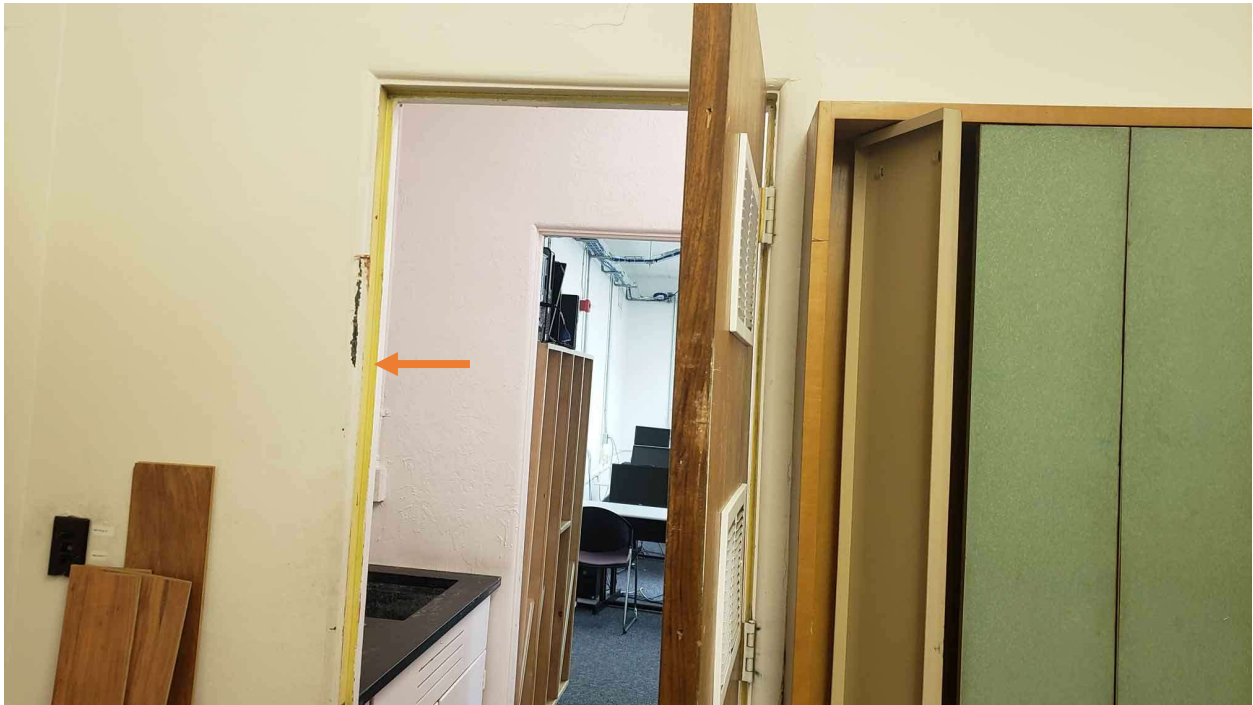


Photo 5: The yellow door frame leading from Closet F to Classroom 2 (sample PB-29) contains lead-based paint at a concentration of 1.1 mg/cm².

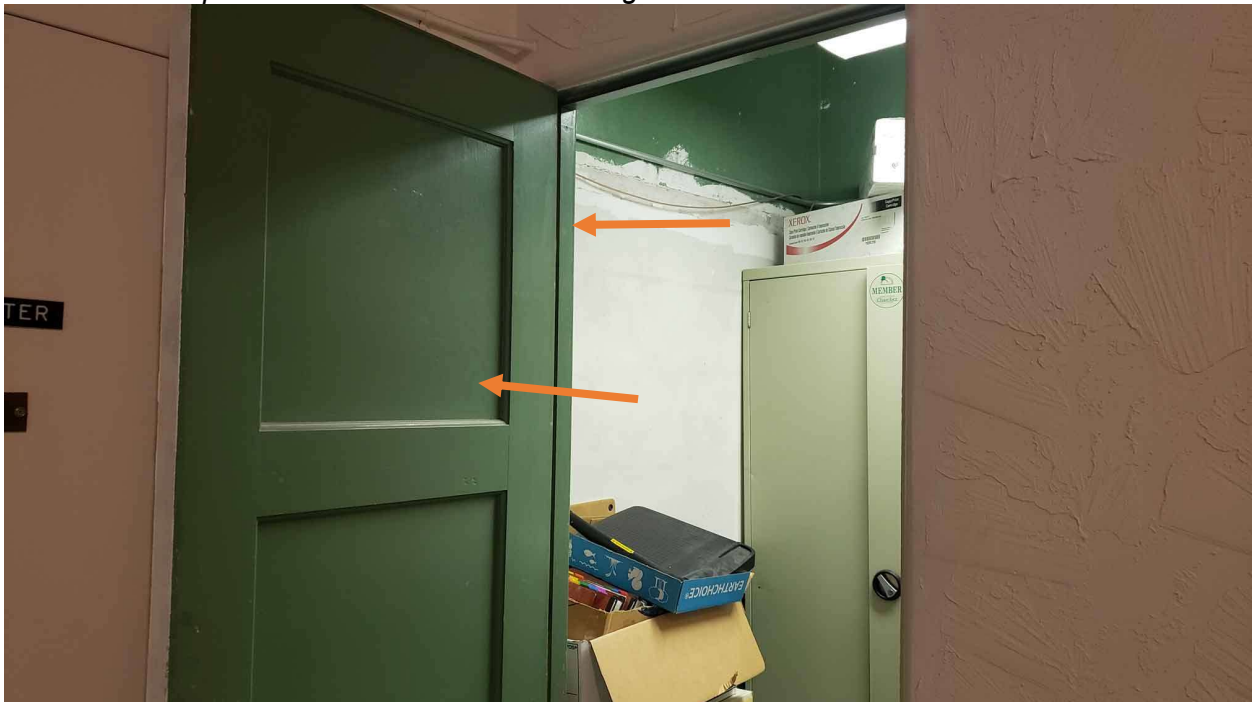


Photo 6: The green door (sample Pb-61) and door frame (Pb-63) for Storage Closet D contain LBP in concentrations of 1.1 mg/cm² and 1.7 mg/cm² respectively.

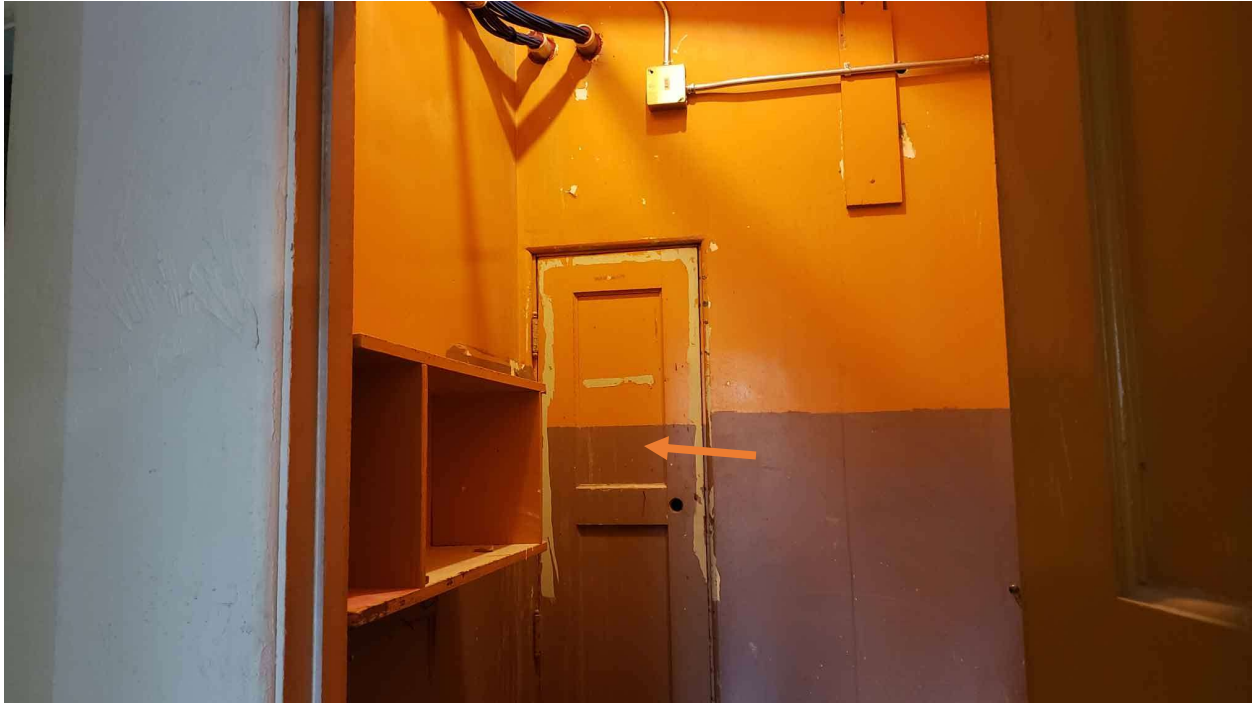


Photo 7: Door in Wall C of the Custodial Closet contains lead-based paint on both the orange (Pb-66) and brown (Pb-67) portions of the door in concentrations of 1.7 mg/cm² and 2.4 mg/cm² respectively.

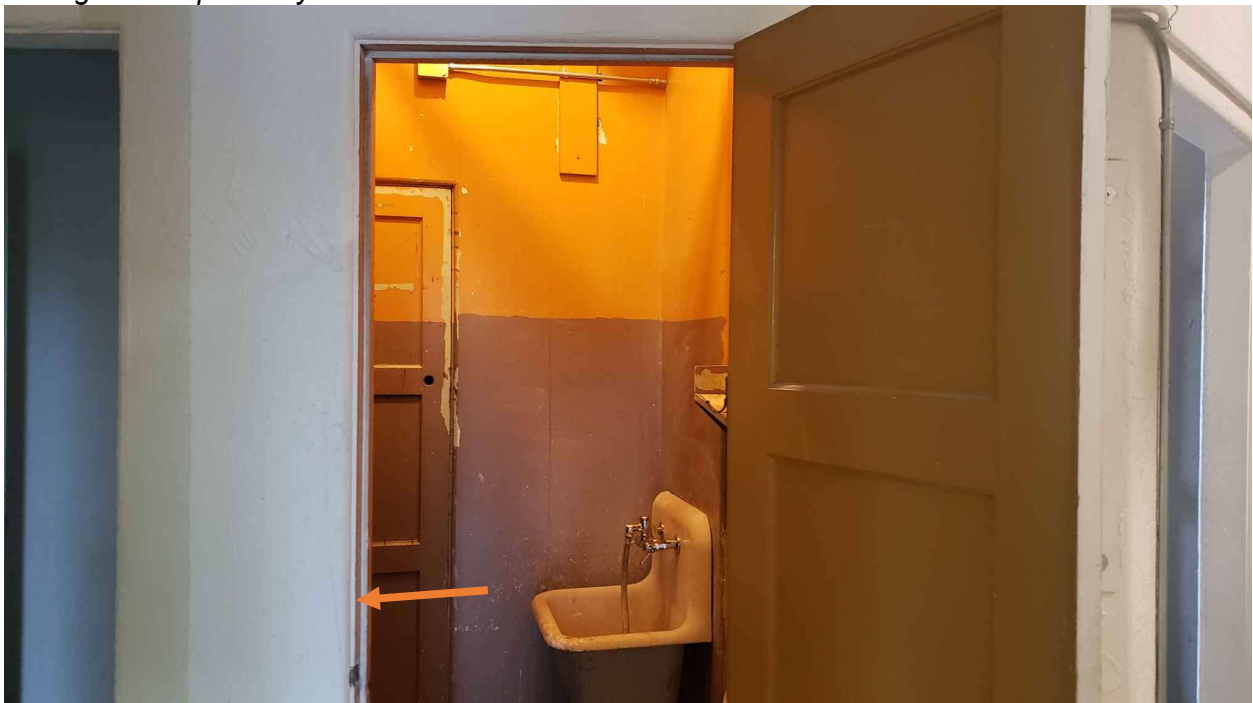


Photo 8: The door frame to the hallway from Custodial Closet A (sample Pb-72) contained LBP at a concentration of 1.7 mg/cm².

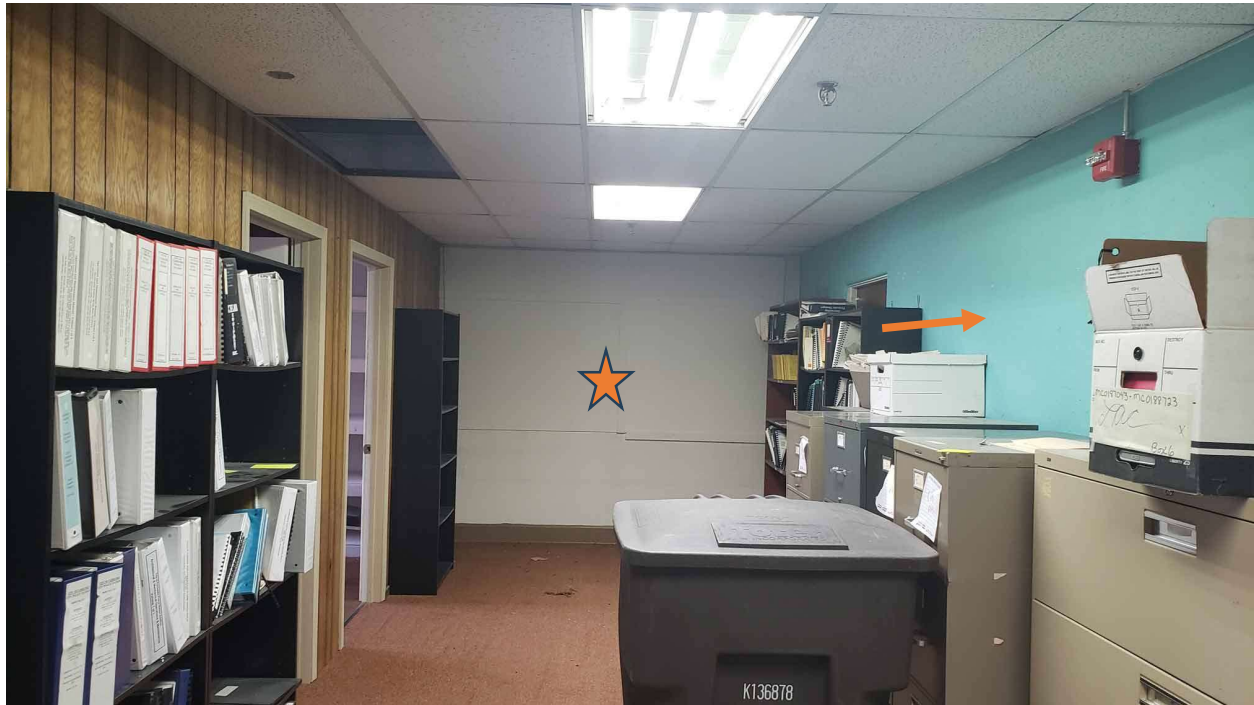


Photo 9: Wall R in Classroom 3 (star, sample Pb-92) contains LBP at a concentration of 1.1 mg/cm². Baseboard on Wall S (baseboard not shown, arrow points to Wall S) contains LBP at a concentration of 1.2 mg/cm².

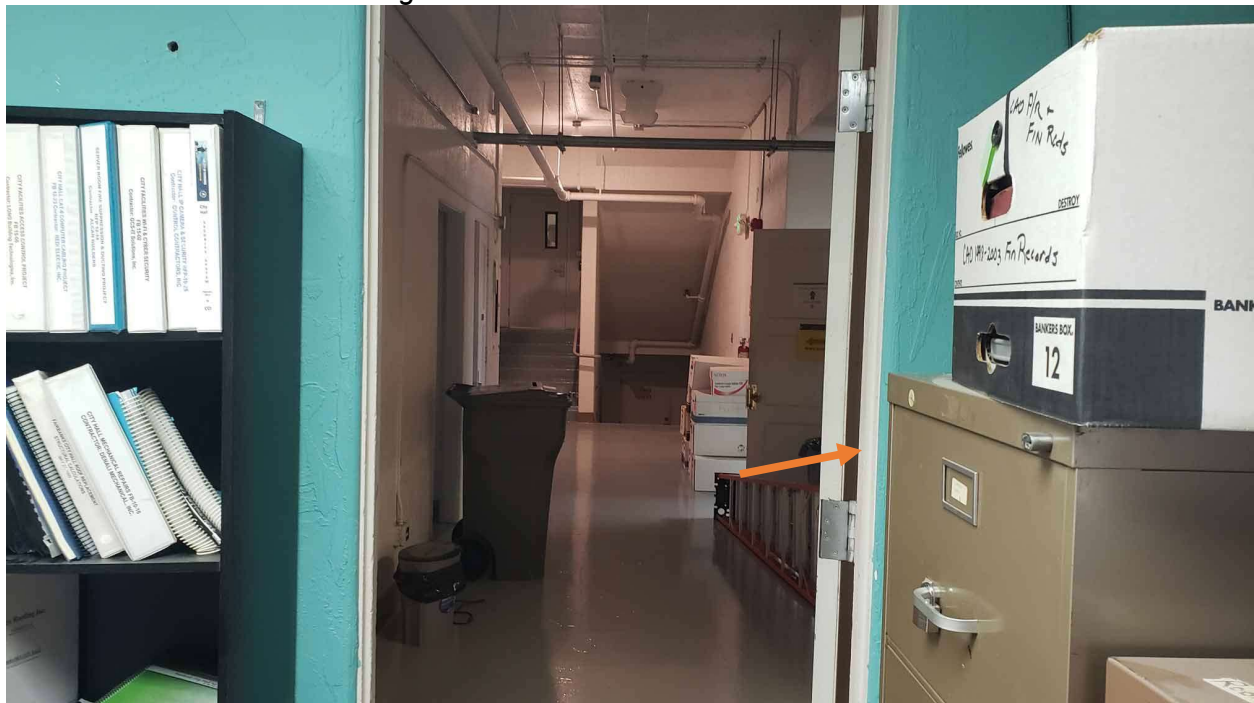


Photo 10: Main Door Frame in Wall S of Classroom 3 (Pb-98) contains LBP at a concentration of 1.7 mg/cm².

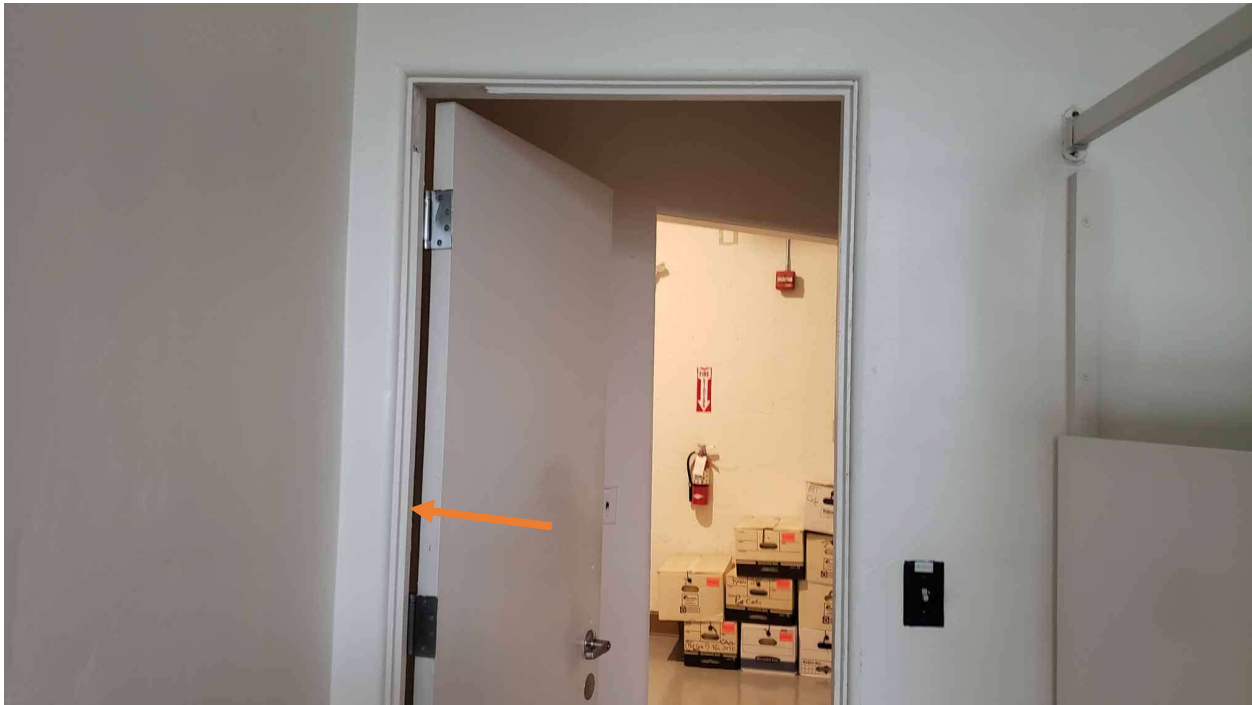


Photo 11: Door frame in Bathroom B (sample Pb-101) contains LBP at a concentration of 1.2 mg/cm².

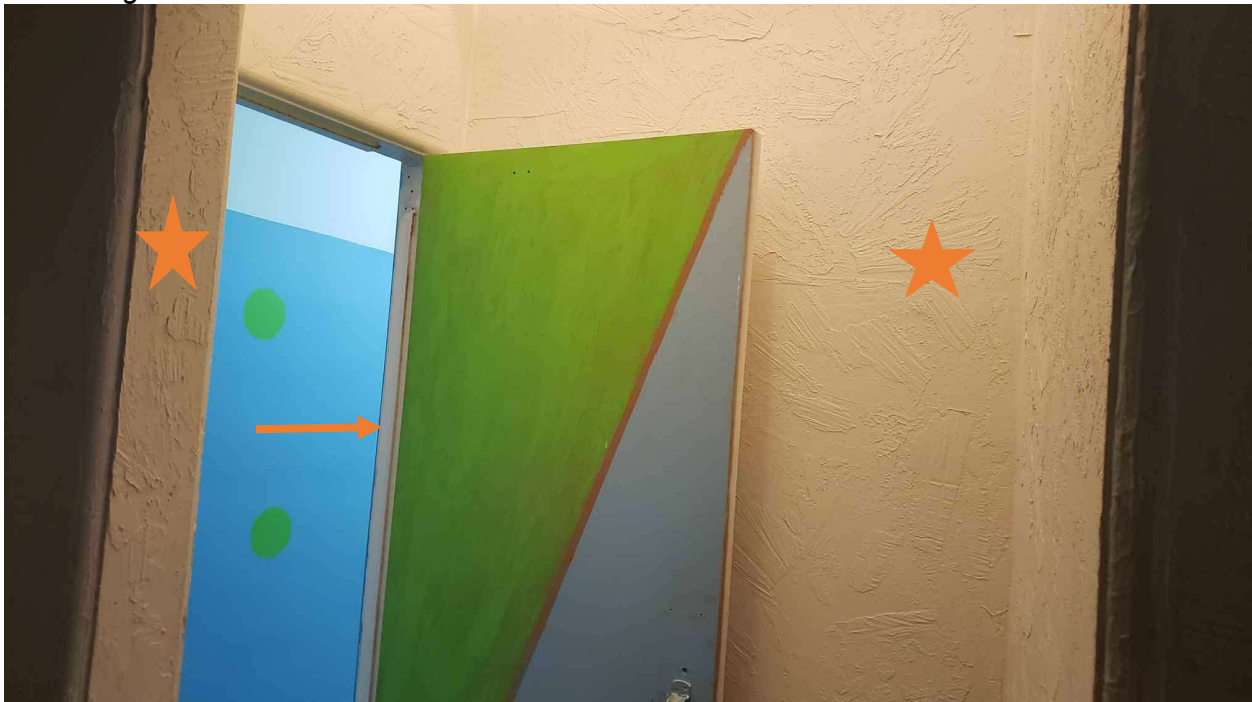


Photo 12: The entry way walls (Pb-114 and Pb-116, stars) to Bathroom C contained LBP in concentrations of 1.1 mg/cm² and 1.2 mg/cm² respectively. The door frame in Bathroom B (sample Pb-101) contains LBP at a concentration of 1.1 mg/cm² and 1.2 mg/cm² respectively. The door frame to Bathroom C (sample Pb-117, arrow) contains LBP at a concentration of 2.7 mg/cm².

Appendix 3



Calibration Check Test Results

Site Address 800 Cushman Street, Fairbanks AK
 Project No. 23-1058 Date 8/8/2023
 Device Fairbanks Niton XRF Serial No. _____
 Contractor NORTECH
 Inspector Name Jennifer Stutamore Signature _____

NIST SRM Used 2533 mg/cm² Calibration Check Tolerance Used 0.8-1.2 mg/cm²
 First Calibration Check 0920

NIST SRM			First Average	Difference Between First Average and NIST SRM*
First Reading	Second Reading	Third Reading		
0.8	1.1	1.1	1.0	- 0.04

Second Calibration Check 1310

NIST SRM			Second Average	Difference Between Second Average and NIST SRM*
First Reading	Second Reading	Third Reading		
1.4	0.9	0.9	1.06	+ 0.02

Third Calibration Check (if required) 1402

NIST SRM			Third Average	Difference Between Third Average and NIST SRM*
First Reading	Second Reading	Third Reading		
1.0	0.8	0.9	0.9	- 0.14

Fourth Calibration Check (if required)

NIST SRM			Fourth Average	Difference Between Fourth Average and NIST SRM*
First Reading	Second Reading	Third Reading		

*If the difference of the Calibration Check Average from the NIST SRM film value is greater than the specified Calibration Check Tolerance for this device, consult the manufacturer's recommendations to bring the instrument back into control. Retest all testing combinations tested since the last successful Calibration Check test.



Single-Family Housing LBP Testing Data Sheet

800
Cushman Street
Project Location: Classroom 1 / Closet E
Room Equivalent: Classroom
Inspector Name: Jennifer Stutamore
Certification No.: LBP-1-11982954-2

Date: 8/8/2023
Project No.: 23-1058
XRF Serial No.: _____
Signature: Jennifer Stutamore

Sample ID	Photo ID	Substrate	Component	Color	Test Locations	XRF Reading mg/cm ²	Result
Pb-01		plaster	wall	white	wall A left of door, upper	φ. φφ	negative
Pb-02		plaster	wall	black	wall A left of door, lower	φ. φφ	
Pb-03		plaster	wall	white	wall A under vent	φ. φφ	
Pb-04		plaster	wall	black	wall A under vent	φ. 19	
Pb-05		plaster	wall	white	wall B, center	φ. φφ	
Pb-06		plaster	wall	black	wall B, center	φ. 01	
Pb-07	GW3	plaster	wall	white	wall C	φ. φφ	
Pb-08	GW3	plaster	wall	black	wall C	φ. φφ	
Pb-09		metal	radiator cover	white	radiator below window	φ. 13	
Pb-10		wood	window	white	window sill, window	φ. φφ	
Pb-11		wood	door	white	closet E door, ext	φ. 4	
Pb-12		concrete	wall	white green under pink	closet E wall A	φ. 2φ	
Pb-13		wood	shelves	pink	built in shelves, room E	φ. 02	
Pb-14	GW3	plaster	wall	white	wall D	φ. φφ	
Pb-15	GW3	plaster	black ← wall	black	wall D	φ. φφ	
Pb-36		wood	door	white	door frame to hall	1.4	positive
Pb-37		wood	door	white	door to hall	0.9	negative



Single-Family Housing LBP Testing Data Sheet

Project Location: 800 Cushman
 Room Equivalent: Classroom 2/closet F
 Inspector Name: Jennifer Stutamore
 Certification No.: LBP-1-1298254-2

Date: 8/8/23
 Project No.: 23-1058
 XRF Serial No.: _____
 Signature: Jennifer Stutamore

Sample ID	Photo ID	Substrate	Component	Color	Test Locations	XRF Reading mg/cm ²	Result
Pb-16		plaster	wall	white	wall A, closet F	ϕ.ϕϕ	negative
Pb-17		plaster	wall	white	wall B, closet F	ϕ.ϕϕ	
Pb-18		plaster	wall	white	wall C, closet F	ϕ.ϕϕ	
Pb-19		concrete	ceiling	white	ceiling, closet F	ϕ.5ϕ	
Pb-20		plaster	wall	white	wall D, closet F	ϕ.ϕϕ	
Pb-21		wood	sink	white	built in sink cabinets	ϕ.ϕϕ	
Pb-22	concrete	plaster	wall	white	wall A, middle	ϕ.ϕ2	
Pb-22 ²	38	concrete	wall	white	Wall b/u windows 2 & 3	ϕ.ϕ4	
Pb-23	248	concrete	window	white	window sill window 2	ϕ.ϕϕ	
Pb-25		concrete	wall	white	wall C, middle	ϕ.7ϕ	
Pb-26		concrete	wall	white	wall D, middle	ϕ.02	
Pb-27		wood	wall	white	wall C "patch" wood	ϕ.ϕϕ	
Pb-28		metal	baseboard	white	wall C baseboard	ϕ.6	
Pb-29		wood	door frame	yellow	door frame to closet F	1.1	positive
Pb-30		wood	door	white	door to closet F	ϕ.ϕϕ	negative
Pb-31		wood	door	white	door frame to hall	1.8	positive
Pb-32		wood	door	white	door to hall	1.4	positive
Pb-33		concrete	wall	white	Classroom 2, left side door	ϕ.ϕ7	negative
Pb-34		concrete	wall	white	classroom 2, left door	ϕ.ϕϕ	negative



Single-Family Housing LBP Testing Data Sheet

Project Location: 800 Cushman St Date: 8/8/2023
 Room Equivalent: hallway pgl Project No.: 23-1058
 Inspector Name: Jennifer Stutamore XRF Serial No.: _____
 Certification No.: LBP-1-1298254-2 Signature: Jennifer Stutamore

① may be some sort of tile under paint? faint pattern

Sample ID	Photo ID	Substrate	Component	Color	Test Locations	XRF Reading mg/cm ²	Result
Pb 35		tile concrete	floor ①	grey	floor in front of Classroom	∅-∅∅	Negative
Pb 38		concrete	ceiling	white	ceiling in middle of hall	∅-∅∅	I
Pb 39		w plaster	wall	white	hallway b/w CR#1 & stairs	1.3	positive
Pb 40			door	white	door to Boy & Girls Club	∅-∅	negative
Pb 41		plaster	wall	white	wall by "up" stairs	1.2	positive
Pb 42		metal	door	white	door frame @ top stairs	∅-∅	Negative
Pb 43		wood	door	white	door @ top of stairs	∅-∅	I
Pb 44		plaster	wall	white	wall by "patience" door	∅.1	I
Pb 45		plaster	wall	white	hallway wall	1.1	positive
Pb 46		plaster	wall	brown	hallway "baseboard"	∅.5	negative
Pb 47		plaster	wall	white	hallway wall	∅.5	I
Pb 48	vinyl?	plaster	wall	brown	hallway "baseboard"	∅-∅∅	I
Pb 49		metal	door	white	door ^{frame} to exterior	∅.14	I
Pb 50		metal	door	white	door to exterior	∅-∅7	I
Pb 51		plaster	wall	white	hallway wall	∅.18	I
Pb 52		plaster	wall	brown	hall way "baseboard"	∅.∅1	I
Pb 53		c	door	white	door frame to B&G club * Door locked, no access		
Pb 54		plaster	wall	white	stairway dividing wall to B&G club	∅.8	negative
Pb 55		plaster	wall	white	stair wall to B&G club	1.7	positive



Single-Family Housing LBP Testing Data Sheet

Project Location: 800 Cushman St
Room Equivalent: hallway pg 2
Inspector Name: Jennifer Stotamore
Certification No.: Jennifer Stotamore

Date: 8/8/2023
Project No.: 23-1058
XRF Serial No.: _____
Signature: Jennifer Stotamore

Sample ID	Photo ID	Substrate	Component	Color	Test Locations	XRF Reading mg/cm ²	Result
56		metal?	wall	white	wall left of door to main building	0.0	negative
57		metal?	wall	white	wall right of	0.0	negative
58		plaster	wall	white	wall, bathroom side @ "2"	1.0	negative
59		plaster	wall	white	wall b/w bathroom B & storage D	0.7	negative
136		plaster	wall	white	Classroom side by Class 3	0.6	negative
137		plaster	wall	white	wall, bathroom side by bath B	0.9	negative
138		concrete	ceiling	white	ceiling	0.00	negative



Single-Family Housing LBP Testing Data Sheet

Storage Closet D

Project Location: 800 Cushman St

Date: 8/8/23

Room Equivalent: ~~Classroom 1 / closet E 25~~

Project No.: 23-1058

Inspector Name: Jennifer Stawomore

XRF Serial No.: _____

Certification No.: LBP-1-19854-2

Signature: Jennifer Stawomore

Sample ID	Photo ID	Substrate	Component	Color	Test Locations	XRF Reading mg/cm ²	Result
Pb-60		wood	door	white	hallway side of door	0.9	negative
Pb-61		wood	door	dk-green	closet side of door	1.1	positive
Pb-62		concrete	wall	dk-green	wall A	0.5	negative
Pb-63		wood	door frame	dk-green	door frame	1.7	positive



Single-Family Housing LBP Testing Data Sheet

Project Location: 800 Cushman St
 Room Equivalent: Closet A (custodial)
 Inspector Name: Jennifer Stoutamore
 Certification No.: LBP-1-1798254-2

Date: 8/8/23
 Project No.: 23-1058
 XRF Serial No.: _____
 Signature: Jennifer Stoutamore

Sample ID	Photo ID	Substrate	Component	Color	Test Locations	XRF Reading mg/cm ²	Result
Pb 64		wood	door	white	door, hall side	0.70	negative
Pb 65		wood	door	orange	door, closet side	0.90	negative
Pb 66		wood	door	brown	int. door wall C, int	1.7	positive
Pb 67		wood	door	orange	door, wall C, int	2.4	positive
Pb 68		concrete	wall	brown	wall above sink	0.13	negative
Pb 69		concrete	wall	orange	wall D above sink	0.16	negative
Pb 70		wood	shelf	brown	wall B D	0.01	negative
Pb 71		wood	shelf	brown	wall B	0.05	negative
Pb 72		wood	door	orange	door frame to hallway	1.7	positive
Pb 73		wood	door	orange	wall C door frame	0.9	negative
Pb 74		concrete	wall	brown	door wall C wall B	0.13	negative
138		concrete	wall	orange	wall B	0.15	negative



Single-Family Housing LBP Testing Data Sheet

Project Location: 800 Cushman St. Date: 8/8/2023
 Room Equivalent: Classroom 3 / Closet 3 pg 1 Project No.: 23-1058
 Inspector Name: Jennifer Stoutamore XRF Serial No.: _____
 Certification No.: LBP-1-198254-2 Signature: Jennifer Stoutamore

Sample ID	Photo ID	Substrate	Component	Color	Test Locations	XRF Reading mg/cm ²	Result
Pb75		concrete	wall	white	wall A	0.4	negative
Pb76		wood	wall/frame	blue	wall A	0.02	
Pb77		wood	wall/patch	white	wall A	0.00	
Pb78		wood(?)	wall	brown	wall A baseboard	0.11	
Pb79		plaster	wall	white	wall D	0.00	
Pb80		concrete	wall	beige	wall E under window	0.24	
Pb81		metal	radiator	white	wall E radiator	0.05	
Pb82		wood	door	white	wall B door "Attorney Doss"	0.00	
Pb83		metal	door	beige	wall B door frame	0.00	
Pb84		metal	door	beige	wall G door frame	0.00	
Pb85		wood	door	white	wall G door "Human Resource"	0.0	
Pb86		wood	wall	beige	wall J window sill	0.0	
Pb87		concrete	door	white	wall J under window	0.18	
Pb88		metal	door	beige	wall L door frame	0.0	
Pb89		wood	door	white	wall L door "Clerk"	0.0	
Pb90		concrete	wall	beige	wall N under window	0.4	
Pb91		plaster	wall	white	wall O	0.21	
Pb92		concrete	wall	white	wall R, middle	1.1	positive
Pb93		metal	wall	beige	wall R, baseboard	0.27	negative



Single-Family Housing LBP Testing Data Sheet

Project Location: 800 Cushman St Date: 8/8/2023
 Room Equivalent: Classroom 3 / Closet 3 pg 2 Project No.: 23-1058
 Inspector Name: Jennifer Stautamore XRF Serial No.: _____
 Certification No.: LBP-1-1298254-2 Signature: Jennifer Stautamore

Sample ID	Photo ID	Substrate	Component	Color	Test Locations	XRF Reading mg/cm ²	Result
Pb94		plaster	wall	blue	wall S by wall R	0.01	negative
Pb95		metal	wall	brown	wall S baseboard	1.2	positive
Pb96		metal	wall	brown	wall R baseboard near wall S	0.30	negative
Pb97		plaster	wall	blue	wall S, right of door	0.30	negative
Pb98		wood	door	white	door frame, wall S	1.7	positive
Pb99		metal	door	white	door wall S	0.00	negative
Pb-131		concrete	ceiling	white	ceiling	0.18	negative



Single-Family Housing LBP Testing Data Sheet

Project Location: 800 Cushman

Date: 8/8/2023

Room Equivalent: Bathroom B

Project No.: 23-1058

Inspector Name: Jennifer Stotamora

XRF Serial No.: _____

Certification No.: Jenifer Stotamora

Signature: LBP-1-1798254-2

Sample ID	Photo ID	Substrate	Component	Color	Test Locations	XRF Reading mg/cm ²	Result	
100		plaster	wall	white	entry way wall, rt of door	ϕ.8ϕ	negative	
101		wood	door	white	bathroom door frame	1.2ϕ	positive	
102		wood	door	white	bathroom door	ϕ.ϕ4	negative	
103		wood	door	white	stall 1 door	ϕ.ϕϕ		
104		wood	wall	white	stall 1/2 divider	ϕ.18		
105		concrete	wall	white	wall A, stall 1	ϕ.6ϕ		
106		concrete	wall	white	wall B above sinks	ϕ.ϕϕ		
107		wood	beige	sink	sink cabinet	ϕ.ϕϕ		
108		concrete	white wall	white	wall C under window	ϕ.4		
109		metal	wall	white	wall C baseboard	ϕ.4		
110		concrete	wall	white	wall D, middle	ϕ.ϕϕ		
111		metal	wall	white	wall D baseboard	ϕ.ϕ2		
112		wood	wall	white	urinal dividers	ϕ.24		
113		metal	wall	brown	entry way baseboard	ϕ.5		└



Single-Family Housing LBP Testing Data Sheet

Project Location: 800 Cushman
 Room Equivalent: Bathroom C P51
 Inspector Name: Jennifer Stautamore
 Certification No.: LBP-1-1298254-2

Date: 8/8/2023
 Project No.: 23-1058
 XRF Serial No.: _____
 Signature: Jennifer Stautamore

Sample ID	Photo ID	Substrate	Component	Color	Test Locations	XRF Reading mg/cm ²	Result
114		plaster	wall	white	entryway right wall	1.1	positive
115		plaster	wall	white	entry wall by door	0.9	negative
116		plaster	wall	white	entry wall left door	1.2	positive
117		wood	door	white	door frame to bathroom	2.7	positive
118		wood	door	white	ext. of bathroom door	φ-φφ	negative
119		wood	door	blue	int. of bathroom door	φ-φφ	
120		wood	door	green	int. of bathroom door	φ-φ2	
121		concrete	floor	gray blue	bathroom floor	φ.4φ	
122		concrete	wall	blue	wall A	φ.4	
123		concrete	wall	lime green	wall A	φ.4	
124			wall	lime green	wall A baseboard	φ.4	
125		concrete	wall	blue	wall B	φ-8φ	
126		concrete	wall	lime green	wall B	φ-5φ	
127		concrete	wall	lime green	wall B baseboard	φ-6φ	
128		concrete	wall	white	wall B, high up	φ-04	
129		concrete	wall	blue	wall C under window	φ.4	
130		concrete	wall	white	wall C upper 1/2	φ-φ	
131		concrete	wall	blue	wall D	φ-φ	
132A		concrete	wall	white	wall D	φ-φ	



Single-Family Housing LBP Testing Data Sheet

Project Location: 800 Cushman Street
 Room Equivalent: Bathroom C of 2
 Inspector Name: Jennifer Stutamore
 Certification No.: LBP-1-1298254-2

Date: 8/8/2023
 Project No.: 23-1058
 XRF Serial No.: _____
 Signature: Jennifer Stutamore

Sample ID	Photo ID	Substrate	Component	Color	Test Locations	XRF Reading mg/cm ²	Result
132B		concrete	wall	lime gr.	wall D baseboard	0.5	negative
133		wood?	wall	brown	toilet stall divider	0.22	I
134		wood?	wall	lime gr.	toilet stall divider	0.01	I
135		plaster	wall	white	hallway left of door	1.3	positive
Pb140		concrete	ceiling	white	ceiling	0.09	negative



Single-Family Housing LBP Testing Data Sheet

Project Location: 800 Cushman St

Date: 8/8/23

Room Equivalent: Build exterior, north side

Project No.: 23-1058

Inspector Name: Jennifer Stoutamore

XRF Serial No.: _____

Certification No.: LBP-1-1798254-2

Signature: Jennifer Stoutamore

Sample ID	Photo ID	Substrate	Component	Color	Test Locations	XRF Reading mg/cm ²	Result
Pb 136		concrete	wall	beige	second story @ fire escape	ϕ.2ϕ	negative
Pb 137		concrete	wall	grey	1st story @ fire escape	ϕ.06	negative

Appendix 4

Performance Characteristic Sheet

EFFECTIVE DATE: September 24, 2004

EDITION NO.: 1

MANUFACTURER AND MODEL:

Make: Niton LLC

Tested Model: XLp 300

Source: ^{109}Cd

Note: This PCS is also applicable to the equivalent model variations indicated below, for the Lead-in-Paint K+L variable reading time mode, in the XLi and XLp series:

XLi 300A, XLi 301A, XLi 302A and XLi 303A.

XLp 300A, XLp 301A, XLp 302A and XLp 303A.

XLi 700A, XLi 701A, XLi 702A and XLi 703A.

XLp 700A, XLp 701A, XLp 702A, and XLp 703A.

Note: The XLi and XLp versions refer to the shape of the handle part of the instrument. The differences in the model numbers reflect other modes available, in addition to Lead-in-Paint modes. The manufacturer states that specifications for these instruments are identical for the source, detector, and detector electronics relative to the Lead-in-Paint mode.

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Lead-in-Paint K+L variable reading time mode.

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm ² (inclusive)

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm² in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm² film).

If readings are outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instruments into control before XRF testing proceeds.

SUBSTRATE CORRECTION:

For XRF results using Lead-in-Paint K+L variable reading time mode, substrate correction is not needed for:

Brick, Concrete, Drywall, Metal, Plaster, and Wood

INCONCLUSIVE RANGE OR THRESHOLD:

K+L MODE READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm ²)
Results not corrected for substrate bias on any substrate	Brick	1.0
	Concrete	1.0
	Drywall	1.0
	Metal	1.0
	Plaster	1.0
	Wood	1.0

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated from the EPA/HUD evaluation using archived building components. Testing was conducted in August 2004 on 133 testing combinations. The instruments that were used to perform the testing had new sources; one instrument's was installed in November 2003 with 40 mCi initial strength, and the other's was installed June 2004 with 40 mCi initial strength.

OPERATING PARAMETERS:

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Substrate correction is not needed for brick, concrete, drywall, metal, plaster or wood when using Lead-in-Paint K+L variable reading time mode, the normal operating mode for these instruments. If substrate correction is desired, refer to Chapter 7 of the HUD Guidelines for guidance on correcting XRF results for substrate bias.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing. Use the K+L variable time mode readings.

Conduct XRF retesting at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below.

Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family housing a result is defined as the average of three readings. In multifamily housing, a result is a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF results.

Compute the average of all ten re-test XRF results.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

For the Lead-in-Paint K+L variable reading time mode, the instrument continues to read until it is moved away from the testing surface, terminated by the user, or the instrument software indicates the reading is complete. The following table provides testing time information for this testing mode. The times have been adjusted for source decay, normalized to the initial source strengths as noted above. Source strength and type of substrate will affect actual testing times. At the time of testing, the instruments had source strengths of 26.6 and 36.6 mCi.

Testing Times Using K+L Reading Mode (Seconds)						
Substrate	All Data			Median for laboratory-measured lead levels (mg/cm ²)		
	25 th Percentile	Median	75 th Percentile	Pb < 0.25	0.25 ≤ Pb < 1.0	1.0 ≤ Pb
Wood Drywall	4	11	19	11	15	11
Metal	4	12	18	9	12	14
Brick Concrete Plaster	8	16	22	15	18	16

CLASSIFICATION RESULTS:

XRF results are classified as positive if they are greater than or equal to the threshold, and negative if they are less than the threshold.

DOCUMENTATION:

A document titled *Methodology for XRF Performance Characteristic Sheets* provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. For a copy of this document call the National Lead Information Center Clearinghouse at 1-800-424-LEAD.

This XRF Performance Characteristic Sheet was developed by the Midwest Research Institute (MRI) and QuanTech, Inc., under a contract between MRI and the XRF manufacturer. HUD has determined that the information provided here is acceptable when used as guidance in conjunction with Chapter 7, Lead-Based Paint Inspection, of HUD's *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*.

Appendix 5



Small Entity Compliance Guide to Renovate Right EPA's Lead-Based Paint Renovation, Repair, and Painting Program

A handbook for contractors,
property managers and
maintenance personnel
working in homes and
child-occupied facilities
built before 1978.



Who Should Read this Handbook?

- Anyone who owns or manages housing or child-occupied facilities built before 1978.
- Contractors who perform activities that disturb painted surfaces in homes and child-occupied facilities built before 1978 (including certain repairs and maintenance, and painting preparation activities).

About this Handbook

This handbook summarizes requirements of EPA's 2008 Lead-Based Paint Renovation, Repair and Painting Program Rule (as amended in 2010 and 2011), aimed at protecting against lead-based paint hazards associated with renovation, repair and painting activities. The rule requires workers to be trained to use lead-safe work practices and requires renovation firms to be EPA-certified; these requirements became fully effective April 22, 2010.

To ensure compliance, you should also read the complete rule on which the program is based. While EPA has summarized the provisions of the rule in this guide, the legal requirements that apply to renovation work are governed by EPA's 2008 Lead Rule. A copy of the rule is available on EPA's website at

www.epa.gov/lead/pubs/renovation.htm.

A companion pamphlet, entitled *The Lead-Safe Certified Guide to Renovate Right: Important Lead Hazard Information for Families, Child Care Providers, and Schools* (EPA-740-K-10-001), has been prepared in conjunction with the rule for distribution to persons affected by work that disturbs lead-based paint. (See page 17 for information on how to get copies of the rule, the *Renovate Right* pamphlet, and other related materials.)

Other state or local requirements that are different from or more stringent than the federal requirements may apply in your state. For example, federal law allows EPA to authorize states to administer their own program in lieu of the federal lead program. Even in states without an authorized lead program, a state may promulgate its own rules that may be different or go beyond the federal requirements. For more information on the rules that apply in your state, please contact the National Lead Information Center at 1-800-424-LEAD (5323).

Your feedback is important. Please review this guide and contact the National Lead Information Center at 1-800-424-LEAD (5323) with any comments regarding its usefulness and readability, and improvements you think are needed.

This document is published by the Environmental Protection Agency (EPA) as the official compliance guide for small entities, as required by the Small Business Regulatory Enforcement Fairness Act of 1996 (SBREFA). Before you begin using the guide, you should know that the information in this guide was originally published in June 2008, and was revised in July 2010 and September 2011 to address regulatory revisions. EPA is continually improving and upgrading its rules, policies, compliance programs, and outreach efforts. To find out if EPA has revised or supplemented the information in this guide call the National Lead Information Center at 1-800-424-LEAD (5323).

What Is the Lead-Based Paint Renovation, Repair and Painting Program (RRP)?

- The Lead-Based Paint Renovation, Repair and Painting Program is a federal regulatory program affecting contractors, property managers, and others who disturb painted surfaces.
- It applies to residential houses, apartments, and child-occupied facilities such as schools and day-care centers built before 1978.
- It includes pre-renovation education requirements as well as training, certification, and work practice requirements.
 - Pre-renovation education requirements:
 - Contractors, property managers, and others who perform renovations for compensation in residential houses, apartments, and child-occupied facilities built before 1978 are required to distribute a lead pamphlet before starting renovation work.
 - Training, certification, and work practice requirements:
 - Firms are required to be certified, their employees must be trained (either as a certified renovator or on-the-job by a certified renovator) in use of lead-safe work practices, and lead-safe work practices that minimize occupants' exposure to lead hazards must be followed.
 - Renovation is broadly defined as any activity that disturbs painted surfaces and includes most repair, remodeling, and maintenance activities, including window replacement.
 - The program includes requirements implementing both Section 402(c) and 406(b) of the Toxic Substances Control Act (TSCA). (www.epa.gov/lead/pubs/titleten.html)
 - EPA's lead renovation regulations can be found at 40 CFR Part 745, Subpart E.

How Can this Handbook Help Me?

- Understanding the lead program's requirements can help you protect your customers from the hazards of lead and can, therefore, mean more business for you.
- This handbook presents simple steps to follow to comply with the EPA's lead program. It also lists ways these steps can be easily incorporated into your work.
- Distributing the lead pamphlet and incorporating required work practices into your job site will help protect your customers and occupants from the hazards of lead-based paint.

Who Must Follow the Renovation, Repair and Painting Rule's Requirements?

In general, anyone who is paid to perform work that disturbs paint in housing and child-occupied facilities built before 1978, this may include, but is not limited to:

- Residential rental property owners/managers
- General contractors
- Special trade contractors, including
 - Painters
 - Plumbers
 - Carpenters
 - Electricians



What Activities Are Subject to the Lead Renovation, Repair and Painting Program?

In general, any activity that disturbs paint in pre-1978 housing and child-occupied facilities, including:

- Remodeling and repair/maintenance
- Electrical work
- Plumbing
- Painting preparation
- Carpentry
- Window replacement



What Housing or Activities Are Excluded and Not Subject to the Rule?

- Housing built in 1978 or later.
- Housing for elderly or disabled persons, unless children under 6 reside or are expected to reside there.
- Zero-bedroom dwellings (studio apartments, dormitories, etc.).
- Housing or components that have been declared lead-free. Such a declaration can be made by a certified inspector or risk assessor. Also, a certified renovator may declare specific components lead-free using an EPA recognized test kit or by collecting paint chip samples and obtaining test results from an EPA recognized laboratory showing the components do not contain lead-based paint.
- Minor repair and maintenance activities that disturb 6 square feet or less of paint per room inside, or 20 square feet or less on the exterior of a home or building.
 - Note: minor repair and maintenance activities do not include window replacement and projects involving demolition or prohibited practices.

What Does the Program Require Me To Do?

Pre-renovation education requirements.

- In housing built before 1978, you must:
 - Distribute EPA's lead pamphlet (www.epa.gov/lead/pubs/brochure.htm) to the owner and occupants before renovation starts.
- In a child-occupied facility, you must:
 - Distribute the lead pamphlet to the owner of the building or an adult representative of the child-occupied facility before the renovation starts.
 - Either distribute renovation notices to parents/guardians of the children attending the child-occupied facility, or post informational signs about the renovation or repair job.
- For work in common areas of multi-family housing, you must:
 - Either distribute renovation notices to tenants or post informational signs about the renovation or repair job.
- Informational signs must:
 - Be posted where they will be seen;
 - Describe the nature, locations, and dates of the renovation; and
 - Be accompanied by the lead pamphlet or by information on how parents and guardians can get a free copy (see page 29 for information on obtaining copies).
- Obtain confirmation of receipt of the lead pamphlet (see page 23) from the owner, adult representative, or occupants (as applicable), or a certificate of mailing from the post office.
- Retain records for three years.
- *Note:* Pre-renovation education requirements do not apply to emergency renovations. Emergency renovations include interim controls performed in response to a resident child with an elevated blood-lead level.

Training, Certification, and Work Practice Requirements.

- All firms must be certified (even sole-proprietors).
- All renovators must be trained.
- Lead-safe work practices must be followed. Examples of these practices include:
 - Work-area containment to prevent dust and debris from leaving the work area.
 - Prohibition of certain work practices like open-flame burning and the use of power tools without HEPA exhaust control.
 - Thorough clean up followed by a verification procedure to minimize exposure to lead-based paint hazards.

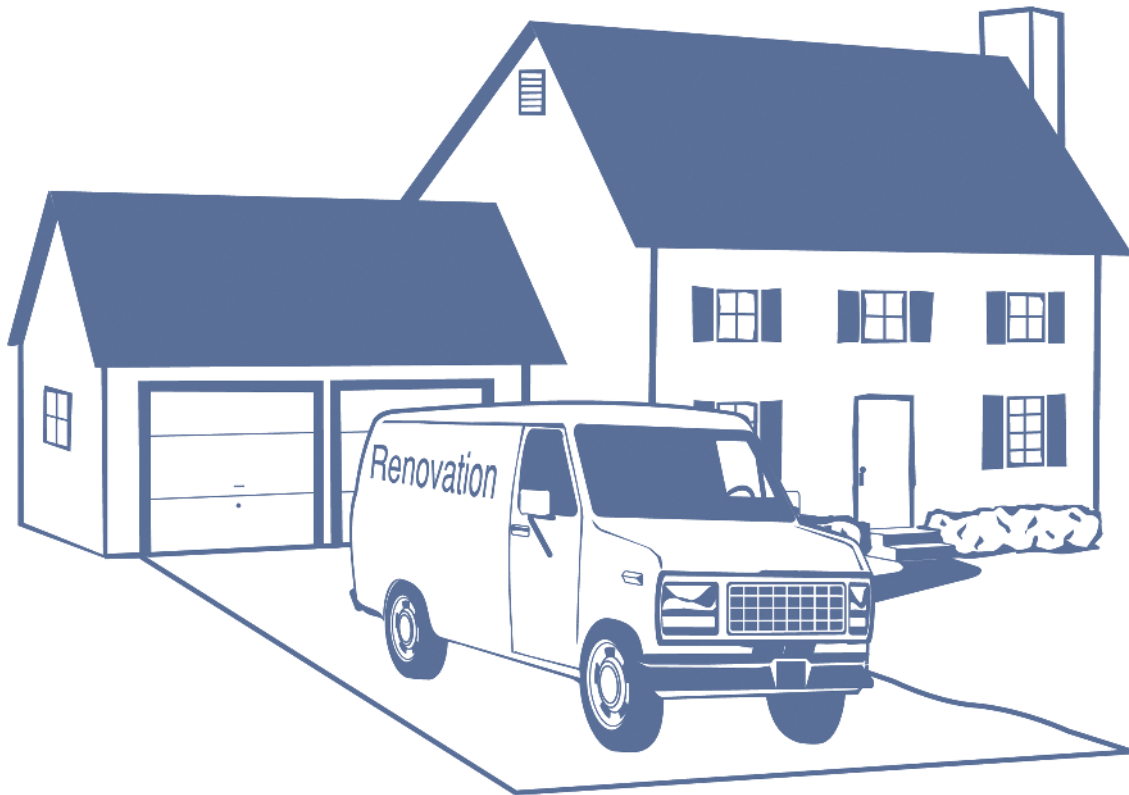
How Does a Firm Become Certified?

Firms must apply to EPA for certification to perform renovations or dust sampling. To apply, a firm must submit to EPA a completed “Application for Firms,” signed by an authorized agent of the firm, and pay the correct amount of fees. To obtain a copy of the “Application for Firms” contact the NLIC at 1-800-424-LEAD (5323) or visit www.epa.gov/getleadsafe.

What Are the Responsibilities of a Certified Firm?

Firms performing renovations must ensure that:

1. All individuals performing activities that disturb painted surfaces on behalf of the firm are either certified renovators or have been trained by a certified renovator.
2. A certified renovator is assigned to each renovation and performs all of the certified renovator responsibilities.
3. All renovations performed by the firm are performed in accordance with the work practice standards of the Lead-Based Paint Renovation, Repair, and Painting Program (see the flowchart on page 9 for details about the work practice standards).
4. Pre-renovation education and lead pamphlet distribution requirements of the Lead-Based Paint Renovation, Repair, and Painting Program are performed.
5. The program’s recordkeeping requirements are met.



How Does a Renovator Become Certified?

To become a certified renovator an individual must successfully complete an eight-hour initial renovator training course offered by an accredited training provider (training providers are accredited by EPA, or by an authorized state or tribal program). The course completion certificate serves as proof of certification. To find a trainer in your area contact the NLIC at 1-800-424-LEAD (5323) or visit www.epa.gov/getleadsafe.

Are There Streamlined Requirements for Contractors with Previous Lead Training?

Yes. Individuals who have successfully completed an accredited lead abatement worker or supervisor course, or individuals who have successfully completed certain EPA, Department of Housing and Urban Development (HUD), or EPA/HUD model renovation training courses before October 4, 2011, need only take a four-hour refresher renovator training course instead of the eight-hour initial renovator training course to become certified. For a list of qualified previous training courses contact the NLIC at 1-800-424-LEAD (5323) or visit www.epa.gov/lead/pubs/trainerinstructions.htm#refresher.

What Are the Responsibilities of a Certified Renovator?

Certified renovators are responsible for ensuring overall compliance with the Lead-Based Paint Renovation, Repair, and Painting Program's requirements for lead-safe work practices at renovations they are assigned (see the flowchart on page 9 for details about the work practice standards). A certified renovator:

1. Must provide on-the-job training to other workers (who have not taken the certified renovator training course) on the lead safe work practices to be used in performing their assigned tasks.
2. Must be physically present at the work site when warning signs are posted, while the work-area containment is being established, and while the work-area cleaning is performed.
3. Must regularly direct work being performed by other individuals to ensure that the work practices are being followed, including maintaining the integrity of the containment barriers and ensuring that dust or debris does not spread beyond the work area.
4. When requested by the party contracting for renovation services, must use an EPA recognized test kit or must collect paint chip samples, submit them to an EPA-recognized laboratory, and obtain test results from the laboratory to determine whether components affected by the renovation contain lead-based paint. (For more information regarding test kits call the National Lead Information Center at 1-800-424-LEAD (5323), or check our web site at www.epa.gov/lead/pubs/renovation.htm). Note: you must assume lead-based paint is present for housing and buildings covered by this rule, unless testing is done that determines the components affected are lead-free.
5. Must be available, either on-site or by telephone, at all times renovations are being conducted.
6. Must perform project cleaning verification.
7. Must have with them at the work site copies of their initial course completion certificate and their most recent refresher course completion certificate.
8. Must prepare required records.

How Long Do Firm and Renovator Certifications Last?

To maintain their certification, individual renovators and firms must be re-certified by EPA every five years. A firm must submit to EPA a completed “Application for Firms,” signed by an authorized agent of the firm, and pay the correct amount of fees. Individual renovators must successfully complete a refresher training course provided by an accredited training provider.

What Are the Recordkeeping Requirements?

- All documents must be retained for three years following the completion of a renovation.
- Records that must be retained include:
 - Reports certifying that lead-based paint is not present.
 - Records relating to the distribution of the lead pamphlet.
 - Documentation of compliance with the requirements of the Lead-Based Paint Renovation, Repair, and Painting Program. This information must also be given to the owner and, if different, the occupant of the housing or unit that was renovated (EPA has prepared a sample form that is available at www.epa.gov/lead/pubs/samplechecklist.pdf).

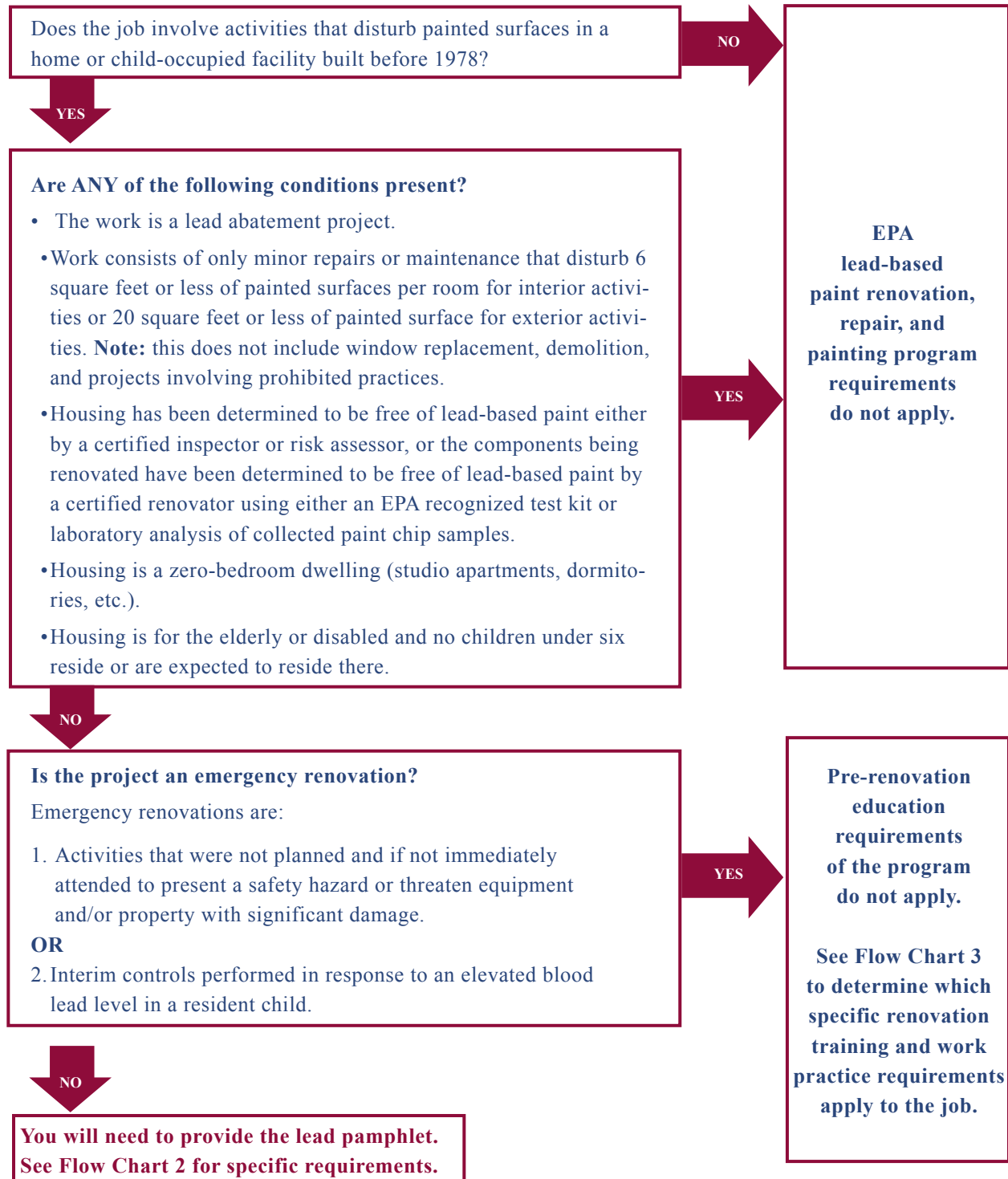
What Are the Required Work Practices?

The flow charts on the following pages will help determine if your project is subject to the Lead-Based Paint Renovation, Repair and Painting Program’s requirements and, if so, the specific requirements for your particular project. The flowcharts, and other information included in this guide, are not intended to be a replacement for official training.

EPA's Lead Program Rule At-A-Glance

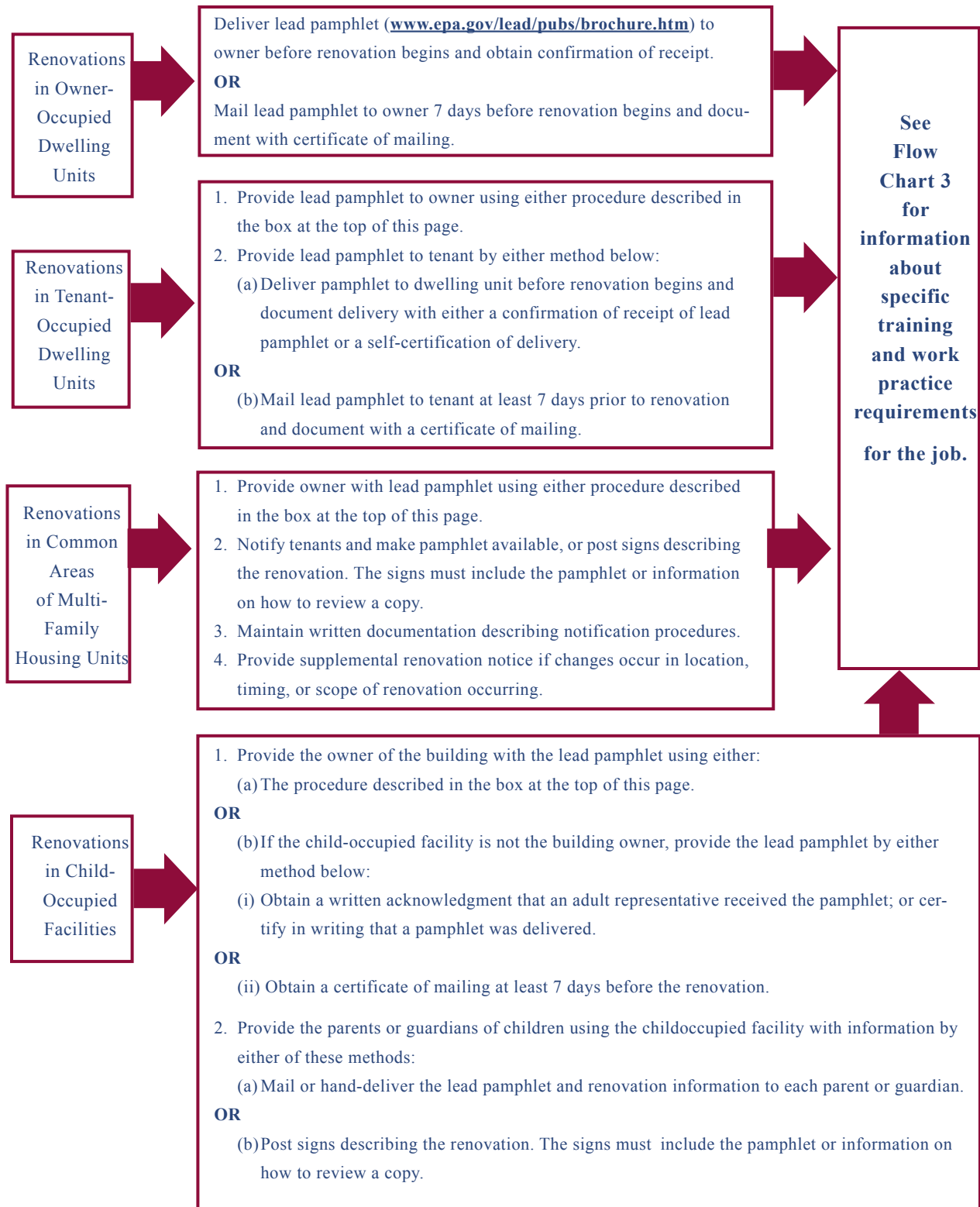
Do the Requirements Apply to the Renovation?

If you will be getting paid to do work that disturbs painted surfaces in a pre-1978 home, apartment building, or child-occupied facility, answer the questions below to determine if the EPA lead program requires you to distribute the lead pamphlet and/or if you will need to comply with training, certification, and work practice requirements when conducting the work.

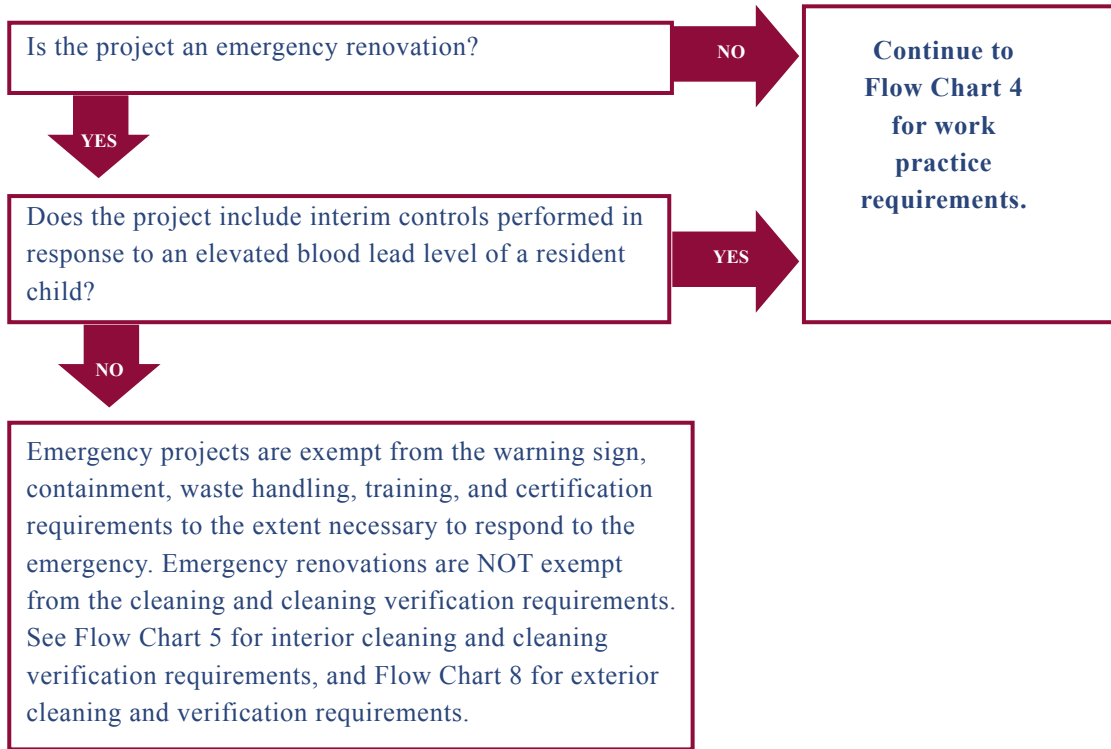


How Do I Comply with the Pre-Renovation Education Requirements?

Requirements to distribute pre-renovation educational materials vary based on the location of the renovation. Select the location below that best describes the location of your project, and follow the applicable procedure on the right.



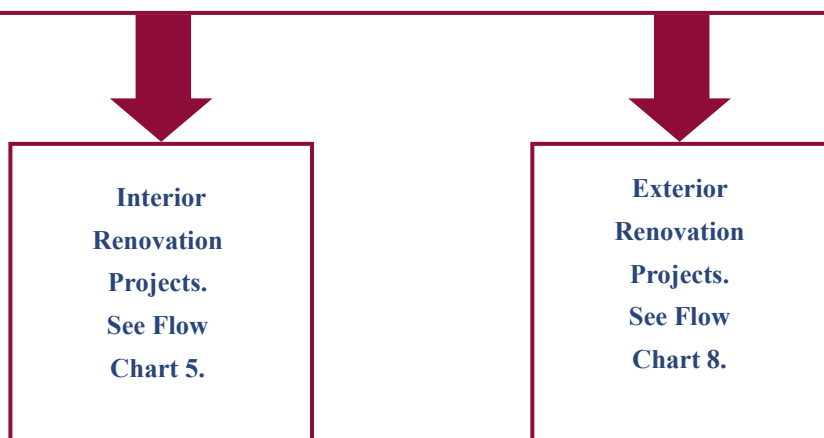
Do the Renovation Training and Work Practices Apply?



Work Practice Requirements

General

- (A) Renovations must be performed by certified firms using certified renovators.
- (B) Firms must post signs clearly defining the work area and warning occupants and other persons not involved in renovation activities to remain outside of the work area. These signs should be in the language of the occupants.
- (C) Prior to the renovation, the firm must contain the work area so that no dust or debris leaves the work area while the renovation is being performed.
- (D) Work practices listed below are prohibited during a renovation:
 - 1. Open-flame burning or torching of painted surfaces;
 - 2. Use of machines that remove paint or other surface coatings through high speed operation such as sanding, grinding, power planing, needle gun, abrasive blasting, or sandblasting, unless such machines have shrouds or containment systems and are equipped with a HEPA vacuum attachment to collect dust and debris at the point of generation. Machines must be operated so that no visible dust or release of air occurs outside the shroud or containment system; and
 - 3. Operating a heat gun on painted surfaces at temperatures above 1100 degrees Fahrenheit.
- (E) Waste from renovations:
 - 1. Waste from renovation activities must be contained to prevent releases of dust and debris before the waste is removed from the work area for storage or disposal.
 - 2. At the conclusion of each work day and at the conclusion of the renovation, waste that has been collected from renovation activities must be stored to prevent access to and the release of dust and debris.
 - 3. Waste transported from renovation activities must be contained to prevent release of dust and debris.



Work Practice Requirements Specific to Interior Renovations

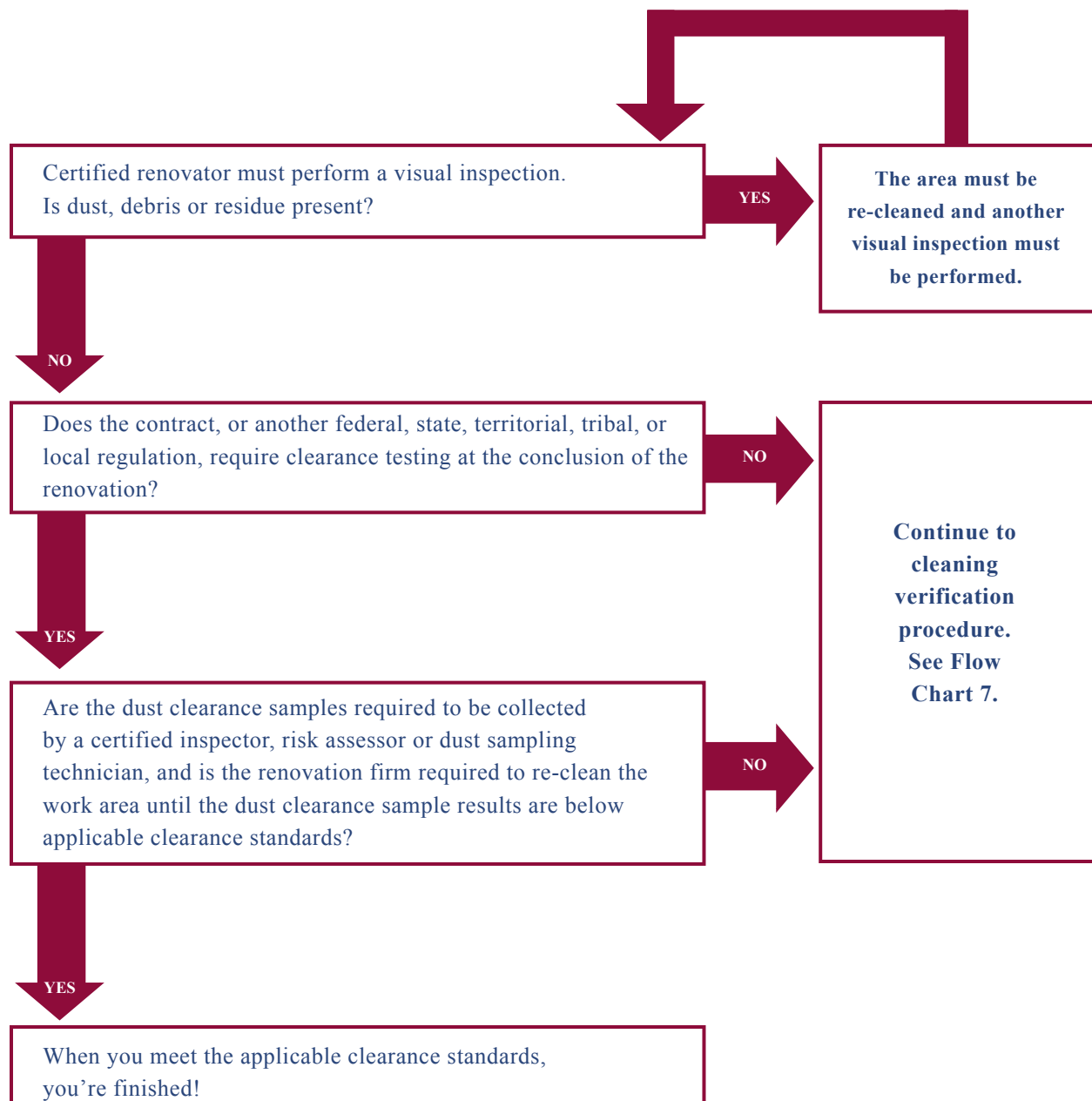
The firm must:

- (A) Remove all objects from the work area or cover them with plastic sheeting with all seams and edges sealed.
- (B) Close and cover all ducts opening in the work area with taped-down plastic sheeting.
- (C) Close windows and doors in the work area. Doors must be covered with plastic sheeting.
- (D) Cover the floor surface with taped-down plastic sheeting in the work area a minimum of six feet beyond the perimeter of surfaces undergoing renovation or a sufficient distance to contain the dust, whichever is greater. If a vertical containment system is employed, floor covering may stop at the vertical barrier, providing it is impermeable, extends from floor to ceiling, and is tightly sealed at floors, ceilings, and walls.
- (E) Use precautions to ensure that all personnel, tools, and other items, including the exteriors of containers of waste, are free of dust and debris when leaving the work area.
- (F) After the renovation has been completed, the firm must clean the work area until no dust, debris or residue remains. The firm must:
 - 1. Collect all paint chips and debris, and seal it in a heavy-duty bag.
 - 2. Remove and dispose of protective sheeting as waste.
 - 3. Clean all objects and surfaces in the work area and within two feet of the work area in the following manner:
 - a. Clean walls starting at the ceiling and working down to the floor by either vacuuming with a HEPA vacuum or wiping with a damp cloth.
 - b. Thoroughly vacuum all remaining surfaces and objects in the work area, including furniture and fixtures, with a HEPA vacuum.
 - c. Wipe all remaining surfaces and objects in the work area, except for carpeted or upholstered surfaces, with a damp cloth. Mop uncarpeted floors thoroughly using a mopping method that keeps the wash water separate from the rinse water, or using a wet mopping system.



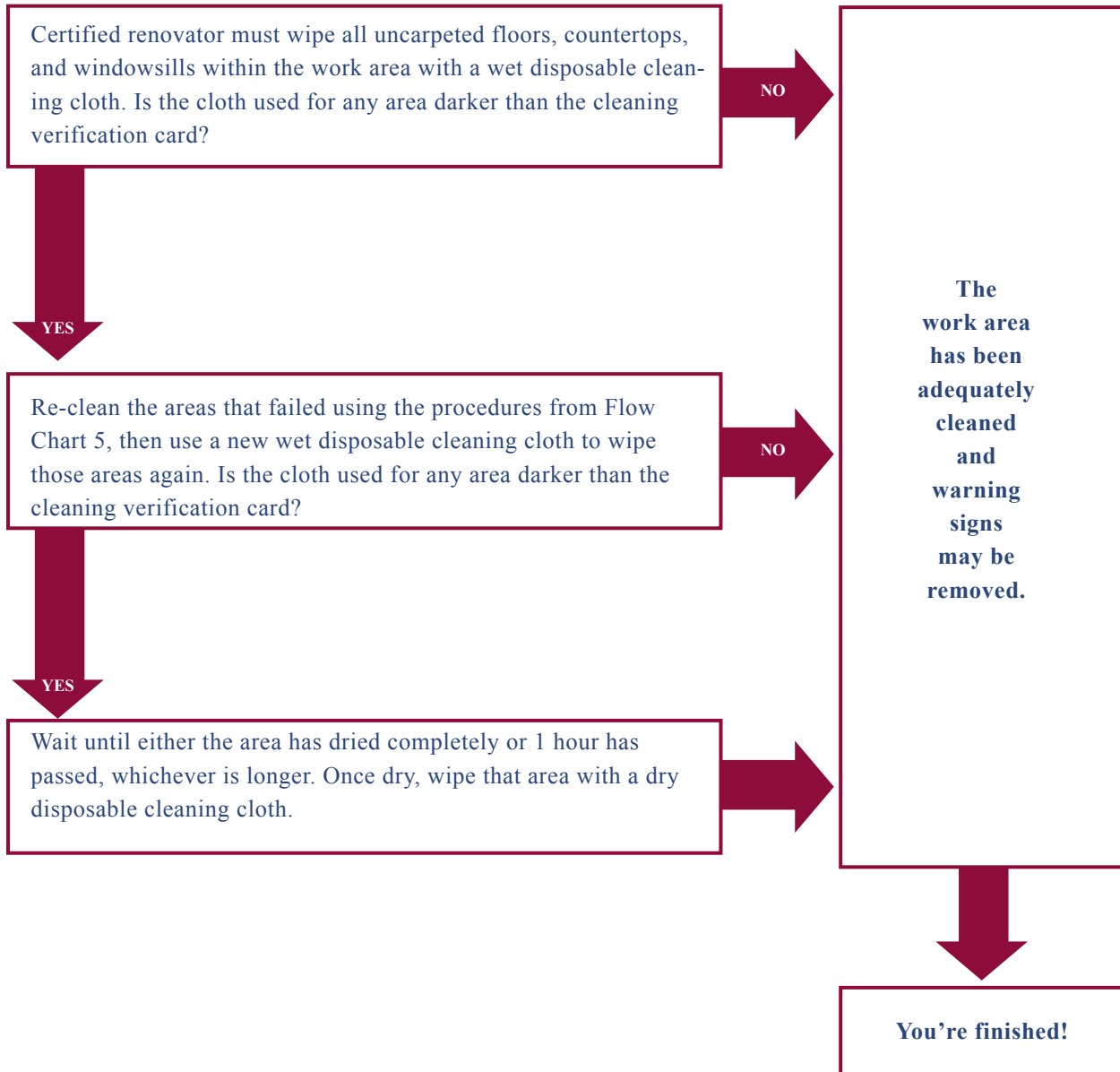
Cleaning verification is required to ensure the work area is adequately cleaned and ready for re-occupancy. See Flow Chart 6 for instructions on performing cleaning verification for interior projects.

Interior Cleaning Verification: Visual Inspection and Optional Clearance Testing



Interior Cleaning Verification: Floors, Countertops, and Window Sills

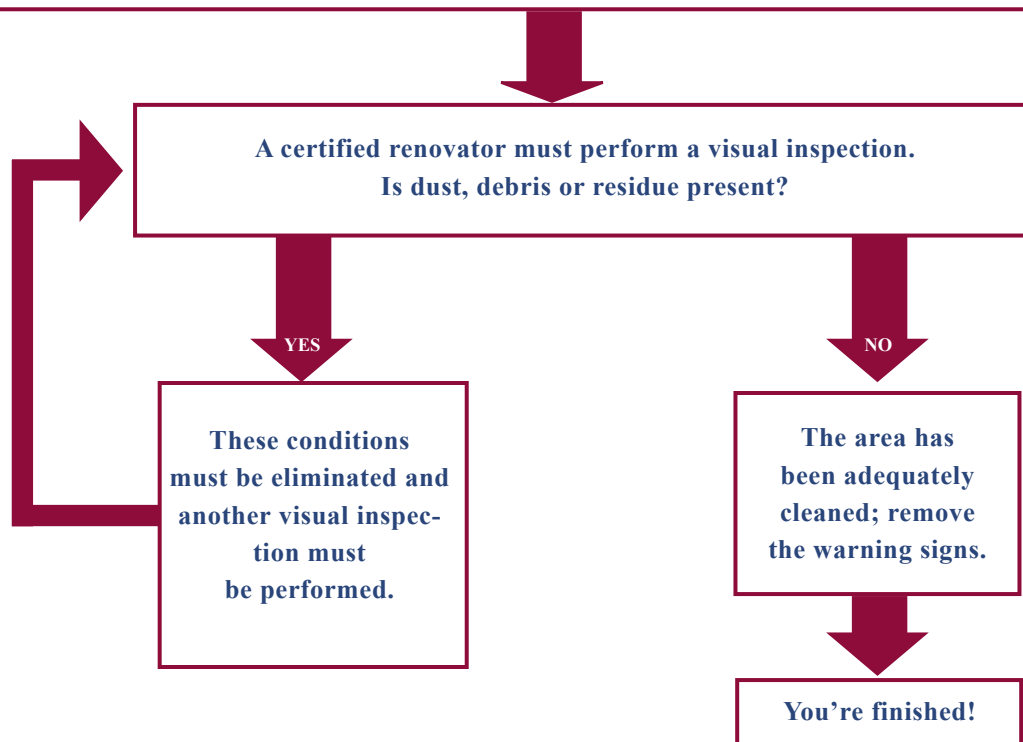
Note: For areas greater than 40 square feet, separate the area into sections and use a new disposable cleaning cloth for each section.



Work Practice Requirements Specific to Exterior Renovations

The firm must:

- (A) Close all doors and windows within 20 feet of the renovation.
- (B) Ensure that doors within the work area that will be used while the job is being performed are covered with plastic sheeting in a manner that allows workers to pass through while confining dust and debris.
- (C) Cover the ground with plastic sheeting or other disposable impermeable material extending a minimum of 10 feet beyond the perimeter or a sufficient distance to collect falling paint debris, whichever is greater. If a property line prevents 10 feet of such ground covering, then erect vertical containment or equivalent extra precautions to prevent contamination of adjacent buildings and property.
- (D) In situations such as where work areas are in close proximity to other buildings, windy conditions, etc., the renovation firm must take extra precautions in containing the work area, like vertical containment.
- (E) After the renovation has been completed, the firm must clean the work area until no dust, debris or residue remains. The firm must:
 1. Collect all paint chips and debris, and seal it in a heavy-duty bag.
 2. Remove and dispose of protective sheeting as waste.
 3. Waste transported from renovation activities must be contained to prevent release of dust and debris.



How Is My Compliance Determined, and What Happens if the Agency Discovers a Violation?

To maximize compliance, EPA implements a balanced program of compliance assistance, compliance incentives, and traditional law enforcement. EPA knows that small businesses that must comply with complicated new statutes or rules often want to do the right thing, but may lack the requisite knowledge, resources, or skills. Compliance assistance information and technical advice helps small businesses to understand and meet their environmental obligations. Compliance incentives, such as EPA's Small Business Policy, apply to businesses with 100 or fewer employees and encourage persons to voluntarily discover, disclose, and correct violations before they are identified by the government (more information about EPA's Small Business Policy is available at www.epa.gov/compliance/incentives/smallbusiness/index.html). EPA's enforcement program is aimed at protecting the public by targeting persons or entities who neither comply nor cooperate to address their legal obligations.

EPA uses a variety of methods to determine whether businesses are complying, including inspecting work sites, reviewing records and reports, and responding to citizen tips and complaints. Under TSCA, EPA (or a state, if this program has been delegated to it) may file an enforcement action against violators seeking penalties of up to \$37,500 per violation, per day. The proposed penalty in a given case will depend on many factors, including the number, length, and severity of the violations, the economic benefit obtained by the violator, and its ability to pay. EPA has policies in place to ensure penalties are calculated fairly. These policies are available to the public. In addition, any company charged with a violation has the right to contest EPA's allegations and proposed penalty before an impartial judge or jury.

EPA encourages small businesses to work with the Agency to discover, disclose, and correct violations. The Agency has developed self-disclosure, small business, and small community policies to modify penalties for small and large entities that cooperate with EPA to address compliance problems. In addition, EPA has established compliance assistance centers to serve over one million small businesses (see Construction Industry Compliance Assistance Center for information regarding this rule at www.cicacenter.org). For more information on compliance assistance and other EPA programs for small businesses, please contact EPA's Small Business Ombudsman at 202-566-2075.

Frequent Questions

What is the legal status of this guide?

This guide was prepared pursuant to section 212 of SBREFA. EPA has tried to help explain in this guide what you must do to comply with the Toxic Substances Control Act (TSCA) and EPA's lead regulations. However, this guide has no legal effect and does not create any legal rights. Compliance with the procedures described in this guide does not establish compliance with the rule or establish a presumption or inference of compliance. The legal requirements that apply to renovation work are governed by EPA's 2008 Lead Rule, which controls if there is any inconsistency between the rule and the information in this guide.

Is painting considered renovation if no surface preparation activity occurs?

No. If the surface to be painted is not disturbed by sanding, scraping, or other activities that may cause dust, the work is not considered renovation and EPA's lead program requirements do not apply. However, painting projects that involve surface preparation that disturbs paint, such as sanding and scraping, would be covered.

What if I renovate my own home?

EPA's lead program rules apply only to renovations performed for compensation; therefore, if you work on your own home, the rules do not apply. EPA encourages homeowners to use lead-safe work practices, nonetheless, in order to protect themselves, their families, and the value of their homes.

Is a renovation performed by a landlord or employees of a property management firm considered a compensated renovation under EPA's lead program rules?

Yes. The receipt of rent payments or salaries derived from rent payments is considered compensation under EPA's lead program. Therefore, renovation activities performed by landlords or employees of landlords are covered.

Do I have to give out the lead pamphlet seven days prior to beginning renovation activities?

The 7-day advance delivery requirement applies only when you deliver the lead pamphlet by mail; otherwise, you may deliver the pamphlet anytime before the renovation begins so long as the renovation begins within 60 days of the date that the pamphlet is delivered. For example, if your renovation is to begin May 30, you may deliver the pamphlet in person anytime between April 1 and start of the project on May 30, or you may deliver the pamphlet by mail anytime between April 1 and May 23.

Tips for Easy Compliance

1. For your convenience the sample form on page 23 of this handbook is included in the *Renovate Right* lead pamphlet (see page 29 for information on how to get copies). Attach the form to the back of your customer renovation or repair contracts. The completed form can be filed along with your regular paperwork.
2. Plan ahead to obtain enough copies of the lead pamphlet (see page 29 for information on how to get copies of the pamphlet).

Where Can I Get More Information?

Further information is available from the National Lead Information Center (800-424-LEAD) and on the Internet at www.epa.gov/lead. Available resources include:

- Full text version of the Lead-Based Paint Renovation, Repair, and Painting Program regulation.
- Frequent Questions which provide more detailed information on the rule's requirements.
- A downloadable version of the lead pamphlet.

Why Is Lead Paint Dangerous?

Lead gets into the body when it is swallowed or inhaled. People, especially children, can swallow lead dust as they eat, play, and do other normal hand-to-mouth activities. People may also breathe in lead dust or fumes if they disturb lead-based paint. People who sand, scrape, burn, brush, blast or otherwise disturb lead-based paint risk unsafe exposure to lead.



Lead is especially dangerous to children under 6 years of age.

Lead can affect children's brains and developing nervous systems, causing:

- Reduced IQ and learning disabilities.
- Behavioral problems.

Even children who appear healthy can have dangerous levels of lead in their bodies.

Lead is also harmful to adults. In adults, low levels of lead can pose many dangers, including:

- High blood pressure and hypertension.
- Pregnant women exposed to lead can transfer lead to their fetus.



Other Resources

For additional information on how to protect yourself and your customers from lead paint hazards, visit www.epa.gov/lead or call the National Lead Information Center at 1-800-424-LEAD (5323).

Available documents include:

- *The Lead-Safe Certified Guide to Renovate Right: Important Lead Hazard Information for Families, Child Care Providers and Schools*
- *Joint EPA-HUD Curriculum: Lead Safety for Remodeling, Repair, and Painting*
- *Steps to Lead Safe Renovation, Repair and Painting*
- *Fight Lead Poisoning with a Healthy Diet*
- *Protect Your Family From Lead in Your Home*
- *Lead in Your Home: A Parent's Reference Guide*



Key Terms

Certificate of Mailing — A written verification from the Postal Service that you mailed the lead pamphlet to an owner or a tenant. This is less expensive than certified mail, which is also acceptable for meeting the Lead-Based Paint Renovation, Repair, and Painting Program requirements. (**Note:** If using this delivery option, you must mail the pamphlet at least seven days prior to the start of renovation.)

Certified Inspector or Risk Assessor — An individual who has been trained and is certified by EPA or an authorized state or Indian Tribe to conduct lead-based paint inspections or risk assessments.

Child-occupied Facility — May include, but is not limited to, day care centers, pre-schools and kindergarten classrooms. Child-occupied facilities may be located in target housing or in public or commercial buildings. The regulation defines a “child-occupied facility” as a building, or portion of a building, constructed prior to 1978, visited regularly by the same child, under 6 years of age, on at least two different days within any week (Sunday through Saturday period), 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 only those common areas that are routinely used by children under age 6, such as restrooms and cafeterias. Common areas that children under age 6 only pass through, such as hallways, stairways, and garages are not included. In addition, with respect to exteriors of public or commercial 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 or the common areas routinely used by children under age 6.

Cleaning Verification Card — a card developed and distributed by EPA for the purpose of determining, through comparison of wet and dry disposable cleaning cloths with the card, whether post-renovation cleaning has been properly completed.

Common Area — A portion of a building that is generally accessible to all residents or users. Common areas include (but are not limited to) hallways, stairways, laundry rooms, recreational rooms, playgrounds, community centers, and fenced areas. The term applies to both interiors and exteriors of the building.

Component — A specific design or structural element or fixture distinguished by its form, function, and location. A component can be located inside or outside the dwelling. Examples...

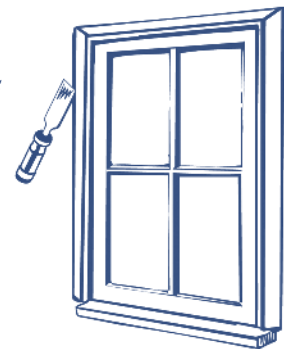
Interior

Ceilings
Crown molding
Walls
Doors and trim
Floors
Fireplaces
Radiators
Shelves
Stair treads
Windows and trim
Built-in cabinets
Beams
Bathroom vanities
Counter tops
Air conditioners



Exterior

Painted roofing
Chimneys
Flashing
Gutters and downspouts
Ceilings
Soffits
Doors and trim
Fences
Floors
Joists
Handrails
Window sills and sashes
Air conditioners



Confirmation of Receipt of Lead Hazard Information Pamphlet — A form that is signed by the owner or tenant of the housing confirming that they received a copy of the lead pamphlet before the renovation began. (See sample on page 23.)

Emergency Renovation — Unplanned renovation activities done in response to a sudden, unexpected event which, if not immediately attended to, presents a safety or public health hazard or threatens property with significant damage.

Examples

- *Renovation to repair damage from a tree that fell on a house.*
- *Renovation to repair a burst water pipe in an apartment complex.*
- *Interim controls performed in response to an elevated blood lead level in a resident child.*

Firm — A company, partnership, corporation, sole proprietorship or individual doing business, association, or other business entity; a Federal, State, Tribal, or local government agency; or a nonprofit organization.

General Contractor — One who contracts for the construction of an entire building or project, rather than for a portion of the work. The general contractor hires subcontractors (e.g. plumbing, electrical, etc.), coordinates all work, and is responsible for payment to subcontractors.

Housing for the Elderly — Retirement communities or similar types of housing specifically reserved for households of one or more persons 62 years of age or older at the time the unit is first occupied.

Interim Controls — Interim controls means a set of measures designed to temporarily reduce human exposure or likely exposure to lead-based paint hazards, including specialized cleaning, repairs, maintenance, painting, temporary containment, ongoing monitoring of lead-based paint hazards or potential hazards, and the establishment and operation of management and resident education programs.

Lead Abatement — Work designed to permanently eliminate lead-based paint hazards. If you are hired to do lead-abatement work only, the Lead-Based Paint Renovation, Repair, and Painting Program does not apply. Abatement does not include renovation, remodeling, or other activities done to repair, restore, or redesign a given building — even if such renovation activities incidentally eliminate lead-based paint hazards. (**Note:** Some states define this term differently than described above. Consult your state officials if you are not sure how “lead abatement” is defined in your state.)

Lead Pamphlet — The lead hazard information pamphlet for the purpose of pre-renovation education is *The LeadSafe Certified Guide to Renovate Right: Important Lead Hazard Information for Families, Child Care Facilities and Schools*, or an EPA-approved alternative pamphlet. (See page 29 for information on obtaining copies.)

Minor Repair and Maintenance — Activities that disrupt 6 square feet or less of painted surface per room for interior activities or 20 square feet or less of painted surface for exterior activities where none of the prohibited work practices is used and where the work does not involve window replacement or demolition of painted surface areas. When removing painted components, or portions of painted components, the entire surface area removed is the amount of painted surface disturbed. Jobs, other than emergency renovations, performed in the same room within the same 30 days must be considered the same job for the purpose of determining whether the job is a minor repair and maintenance activity.

Owner — Any person or entity that has legal title to housing, including individuals, partnerships, corporations, government agencies, Indian Tribes, and nonprofit organizations.

Painted Surface — A component surface covered in whole or in part with paint or other surface coatings.

Prohibited Practices — Work practices listed below are prohibited during a renovation:

- Open-flame burning or torching of painted surfaces;
- Use of machines that remove paint or other surface coatings through high speed operation such as sanding, grinding, power planing, needle gun, abrasive blasting, or sandblasting, unless such machines have shrouds or containment systems and are equipped with a HEPA vacuum attachment to collect dust and debris at the point of generation. Machines must be operated so that no visible dust or release of air occurs outside the shroud or containment system.
- Operating a heat gun on painted surfaces at temperatures above 1100 degrees Fahrenheit.

Record of Notification — A written statement documenting the steps taken to notify occupants of renovation activities in common areas of multi-family housing. (See page 25 for sample.)

Renovation — Modification of all or part of any existing structure that disturbs a painted surface, except for some specifically exempted activities (e.g., minor repair and maintenance). Includes:

- Removal/modification of painted surfaces, components, or structures
- Surface preparation activities (sanding/scraping/other activities that may create paint dust)
- Window replacement

Examples

1. Demolition of painted walls or ceilings
2. Replastering
3. Plumbing repairs or improvements
4. Any other activities which disturb painted surfaces

Renovation Notice — Notice to tenants of renovations in common areas of multi-family housing. (See sample form on page 25.) Notice must describe nature, location, and expected timing of renovation activity; and must explain how the lead pamphlet may be obtained free of charge.

Renovator — A person who either performs or directs workers who perform renovation. A certified renovator is a renovator who has successfully completed a renovator course accredited by EPA or an EPA authorized State or Tribal program. (**Note:** Because the term “renovation” is defined broadly by the Lead-Based Paint Renovation, Repair, and Painting Program, many contractors who are not generally considered “renovators”, as that term is commonly used, are considered to be “renovators” under the program and must follow the rule’s requirements.)

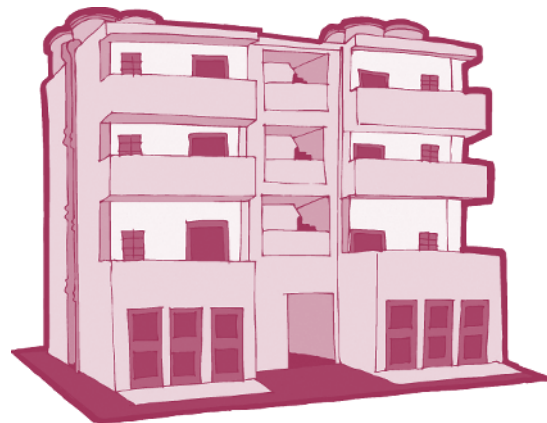


Self-Certification of Delivery — An alternative method of documenting delivery of the lead hazard information pamphlet to a tenant. This method may be used whenever the tenant is unavailable or unwilling to sign a confirmation of receipt of lead pamphlet. (See sample form on page 23.) (**Note:** This method is not a permissible substitute for delivery of the lead pamphlet to an owner.)

Supplemental Renovation Notice — additional notification that is required when the scope, location, or timing of project changes.

Vertical Containment — A vertical barrier consisting of plastic sheeting or other impermeable material over scaffolding or a rigid frame, or an equivalent system of containing the work area. Vertical containment is required for some exterior renovations but it may be used on any renovation.

Zero-Bedroom Dwelling — Any residential dwelling where the living area is not separated from the sleeping area. This term includes efficiency and studio apartments, dormitory housing, and military barracks.



Sample Pre-Renovation Form

This sample form may be used by firms to document compliance with the requirements of the Federal Lead-Based Paint Renovation, Repair, and Painting Program.

Occupant Confirmation

Pamphlet Receipt

I have received a copy of the lead hazard information pamphlet informing me of the potential risk of the lead hazard exposure from renovation activity to be performed in my dwelling unit. I received this pamphlet before the work began.

Printed Name of Owner-occupant

Signature of Owner-occupant

Signature Date

Renovator's Self Certification Option (for tenant-occupied dwellings only)

Instructions to Renovator: If the lead hazard information pamphlet was delivered but a tenant signature was not obtainable, you may check the appropriate box below.

Declined – I certify that I have made a good faith effort to deliver the lead hazard information pamphlet to the rental dwelling unit listed below at the date and time indicated and that the occupant declined to sign the confirmation of receipt. I further certify that I have left a copy of the pamphlet at the unit with the occupant.

Unavailable for signature – I certify that I have made a good faith effort to deliver the lead hazard information pamphlet to the rental dwelling unit listed below and that the occupant was unavailable to sign the confirmation of receipt. I further certify that I have left a copy of the pamphlet at the unit by sliding it under the door or by (fill in how pamphlet was left).

Printed Name of Person Certifying Delivery

Attempted Delivery Date

Signature of Person Certifying Lead Pamphlet Delivery

Unit Address

Note Regarding Mailing Option — As an alternative to delivery in person, you may mail the lead hazard information pamphlet to the owner and/or tenant. Pamphlet must be mailed at least 7 days before renovation. Mailing must be documented by a certificate of mailing from the post office.



Sample Forms (continued)

Renovation Notice — For use in notifying tenants of renovations in common areas of multi-family housing.

The following renovation activities will take place in the following locations:

Activity (e.g., sanding, window replacement)

Location (e.g., lobby, recreation center)

The expected starting date is _____ and the expected ending date is _____.
Because this is an older building built before 1978, some of the paint disturbed during the renovation may contain lead. You may obtain a copy of the pamphlet, *Renovate Right*, by telephoning me at _____. Please leave a message and be sure to include your name, phone number and address. I will either mail you a pamphlet or slide one under your door.

Date

Printed name of renovator

Signature of renovator

Record of Tenant Notification Procedures

Project Address _____

Street (apt. #) _____

City _____ State _____ Zip Code _____

Owner of multi-family housing

Number of dwelling units

Method of delivering notice forms (e.g. delivery to units, delivery to mailboxes of units)

Name of person delivering notices

Signature of person delivering notices

Date of Delivery



Sample Renovation Recordkeeping Checklist

Name of Firm: _____

Date and Location of Renovation: _____

Brief Description of Renovation: _____

Name of Assigned Renovator: _____

Name(s) of Trained Worker(s), if used: _____

Name of Dust Sampling Technician,
Inspector, or Risk Assessor, if used: _____

___ Copies of renovator and dust sampling technician qualifications (training certificates, certifications) on file.

___ Certified renovator provided training to workers on (check all that apply):

___ Posting warning signs ___ Setting up plastic containment barriers

___ Maintaining containment ___ Avoiding spread of dust to adjacent areas

___ Waste handling ___ Post-renovation cleaning

___ Test kit or test results from an EPA-recognized laboratory on collected paint chip sample, used by certified renovator to determine whether lead was present on components affected by renovation (identify method used, type of test kit used (if applicable), laboratory used to conduct paint chip analysis, describe sampling locations and results):

___ Warning signs posted at entrance to work area.

___ Work area contained to prevent spread of dust and debris

___ All objects in the work area removed or covered (interiors)

___ HVAC ducts in the work area closed and covered (interiors)

___ Windows in the work area closed (interiors)

___ Windows in and within 20 feet of the work area closed (exteriors)

___ Doors in the work area closed and sealed (interiors)

___ Doors in and within 20 feet of the work area closed and sealed (exteriors)

___ Doors that must be used in the work area covered to allow passage but prevent spread of dust

___ Floors in the work area covered with taped-down plastic (interiors)

___ Ground covered by plastic extending 10 feet from work area—plastic anchored to building and weighed down by heavy objects (exteriors)

___ Vertical containment installed if property line prevents 10 feet of ground covering, or if necessary to prevent migration of dust and debris to adjacent property (exteriors)

___ Waste contained on-site and while being transported off-site.

___ Work site properly cleaned after renovation

___ All chips and debris picked up, protective sheeting misted, folded dirty side inward, and taped for removal

___ Work area surfaces and objects cleaned using HEPA vacuum and/or wet cloths or mops (interiors)

___ Certified renovator performed post-renovation cleaning verification (describe results, including the number of wet and dry cloths used): _____

___ If dust clearance testing was performed instead, attach a copy of report

___ I certify under penalty of law that the above information is true and complete.

Name and title

Date



Where Can I Get Copies of the Lead Pamphlet?

For single copies, in Spanish or English, of *The Lead-Safe Certified Guide to Renovate Right: Important Lead Hazard Information for Families, Child Care Facilities and Schools* (EPA-740-K-10-001), call the National Lead Information Center (NLIC) at 1-800-424-LEAD. For any orders, be sure to use the appropriate stock reference number listed above.

There are four ways to get multiple copies:

1. Obtain downloadable copies (PDF) from the EPA website at www.epa.gov/lead/pubs/brochure.htm.
2. Call the Government Printing Office (GPO) Order Desk at (202) 512-1800.
3. Order from the GPO Bookstore at <http://bookstore.gpo.gov/environment>.
4. Request copies in writing from:
U.S. GPO
P.O. Box 979050
St. Louis, MO 63197-9000



The pamphlet may be photocopied for distribution as long as the text and graphics are readable.

Paperwork Reduction Act Notice: The incremental public burden for the collection of information contained in the Lead Renovation, Painting and Repair Program, which are approved under OMB Control No. 2070-0155 and identified under EPA ICR No. 1715, is estimated to average approximately 54 hours per year for training providers. For firms engaged in regulated renovation, repair, and painting activities, the average incremental burden is estimated to be about 6.5 hours per year. Comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, may be sent to: Director, Collection Strategies Division, Office of Environmental Information, U.S. Environmental Protection Agency (Mail Code 2822T), 1200 Pennsylvania Avenue, N.W., Washington, D.C. 20460. Include the OMB number identified above in any correspondence. Do not send any completed form(s) to this address. The actual information or form(s) should be submitted in accordance with the instructions accompanying the form(s), or as specified in the corresponding regulations.

NOTICE

This guide was prepared pursuant to section 212 of the Small Business Regulatory Enforcement Fairness Act of 1996 (SBREFA), Pub. L. 104-121. THIS DOCUMENT IS NOT INTENDED, NOR CAN IT BE RELIED UPON, TO CREATE ANY RIGHTS ENFORCEABLE BY ANY PARTY IN LITIGATION WITH THE UNITED STATES.

The statements in this document are intended solely as guidance to aid you in complying with the Lead-Based Paint Renovation, Repair, and Painting Program requirements in 40 CFR 745, Subpart E. EPA may decide to revise this guide without public notice to reflect changes in EPA's approach to implementing the Lead-Based Paint Renovation, Repair, and Painting Program or to clarify and update text. To determine whether EPA has revised this guide and/or to obtain copies, contact EPA's Small Business Ombudsman at 202-566-2075, or contact the National Lead Information Center at 1-800-424-LEAD(5323), or on the web at www.epa.gov/lead/pubs/nlic.htm.

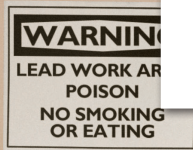


1-800-424-LEAD (5323)

www.epa.gov/lead



THE LEAD-SAFE CERTIFIED GUIDE TO RENOVATE RIGHT



CAUTION CAUTION CAUTION CAUTION CAUTION CAUTION



1-800-424-LEAD (5323)

epa.gov/getleadsafe

EPA-740-K-10-001

Revised September 2011



Important lead hazard information for families, child care providers and schools.



This document may be purchased through the U.S. Government Printing Office online at bookstore.gpo.gov or by phone (toll-free): 1-866-512-1800.

IT'S THE LAW!

Federal law requires contractors that disturb painted surfaces in homes, child care facilities and schools built before 1978 to be certified and follow specific work practices to prevent lead contamination. Always ask to see your contractor's certification.

Federal law requires that individuals receive certain information before renovating more than six square feet of painted surfaces in a room for interior projects or more than twenty square feet of painted surfaces for exterior projects or window replacement or demolition in housing, child care facilities and schools built before 1978.

- Homeowners and tenants: renovators must give you this pamphlet before starting work.
- Child care facilities, including preschools and kindergarten classrooms, and the families of children under six years of age that attend those facilities: renovators must provide a copy of this pamphlet to child care facilities and general renovation information to families whose children attend those facilities.

WHO SHOULD READ THIS PAMPHLET?

This pamphlet is for you if you:

- Reside in a home built before 1978.
- Own or operate a child care facility, including preschools and kindergarten classrooms, built before 1978, or
- Have a child under six years of age who attends a child care facility built before 1978.

You will learn:

- Basic facts about lead and your health.
- How to choose a contractor, if you are a property owner.
- What tenants, and parents/guardians of a child in a child care facility or school should consider.
- How to prepare for the renovation or repair job.
- What to look for during the job and after the job is done.
- Where to get more information about lead.

This pamphlet is not for:

- **Abatement projects.** Abatement is a set of activities aimed specifically at eliminating lead or lead hazards. EPA has regulations for certification and training of abatement professionals. If your goal is to eliminate lead or lead hazards, contact the National Lead Information Center at **1-800-424-LEAD (5323)** for more information.
- **“Do-it-yourself”** projects. If you plan to do renovation work yourself, this document is a good start, but you will need more information to complete the work safely. Call the National Lead Information Center at **1-800-424-LEAD (5323)** and ask for more information on how to work safely in a home with lead-based paint.
- **Contractor education.** Contractors who want information about working safely with lead should contact the National Lead Information Center at **1-800-424-LEAD (5323)** for information about courses and resources on lead-safe work practices.



RENOVATING, REPAIRING, OR PAINTING?



- Is your home, your building, or the child care facility or school your children attend being renovated, repaired, or painted?
- Was your home, your building, or the child care facility or school where your children under six years of age attend built before 1978?

If the answer to these questions is YES, there are a few important things you need to know about lead-based paint.

This pamphlet provides basic facts about lead and information about lead safety when work is being done in your home, your building or the child care facility or school your children attend.

The Facts About Lead

- Lead can affect children's brains and developing nervous systems, causing reduced IQ, learning disabilities, and behavioral problems. Lead is also harmful to adults.
 - Lead in dust is the most common way people are exposed to lead. People can also get lead in their bodies from lead in soil or paint chips. Lead dust is often invisible.
 - Lead-based paint was used in more than 38 million homes until it was banned for residential use in 1978.
 - Projects that disturb painted surfaces can create dust and endanger you and your family. Don't let this happen to you. Follow the practices described in this pamphlet to protect you and your family.
-

LEAD AND YOUR HEALTH

Lead is especially dangerous to children under six years of age.

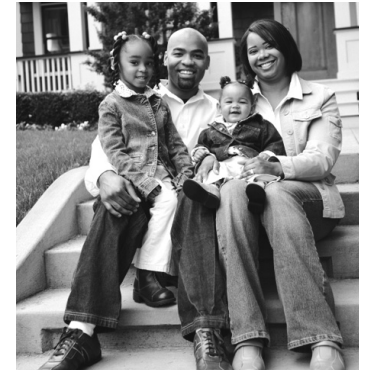
Lead can affect children's brains and developing nervous systems, causing:

- Reduced IQ and learning disabilities.
- Behavior problems.

Even children who appear healthy can have dangerous levels of lead in their bodies.

Lead is also harmful to adults. In adults, low levels of lead can pose many dangers, including:

- High blood pressure and hypertension.
- Pregnant women exposed to lead can transfer lead to their fetuses. Lead gets into the body when it is swallowed or inhaled.
- People, especially children, can swallow lead dust as they eat, play, and do other normal hand-to-mouth activities.
- People may also breathe in lead dust or fumes if they disturb lead-based paint. People who sand, scrape, burn, brush, blast or otherwise disturb lead-based paint risk unsafe exposure to lead.



What should I do if I am concerned about my family's exposure to lead?

- A blood test is the only way to find out if you or a family member already has lead poisoning. Call your doctor or local health department to arrange for a blood test.
- Call your local health department for advice on reducing and eliminating exposures to lead inside and outside your home, child care facility or school.
- Always use lead-safe work practices when renovation or repair will disturb painted surfaces.

For more information about the health effects of exposure to lead, visit the EPA lead website at epa.gov/lead/pubs/leadinfo or call 1-800-424-LEAD (5323).

There are other things you can do to protect your family every day.

- Regularly clean floors, window sills, and other surfaces.
- Wash children's hands, bottles, pacifiers, and toys often.
- Make sure children eat a healthy, nutritious diet consistent with the USDA's dietary guidelines, that helps protect children from the effects of lead.
- Wipe off shoes before entering the house.

WHERE DOES THE LEAD COME FROM?

Dust is the main problem.

The most common way to get lead in the body is from dust. Lead dust comes from deteriorating lead-based paint and lead-contaminated soil that gets tracked into your home. This dust may accumulate to unsafe levels. Then, normal hand-to-mouth activities, like playing and eating (especially in young children), move that dust from surfaces like floors and window sills into the body.

Home renovation creates dust.

Common renovation activities like sanding, cutting, and demolition can create hazardous lead dust and chips.

Proper work practices protect you from the dust.

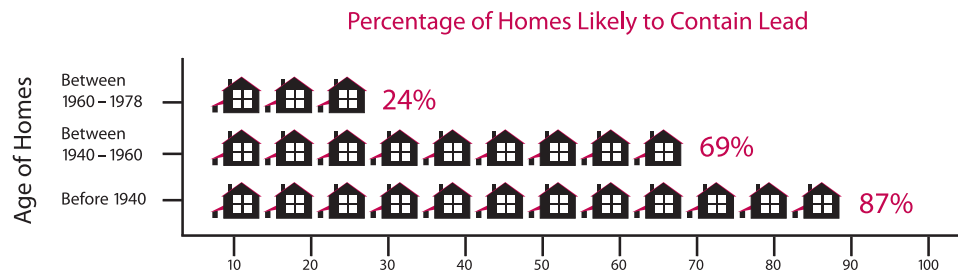
The key to protecting yourself and your family during a renovation, repair or painting job is to use lead-safe work practices such as containing dust inside the work area, using dust-minimizing work methods, and conducting a careful cleanup, as described in this pamphlet.

Other sources of lead.

Remember, lead can also come from outside soil, your water, or household items (such as lead-glazed pottery and lead crystal). Contact the National Lead Information Center at 1-800-424-LEAD (5323) for more information on these sources.



CHECKING YOUR HOME FOR LEAD-BASED PAINT



Older homes, child care facilities, and schools are more likely to contain lead-based paint.

Homes may be single-family homes or apartments. They may be private, government-assisted, or public housing. Schools are preschools and kindergarten classrooms. They may be urban, suburban, or rural.

You have the following options:

You may decide to assume your home, child care facility, or school contains lead.

Especially in older homes and buildings, you may simply want to assume lead-based paint is present and follow the lead-safe work practices described in this brochure during the renovation, repair, or painting job.

You can hire a certified professional to check for lead-based paint.

These professionals are certified risk assessors or inspectors, and can determine if your home has lead or lead hazards.

- A certified inspector or risk assessor can conduct an inspection telling you whether your home, or a portion of your home, has lead-based paint and where it is located. This will tell you the areas in your home where lead-safe work practices are needed.
- A certified risk assessor can conduct a risk assessment telling you if your home currently has any lead hazards from lead in paint, dust, or soil. The risk assessor can also tell you what actions to take to address any hazards.
- For help finding a certified risk assessor or inspector, call the National Lead Information Center at 1-800-424-LEAD (5323).

You may also have a certified renovator test the surfaces or components being disturbed for lead by using a lead test kit or by taking paint chip samples and sending them to an EPA-recognized testing laboratory. Test kits must be EPA-recognized and are available at hardware stores. They include detailed instructions for their use.

FOR PROPERTY OWNERS

You have the ultimate responsibility for the safety of your family, tenants, or children in your care.

This means properly preparing for the renovation and keeping persons out of the work area (see p. 8). It also means ensuring the contractor uses lead-safe work practices.

Federal law requires that contractors performing renovation, repair and painting projects that disturb painted surfaces in homes, child care facilities, and schools built before 1978 be certified and follow specific work practices to prevent lead contamination.

Make sure your contractor is certified, and can explain clearly the details of the job and how the contractor will minimize lead hazards during the work.

- You can verify that a contractor is certified by checking EPA's website at epa.gov/getleadsafe or by calling the National Lead Information Center at 1-800-424-LEAD (5323). You can also ask to see a copy of the contractor's firm certification.
- Ask if the contractor is trained to perform lead-safe work practices and to see a copy of their training certificate.
- Ask them what lead-safe methods they will use to set up and perform the job in your home, child care facility or school.
- Ask for references from at least three recent jobs involving homes built before 1978, and speak to each personally.

Always make sure the contract is clear about how the work will be set up, performed, and cleaned.

- Share the results of any previous lead tests with the contractor.
- You should specify in the contract that they follow the work practices described on pages 9 and 10 of this brochure.
- The contract should specify which parts of your home are part of the work area and specify which lead-safe work practices will be used in those areas. Remember, your contractor should confine dust and debris to the work area and should minimize spreading that dust to other areas of the home.
- The contract should also specify that the contractor will clean the work area, verify that it was cleaned adequately, and re-clean it if necessary.

If you think a worker is not doing what he is supposed to do or is doing something that is unsafe, you should:

- Direct the contractor to comply with regulatory and contract requirements.
- Call your local health or building department, or
- Call EPA's hotline 1-800-424-LEAD (5323).

If your property receives housing assistance from HUD (or a state or local agency that uses HUD funds), you must follow the requirements of HUD's Lead-Safe Housing Rule and the ones described in this pamphlet.

FOR TENANTS AND FAMILIES OF CHILDREN UNDER SIX YEARS OF AGE IN CHILD CARE FACILITIES AND SCHOOLS

You play an important role ensuring the ultimate safety of your family.

This means properly preparing for the renovation and staying out of the work area (see p. 8).

Federal law requires that contractors performing renovation, repair and painting projects that disturb painted surfaces in homes built before 1978 and in child care facilities and schools built before 1978, that a child under six years of age visits regularly, to be certified and follow specific work practices to prevent lead contamination.

The law requires anyone hired to renovate, repair, or do painting preparation work on a property built before 1978 to follow the steps described on pages 9 and 10 unless the area where the work will be done contains no lead-based paint.

If you think a worker is not doing what he is supposed to do or is doing something that is unsafe, you should:

- Contact your landlord.
- Call your local health or building department, or
- Call EPA's hotline 1-800-424-LEAD (5323).

If you are concerned about lead hazards left behind after the job is over, you can check the work yourself (see page 10).



PREPARING FOR A RENOVATION

The work areas should not be accessible to occupants while the work occurs.

The rooms or areas where work is being done may need to be blocked off or sealed with plastic sheeting to contain any dust that is generated. Therefore, the contained area may not be available to you until the work in that room or area is complete, cleaned thoroughly, and the containment has been removed. Because you may not have access to some areas during the renovation, you should plan accordingly.

You may need:

- Alternative bedroom, bathroom, and kitchen arrangements if work is occurring in those areas of your home.
- A safe place for pets because they too can be poisoned by lead and can track lead dust into other areas of the home.
- A separate pathway for the contractor from the work area to the outside in order to bring materials in and out of the home. Ideally, it should not be through the same entrance that your family uses.
- A place to store your furniture. All furniture and belongings may have to be moved from the work area while the work is being done. Items that can't be moved, such as cabinets, should be wrapped in plastic.
- To turn off forced-air heating and air conditioning systems while the work is being done. This prevents dust from spreading through vents from the work area to the rest of your home. Consider how this may affect your living arrangements.

You may even want to move out of your home temporarily while all or part of the work is being done.

Child care facilities and schools may want to consider alternative accommodations for children and access to necessary facilities.



DURING THE WORK

Federal law requires contractors that are hired to perform renovation, repair and painting projects in homes, child care facilities, and schools built before 1978 that disturb painted surfaces to be certified and follow specific work practices to prevent lead contamination.

The work practices the contractor must follow include these three simple procedures, described below:

1. Contain the work area. The area must be contained so that dust and debris do not escape from that area. Warning signs must be put up and plastic or other impermeable material and tape must be used as appropriate to:

- Cover the floors and any furniture that cannot be moved.
- Seal off doors and heating and cooling system vents.
- For exterior renovations, cover the ground and, in some instances, erect vertical containment or equivalent extra precautions in containing the work area.

These work practices will help prevent dust or debris from getting outside the work area.

2. Avoid renovation methods that generate large amounts of lead-contaminated dust. Some methods generate so much lead-contaminated dust that their use is prohibited.

They are:

- Open flame burning or torching.
- Sanding, grinding, planing, needle gunning, or blasting with power tools and equipment not equipped with a shroud and HEPA vacuum attachment.
- Using a heat gun at temperatures greater than 1100°F.



There is no way to eliminate dust, but some renovation methods make less dust than others. Contractors may choose to use various methods to minimize dust generation, including using water to mist areas before sanding or scraping; scoring paint before separating components; and prying and pulling apart components instead of breaking them.

3. Clean up thoroughly. The work area should be cleaned up daily to keep it as clean as possible. When all the work is done, the area must be cleaned up using special cleaning methods before taking down any plastic that isolates the work area from the rest of the home. The special cleaning methods should include:

- Using a HEPA vacuum to clean up dust and debris on all surfaces, followed by
- Wet wiping and wet mopping with plenty of rinse water.

When the final cleaning is done, look around. There should be no dust, paint chips, or debris in the work area. If you see any dust, paint chips, or debris, the area must be re-cleaned.

FOR PROPERTY OWNERS: AFTER THE WORK IS DONE

When all the work is finished, you will want to know if your home, child care facility, or school where children under six attend has been cleaned up properly.

EPA Requires Cleaning Verification.

In addition to using allowable work practices and working in a lead-safe manner, EPA's RRP rule requires contractors to follow a specific cleaning protocol. The protocol requires the contractor to use disposable cleaning cloths to wipe the floor and other surfaces of the work area and compare these cloths to an EPA-provided cleaning verification card to determine if the work area was adequately cleaned. EPA research has shown that following the use of lead-safe work practices with the cleaning verification protocol will effectively reduce lead-dust hazards.

Lead-Dust Testing.

EPA believes that if you use a certified and trained renovation contractor who follows the LRRP rule by using lead-safe work practices and the cleaning protocol after the job is finished, lead-dust hazards will be effectively reduced. If, however, you are interested in having lead-dust testing done at the completion of your job, outlined below is some helpful information.

What is a lead-dust test?

- Lead-dust tests are wipe samples sent to a laboratory for analysis. You will get a report specifying the levels of lead found after your specific job.

How and when should I ask my contractor about lead-dust testing?

- Contractors are not required by EPA to conduct lead-dust testing. However, if you want testing, EPA recommends testing be conducted by a lead professional. To locate a lead professional who will perform an evaluation near you, visit EPA's website at epa.gov/lead/pubs/locate or contact the National Lead Information Center at **1-800-424-LEAD (5323)**.
- If you decide that you want lead-dust testing, it is a good idea to specify in your contract, before the start of the job, that a lead-dust test is to be done for your job and who will do the testing, as well as whether re-cleaning will be required based on the results of the test.
- You may do the testing yourself. If you choose to do the testing, some EPA-recognized lead laboratories will send you a kit that allows you to collect samples and send them back to the laboratory for analysis. Contact the National Lead Information Center for lists of EPA-recognized testing laboratories.



FOR ADDITIONAL INFORMATION

You may need additional information on how to protect yourself and your children while a job is going on in your home, your building, or child care facility.

The National Lead Information Center at **1-800-424-LEAD (5323)** or epa.gov/lead/nlic can tell you how to contact your state, local, and/or tribal programs or get general information about lead poisoning prevention.

- State and tribal lead poisoning prevention or environmental protection programs can provide information about lead regulations and potential sources of financial aid for reducing lead hazards. If your state or local government has requirements more stringent than those described in this pamphlet, you must follow those requirements.
- Local building code officials can tell you the regulations that apply to the renovation work that you are planning.
- State, county, and local health departments can provide information about local programs, including assistance for lead-poisoned children and advice on ways to get your home checked for lead.



The National Lead Information Center can also provide a variety of resource materials, including the following guides to lead-safe work practices. Many of these materials are also available at epa.gov/lead/pubs/brochure

- Steps to Lead Safe Renovation, Repair and Painting.
- Protect Your Family from Lead in Your Home
- Lead in Your Home: A Parent's Reference Guide



For the hearing impaired, call the Federal Information Relay Service at 1-800-877-8339 to access any of the phone numbers in this brochure.

EPA CONTACTS

EPA Regional Offices

EPA addresses residential lead hazards through several different regulations. EPA requires training and certification for conducting abatement and renovations, education about hazards associated with renovations, disclosure about known lead paint and lead hazards in housing, and sets lead-paint hazard standards.

Your Regional EPA Office can provide further information regarding lead safety and lead protection programs at epa.gov/lead.

Region 1

(Connecticut, Massachusetts, Maine, New Hampshire, Rhode Island, Vermont)
Regional Lead Contact
U.S. EPA Region 1
Suite 1100
One Congress Street
Boston, MA 02114-2023
(888) 372-7341

Region 2

(New Jersey, New York, Puerto Rico, Virgin Islands)
Regional Lead Contact
U.S. EPA Region 2
2890 Woodbridge Avenue
Building 205, Mail Stop 225
Edison, NJ 08837-3679
(732) 321-6671

Region 3

(Delaware, Maryland, Pennsylvania, Virginia, Washington, DC, West Virginia)
Regional Lead Contact
U.S. EPA Region 3
1650 Arch Street
Philadelphia, PA
19103-2029
(215) 814-5000

Region 4

(Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee)
Regional Lead Contact
U.S. EPA Region 4
61 Forsyth Street, SW
Atlanta, GA 30303-8960
(404) 562-9900

Region 5

(Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin)
Regional Lead Contact
U.S. EPA Region 5
77 West Jackson Boulevard
Chicago, IL 60604-3507
(312) 886-6003

Region 6

(Arkansas, Louisiana, New Mexico, Oklahoma, Texas)
Regional Lead Contact
U.S. EPA Region 6
1445 Ross Avenue,
12th Floor
Dallas, TX 75202-2733
(214) 665-7577

Region 7

(Iowa, Kansas, Missouri, Nebraska)
Regional Lead Contact
U.S. EPA Region 7
901 N. 5th Street
Kansas City, KS 66101
(913) 551-7003

Region 8

(Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming)
Regional Lead Contact
U.S. EPA Region 8
1595 Wynkoop Street
Denver, CO 80202
(303) 312-6312

Region 9

(Arizona, California, Hawaii, Nevada)
Regional Lead Contact
U.S. Region 9
75 Hawthorne Street
San Francisco, CA 94105
(415) 947-8021

Region 10

(Alaska, Idaho, Oregon, Washington)
Regional Lead Contact
U.S. EPA Region 10
1200 Sixth Avenue
Seattle, WA 98101-1128
(206) 553-1200

OTHER FEDERAL AGENCIES

CPSC

The Consumer Product Safety Commission (CPSC) protects the public from the unreasonable risk of injury or death from 15,000 types of consumer products under the agency's jurisdiction. CPSC warns the public and private sectors to reduce exposure to lead and increase consumer awareness. Contact CPSC for further information regarding regulations and consumer product safety.

CPSC

4330 East West Highway
Bethesda, MD 20814
Hotline 1-(800) 638-2772
cpsc.gov

CDC Childhood Lead Poisoning Prevention Branch

The Centers for Disease Control and Prevention (CDC) assists state and local childhood lead poisoning prevention programs to provide a scientific basis for policy decisions, and to ensure that health issues are addressed in decisions about housing and the environment. Contact CDC Childhood Lead Poisoning Prevention Program for additional materials and links on the topic of lead.

CDC Childhood Lead Poisoning Prevention Branch

4770 Buford Highway, MS F-40
Atlanta, GA 30341
(770) 488-3300
cdc.gov/nceh/lead

HUD Office of Healthy Homes and Lead Hazard Control

The Department of Housing and Urban Development (HUD) provides funds to state and local governments to develop cost-effective ways to reduce lead-based paint hazards in America's privately-owned low-income housing. In addition, the office enforces the rule on disclosure of known lead paint and lead hazards in housing, and HUD's lead safety regulations in HUD-assisted housing, provides public outreach and technical assistance, and conducts technical studies to help protect children and their families from health and safety hazards in the home. Contact the HUD Office of Healthy Homes and Lead Hazard Control for information on lead regulations, outreach efforts, and lead hazard control research and outreach grant programs.

U.S. Department of Housing and Urban Development

Office of Healthy Homes and Lead Hazard Control
451 Seventh Street, SW, Room 8236
Washington, DC 20410-3000
HUD's Lead Regulations Hotline
(202) 402-7698
hud.gov/offices/lead/



SAMPLE PRE-RENOVATION FORM

This sample form may be used by renovation firms to document compliance with the Federal pre-renovation education and renovation, repair, and painting regulations.

Occupant Confirmation

Pamphlet Receipt

- I have received a copy of the lead hazard information pamphlet informing me of the potential risk of the lead hazard exposure from renovation activity to be performed in my dwelling unit. I received this pamphlet before the work began.

Printed Name of Owner-occupant

Signature of Owner-occupant

Signature Date

Renovator's Self Certification Option (for tenant-occupied dwellings only)

Instructions to Renovator: If the lead hazard information pamphlet was delivered but a tenant signature was not obtainable, you may check the appropriate box below.

- Declined** – I certify that I have made a good faith effort to deliver the lead hazard information pamphlet to the rental dwelling unit listed below at the date and time indicated and that the occupant declined to sign the confirmation of receipt. I further certify that I have left a copy of the pamphlet at the unit with the occupant.
- Unavailable for signature** – I certify that I have made a good faith effort to deliver the lead hazard information pamphlet to the rental dwelling unit listed below and that the occupant was unavailable to sign the confirmation of receipt. I further certify that I have left a copy of the pamphlet at the unit by sliding it under the door or by (fill in how pamphlet was left).

Printed Name of Person Certifying Delivery

Attempted Delivery Date

Signature of Person Certifying Lead Pamphlet Delivery

Unit Address

Note Regarding Mailing Option — As an alternative to delivery in person, you may mail the lead hazard information pamphlet to the owner and/or tenant. Pamphlet must be mailed at least seven days before renovation. Mailing must be documented by a certificate of mailing from the post office.

