LEAD-BASED PAINT RISK ASSESSMENT REPORT

FOR THE PROPERTY LOCATED AT:

118 N Walnut Street South Bend, IN 46628



Owner/Tenant Vacant

Prepared For:

Pat Lynch South Bend Heritage 803 Lincolnway West South Bend, IN 46616 Phone: 574-289-1066 patlynch@sbhertiage.org

Tested and Prepared By:

William C. Center Certified Lead Risk Assessor #IND000368

Submitted By: Greentree Environmental Services, Inc. P. O. Box 2297 5287 Central Avenue Portage, IN 46368 Phone: 888-584-5323 greentree@grntree.net



Date of Inspection: March 28, 2022

Re-evaluation Date: 6-12 Months from March 28, 2022

TABLE OF CONTENTS

- 1.0 PURPOSE
- 2.0 CONCLUSIONS
 - 2.1 REPORT SUMMARY
 - 2.2 DETERMINATION OF LEAD-BASED PAINT HAZARDS
 - 2.3 POSITIVE XRF READINGS
 - 2.4 DUST WIPE SAMPLE RESULTS
 - 2.5 SOIL SAMPLE RESULTS
 - 2.6 ADDITIONAL LEAD-BASED PAINT FINDINGS
 - 2.7 RECOMMENDED CORRECTIVE ACTIONS
- 3.0 SITE DESCRIPTION
 - 3.1 NARRATIVE
 - 3.2 BUILDING CONDITION FORM
- 4.0 BACKGROUND INFORMATION AND EDUCATIONAL INFORMATION
 - 4.1 HEALTH EFFECTS OF LEAD EXPOSURE
 - 4.2 SOURCES OF LEAD POISONING
 - 4.3 METHODS TO REDUCE EXPOSURE TO LEAD HAZARDS
- 5.0 RE-EVALUATION AND MONITORING SCHEDULE
- 6.0 ADDITIONAL RESOURCES
- 7.0 CERTIFICATION

- APPENDIX -

- 8.0 SAMPLING PROCEDURES
 - 8.1 LABORATORY
 - 8.2 SITE SKETCH ORIENTATION
 - 8.3 SOIL SAMPLING
 - 8.4 DUST WIPE SAMPLING
 - 8.5 XRF ANALYSIS
- 9.0 FLOOR PLANS
- 10.0 REPRESENTATIVE PICTURES
- 11.0 LABORATORY RESULTS
 - 11.1 SOIL SAMPLE ANALYSIS
 - 11.2 DUST WIPE SAMPLE ANALYSIS
 - 11.3 CHAIN OF CUSTODY
- 12.0 XRF DATA
- 13.0 GLOSSARY
- 14.0 PERFORMANCE CHARACTERISTIC SHEET
- 15.0 SUMMARY NOTICE OF LEAD-BASED PAINT RISK ASSESSMENT

1.0 PURPOSE

The purpose of the investigation was to determine the existence of lead-based paint hazards at the subject property and to determine the location, type, and severity of existing or potential health hazards associated with exposures to lead.

The following report details the results of the investigation. A summary of this report must be provided to each new lessee (tenant) or purchaser of this property under Federal law (24 CFR part 35 and 40 CFR part 745) before they become obligated under a lease or sales contract. The complete report must also be provided to purchasers and made available to tenants. Landlords (lessors) and sellers are also required to distribute an educational pamphlet approved by the U.S. Environmental Protection Agency (EPA), entitled *"Renovate Right,"* and include standard warning language in their leases or sales contracts to ensure that parents have the information they need to protect their children from lead-based paint hazards. For more information regarding your obligations under federal lead-based paint regulations, contact 800-424-LEAD (5323).

EPA Certified Firms using Certified Renovators who have successfully completed the EPAapproved Renovation, Repair and Painting course should remove any lead-based paint hazards identified on this property. Refer to the EPA/State Laws that may have additional requirements, depending on scope of work. For any federally funded project, all personnel disturbing the leadbased paint must be a Certified Renovator.

2.0 CONCLUSIONS

2.1 Report Summary

The building and its paint are in relatively **good condition** overall. The risk assessment showed that lead hazards **do exist**.

As lead-based paint hazards were identified, the risk assessor recommends that the homeowner/tenant/client contact their local health department to have all children in the household under the age of 7 and anyone you feel at risk be tested for lead poisoning. It is also recommended that, as soon as possible, the residence be cleaned following the recommendations in the EPA brochure *Renovate Right*. Other recommendations for safe ways to minimize your child's exposure to lead-based paint are also found throughout the report.

2.2 Determination of Lead-based Paint Hazards

Dust wipe sample results summary:

- Lead dust is assumed to be present around all positive components noted in the following charts.
- There are lead dust levels around all windows and all floors (including all stairwell stair treads) that exceed HUD guidelines.

Soil sample results summary:

• No Soil Sample Taken (Upstairs unit only)

Lead paint in *deteriorated condition* is listed in the charts below. Either stabilization or abatement is required.

| | EXTERIOR | | | |
|---|--|-----------------|---------------|--|
| <i>General note</i> : If any ex must be assumed positi | terior inaccessible components are ve. | ever removed, a | all painted s | urfaces |
| Room/Location | Component(s) | Square Feet | Quantity | Assumed Positive (check if yes) |
| Front entry A | Door components | 10 | 1 | |
| Front entry AD | Windows and components | 3 | 2 | |
| 2 nd floor stairway D | Window and components | 5 | 1 | |
| Room 1 A | Windows and components | 5 | 3 | |
| Room 2 AB | Windows and components | 5 | 2 | |
| Bathroom B | Window and components | 5 | 1 | |
| Rear stairway B | Window and components | 5 | 1 | |
| Kitchen C | Windows and components | 5 | 2 | |
| Room 3 D | Windows and components | 5 | 2 | |

INTERIOR

General note: If any interior inaccessible components (paneling, drop ceiling, wall boards, etc.) are ever removed, all painted surfaces must be assumed positive.

| Room/Location | Component(s) | Square Feet | Quantity | Assumed Positive (check if |
|-----------------------------------|--------------------------------------|----------------|----------|----------------------------------|
| | | | | yes) |
| Front entry A | Door and components | 25 | 1 | |
| Front entry | Baseboard | 6 | | |
| Front entry D | Stringer | 18 | | |
| Front entry AD | Windows and components | 5 | 2 | |
| 2 nd floor stairway | Window and components | 8 | 1 | |
| 2 nd floor stairway | Stair stringer | 4 | | |
| 2 nd floor stairway | Baseboard | 25 | | |
| 2 nd floor stairway B | Doors and components including | 22 | 4 | |
| | dormers | | | |
| 2 nd floor stairway D | Door and components | 18 | 1 | |
| 2 nd floor stairway D | Closet door and components | 18 | 1 | |
| 2 nd floor stairway D | Closet components | 8 | | |
| 2 nd floor stairway C | Door components | 10 | 1 | |
| Bathroom B | Cabinet out and in including shelves | 20 | | |
| Bathroom D | Door and jamb including dormer | 20 | 1 | |
| 2 nd floor stairway AC | Trim (corner) | 2 | 3 | |
| Rear stairway AC | Trim (corner) | 2 | 2 | |

| | INTERIOR | | | |
|--|---|--------------------------------|---------------|---------------------|
| | terior inaccessible components (panel | | ling, wall bo | ards, etc.) |
| are ever removed, all p Room/Location | ainted surfaces must be assumed posit Component(s) | <i>ive</i> . Square Feet | Quantity | Assumed Positive |
| | | | | (check if yes) |
| Rear stairway B | Window and components | 6 | 1 | |
| Rear stairway C | Door casing | 6 | 1 | |
| Rear stairway ABCD | Stair stringers | 40 | | |
| Rear stairway | Baseboard | 6 | | |
| Kitchen AB | Trim (corner) (in closet) | 2 | 2 | |
| Kitchen ABCD | Baseboard | 15 | | |
| Kitchen C | Windows and components | 8 | 2 | |
| Kitchen AB | Doors and components | 15 | 2 | |
| Kitchen A | Door components | 10 | 1 | |
| Kitchen B | Closet components | 15 | 1 | |
| Kitchen B | Closet door and components | 20 | | |
| Attic stairway C | Door and jamb | 15 | | |
| Room 1 A | Windows and components | 8 | 3 | |
| Room 1 ABCD | Baseboard | 30 | | |
| Room 1 D | Arch casing | 14 | | |
| Room 1 C | Door and components including dormer | 22 | | |
| Room 1 D | Door and components | 15 | | |
| Room 1 D | Closet door and components | 15 | | |
| Room 1 D | Closet components | 8 | | |
| Room 2 AB | Windows and components | 8 | 2 | |
| Room 2 ABCD | Baseboard | 25 | | |
| Room 2 D | Door and components including dormer | 22 | 1 | |
| Room 3 B | Door and components including dormer | 22 | 1 | |
| Room 3 C | Door and components | 15 | 1 | |
| Room 3 C | Closet door and components | 15 | 1 | |
| Room 3 C | Closet components | 10 | | |
| Room 3 D | Windows and components | 5 | 2 | |
| Room 3 ABCD | Baseboard | 20 | | |

Please remember that all identified LBP and LBP hazards should always be properly addressed by professionally certified lead workers.

2.3 **Positive XRF Readings**

Please note: This data is representative of the positive components determined via X-ray analysis at the time of the risk assessment. For a full determination of lead hazards, please see Section 2.2.

| # | Component | Substrate | Side | Condition of Paint | Room | Color | Floor | PbC | Result |
|----------|-------------------------|------------------------|--------|------------------------------|----------------------------|----------------|------------|------------|----------------------|
| 4 | Door Casing | Wood | A | DETERIORATED | Entry Front | Brown | 1st | 25.2 | Positive |
| 5 | Door Jamb | Wood | А | DETERIORATED | Entry Front | Brown | 1st | 29.3 | Positive |
| 6 | Door Threshold | Wood | А | DETERIORATED | Entry Front | Brown | 1st | 2.8 | Positive |
| 7 | Win. Sash | Wood | А | DETERIORATED | Entry Front | Brown | 1st | 6.3 | Positive |
| 8 | Win. Sash | Wood | А | DETERIORATED | Entry Front | White | 1st | 15.5 | Positive |
| 9 | Win. Sill-Stool | Wood | А | DETERIORATED | Entry Front | White | 1st | 14.9 | Positive |
| 10 | Win. Casing | Wood | А | DETERIORATED | Entry Front | White | 1st | 15 | Positive |
| 11 | Win. Casing | Wood | A | DETERIORATED | Entry Front | White | 1st | 15 | Positive |
| 12 | Door Jamb | Wood | A | DETERIORATED | Entry Front | White | 1st | 14.5 | Positive |
| 13 | Door Casing | Wood | A | DETERIORATED | Entry Front | White | 1st | 14.5 | Positive |
| 14 15 | Door Baseboard | Wood Wood | A B | DETERIORATED | Entry Front Entry Front | White White | 1st | 12.5 14 | Positive Positive |
| 17 | Stair Stringer | Wood | D | DETERIORATED DETERIORATED | Entry Front | White | 1st 1st | 10.3 | Positive |
| 23 | Win. Casing | Wood | D | DETERIORATED | 2nd Fl. Stair | White | 2nd | 11.6 | Positive |
| 23 | Win. Sash | Wood | D | DETERIORATED | 2nd Fl. Stair | White | 2nd 2nd | 9.8 | Positive |
| 25 | Win. Sill-Stool | Wood | D | DETERIORATED | 2nd Fl. Stair | White | 2nd 2nd | 10.9 | Positive |
| 26 | Win. Sash | Wood | D | DETERIORATED | 2nd Fl. Stair | Brown | 2nd 2nd | 9.5 | Positive |
| 27 | Win. Well-Trough | Wood | D | DETERIORATED | 2nd Fl. Stair | Brown | 2nd | 11.4 | Positive |
| 28 | Win. Track | Wood | D | DETERIORATED | 2nd Fl. Stair | Brown | 2nd | 10.3 | Positive |
| 29 | Stair Stringer | Wood | С | DETERIORATED | 2nd Fl. Stair | White | 2nd | 8.3 | Positive |
| 30 | Baseboard | Wood | В | DETERIORATED | 2nd Fl. Stair | White | 2nd | 13.6 | Positive |
| 31 | Door | Wood | В | DETERIORATED | 2nd Fl. Stair | White | 2nd | 12.8 | Positive |
| 32 | Door Jamb | Wood | В | DETERIORATED | 2nd Fl. Stair | White | 2nd | 21.4 | Positive |
| 33 | Door Casing | Wood | В | DETERIORATED | 2nd Fl. Stair | White | 2nd | 15.5 | Positive |
| 34 | Door Dormer Wn. | Wood | В | DETERIORATED | 2nd Fl. Stair | White | 2nd | 16.3 | Positive |
| 35 | Clos. Door | Wood | D | DETERIORATED | 2nd Fl. Stair | White | 2nd | 12.6 | Positive |
| 36 | Clos. Dr. Jamb | Wood | D | DETERIORATED | 2nd Fl. Stair | White | 2nd | 9.9 | Positive |
| 37 | Clos. Baseboard | Wood | D | DETERIORATED | 2nd Fl. Stair | White | 2nd | 5.1 | Positive |
| 38 | Clos. Bracket | Wood | D | DETERIORATED | 2nd Fl. Stair | Grey | 2nd | 6.3 | Positive |
| 39 45 | Clos. Shelf Sink out | Wood Glazed Ceramic | D C | DETERIORATED INTACT | 2nd Fl. Stair | Grey White | 2nd | 5.8 2.9 | Positive |
| 45 | Cabinet Out | Wood | В | DETERIORATED | Bathroom Bathroom | White | 2nd 2nd | 10.1 | Positive Positive |
| 47 | Cabinet Shelf | Wood | В | DETERIORATED | Bathroom | White | 2nd 2nd | 8.8 | Positive |
| 48 | Cabinet In | Wood | B | DETERIORATED | Bathroom | White | 2nd 2nd | 8.3 | Positive |
| 57 | Win. Well-Trough | Wood | В | DETERIORATED | Bathroom | Brown | 2nd | 5.7 | Positive |
| 58 | Win. Track | Wood | В | DETERIORATED | Bathroom | Brown | 2nd | 31 | Positive |
| 59 | Win. Sash | Wood | В | DETERIORATED | Bathroom | Brown | 2nd | 14 | Positive |
| 60 | Door | Wood | D | DETERIORATED | Bathroom | White | 2nd | 9.8 | Positive |
| 62 | Door Jamb | Wood | D | DETERIORATED | Bathroom | White | 2nd | 11.4 | Positive |
| 63 | Door Dormer Wn. | Wood | D | DETERIORATED | Bathroom | White | 2nd | 11.3 | Positive |
| 64 | Win. Sill-Stool | Wood | В | DETERIORATED | Stair Rear | White | 2nd | 17.2 | Positive |
| 65 | Win. Sash | Wood | В | DETERIORATED | Stair Rear | White | 2nd | 17.3 | Positive |
| 66 | Win. Casing | Wood | В | DETERIORATED | Stair Rear | White | 2nd | 15 | Positive |
| 67 | Win. Sash | Wood | В | DETERIORATED | Stair Rear | Brown | 2nd | 15.3 | Positive |
| 68 | Win. Well-Trough | Wood | В | | Stair Rear | Brown | 2nd 2nd | 15.9 | Positive |
| 69 | Win. Track | Wood | B | DETERIORATED | Stair Rear | Brown | 2nd | 14.8 | Positive |
| 70 71 | Trim Stair Stringer | Wood Wood | C C | DETERIORATED DETERIORATED | Stair Rear Stair Rear | White White | 2nd 2nd | 11.7 20 | Positive Positive |
| 71 | Baseboard | Wood | A | DETERIORATED | Stair Rear | White | 2nd 2nd | 17 | Positive |
| 74 | Door Casing | Wood | C | DETERIORATED | Stair Rear | White | 1st | 19.3 | Positive |
| 75 | Stair Stringer | Wood | D | DETERIORATED | Stair Rear | White | 1st | 18.4 | Positive |
| 79 | Trim | Wood | C | DETERIORATED | 2nd Fl. Stair | White | 2nd | 16.7 | Positive |
| 82 | Door | Wood | A | DETERIORATED | Kitchen | White | 2nd | 6.5 | Positive |
| 83 | Door Casing | Wood | А | DETERIORATED | Kitchen | White | 2nd | 6.6 | Positive |
| 84 | Door Jamb | Wood | А | DETERIORATED | Kitchen | White | 2nd | 7 | Positive |
| 85 | Door Jamb | Wood | В | DETERIORATED | Kitchen | White | 2nd | 6.9 | Positive |
| 86 | Win. Casing | Wood | С | DETERIORATED | Kitchen | White | 2nd | 6.5 | Positive |
| 87 | Win. Sill-Stool | Wood | С | DETERIORATED | Kitchen | White | 2nd | 5.5 | Positive |
| 88 | Win. Sash | Wood | С | DETERIORATED | Kitchen | White | 2nd | 5.4 | Positive |
| 89 | Trim | Wood | Α | DETERIORATED | Kitchen | White | 2nd | 10.4 | Positive |
| 90 | Baseboard | Wood | В | DETERIORATED | Kitchen | White | 2nd | 8.9 | Positive |
| 91 | Win. Well-Trough | Wood | C | DETERIORATED | Kitchen | Brown | 2nd | 2 | Positive |
| 92 | Win. Track | Wood | С | DETERIORATED | Kitchen | Brown | 2nd | 21.6 | Positive |
| 93 | Win. Sash | Wood | С | DETERIORATED | Kitchen | Brown | 2nd | 15.8 | Positive |

| 95 Clos. Dr. Casing Wood B DETERIORATED Kitchen White 2nd 7.6. 96 Clos. Bracket Wood B DETERIORATED Kitchen White 2nd 8.9. 97 Clos. Shelf Wood B DETERIORATED Kitchen White 2nd 8.8. 102 Door Jamb Wood C DETERIORATED Attic Stair Grey 2nd 4.2. 107 Win. Sash Wood A DETERIORATED Acom 01 White 2nd 13.1 108 Win. Saish Wood A DETERIORATED Room 01 White 2nd 13.1 110 Baseboard Wood A DETERIORATED Room 01 White 2nd 16.2 111 Door Wood C DETERIORATED Room 01 White 2nd 16.2 112 Door Jamb Wood C DETERIORATED Room 01 White 2nd | # | Component | Substrate | Side | Condition of Paint | Room | Color | Floor | PbC | Result |
|--|-----|------------------|-----------|------|-----------------------|-------------|-------|-------|--------------|----------|
| 96 Clos. Bracket Wood B DETERIORATED Kitchen White 2nd 9.7 97 Clos. Baseboard Wood B DETERIORATED Kitchen White 2nd 9.1 98 Clos. Shelf Wood C DETERIORATED Kitchen White 2nd 4.5 103 Door Wood C DETERIORATED Attic Stair Grey 2nd 4.5 107 Win. Sash Wood A DETERIORATED Room 01 White 2nd 13.5 108 Win. Saish Wood A DETERIORATED Room 01 White 2nd 13.5 110 Baseboard Wood C DETERIORATED Room 01 White 2nd 14.5 111 Door Graing Wood C DETERIORATED Room 01 White 2nd 15.2 113 Door Joor Jamb Wood D DETERIORATED Room 01 Wh | 94 | Clos. Door | Wood | В | DETERIORATED | Kitchen | White | 2nd | 9.4 | Positive |
| 97 Clos. Baseboard Wood B DETERIORATED Kitchen White 2nd 9.1 98 Clos. Shelf Wood C DETERIORATED Kitchen White 2nd 4.5 103 Door Wood C DETERIORATED Attic Stair Grey 2nd 4.5 107 Win, Sill-Stool Wood A DETERIORATED Room 01 White 2nd 1.3 108 Win, Sill-Stool Wood A DETERIORATED Room 01 White 2nd 1.5 110 Baseboard Wood A DETERIORATED Room 01 White 2nd 1.5 111 Door Gasing Wood C DETERIORATED Room 01 White 2nd 1.6 1.6 1.5 1.5 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 | 95 | Clos. Dr. Casing | Wood | В | DETERIORATED | Kitchen | White | 2nd | 7.6 | Positive |
| 98 Clos. Shelf Wood B DETERIORATED Kitchen White 2nd 4.5 103 Door Wood C DETERIORATED Attic Stair Grey 2nd 4.5 107 Win, Sash Wood A DETERIORATED Rom 01 White 2nd 4.2 108 Win, Sill-Stool Wood A DETERIORATED Room 01 White 2nd 13.3 109 Win, Casing Wood A DETERIORATED Room 01 White 2nd 14.3 110 Baseboard Wood C DETERIORATED Room 01 White 2nd 15.2 113 Door Jamb Wood C DETERIORATED Room 01 White 2nd 16.2 114 Door Casing Wood D DETERIORATED Room 01 White 2nd 16.2 115 Clos. Dr. Jamb Wood D DETERIORATED Room 01 White 2nd | 96 | Clos. Bracket | Wood | В | DETERIORATED | Kitchen | White | 2nd | 8.7 | Positive |
| 102 Door Jamb Wood C DETERIORATED Attic Stair Grey 2nd 4.5. 103 Door Win. Sash Wood A DETERIORATED Room 01 White 2nd 4.2. 108 Win. Sill-Stool Wood A DETERIORATED Room 01 White 2nd 13.5. 110 Baseboard Wood A DETERIORATED Room 01 White 2nd 11.5. 111 Door Casing Wood C DETERIORATED Room 01 White 2nd 11.5. 112 Door Casing Wood C DETERIORATED Room 01 White 2nd 17.5. 113 Door Jamb Wood D DETERIORATED Room 01 White 2nd 17.5. 114 Clos. Dr. Jamb Wood D DETERIORATED Room 01 White 2nd 17.2. 115 Clos. Bracket Wood D DETERIORATED Room 01 < | 97 | Clos. Baseboard | Wood | В | DETERIORATED | Kitchen | White | 2nd | 9.1 | Positive |
| 103 Door Wood C DETERIORATED Attic Stair Grey 2nd 4.2 107 Win, Sash Wood A DETERIORATED Room 01 White 2nd 112 108 Win, Casing Wood A DETERIORATED Room 01 White 2nd 113.5 110 Baseboard Wood A DETERIORATED Room 01 White 2nd 113.5 111 Door Wood C DETERIORATED Room 01 White 2nd 115.2 112 Door Jamb Wood C DETERIORATED Room 01 White 2nd 15.2 113 Door Dormer Wn Wood D DETERIORATED Room 01 White 2nd 17.6 114 Door Wood D DETERIORATED Room 01 White 2nd 17.6 114 Clos. Bracket Wood D DETERIORATED Room 01 White 2nd 111 | 98 | Clos. Shelf | Wood | В | DETERIORATED | Kitchen | White | 2nd | 8 | Positive |
| 107 Win. Sash Wood A DETERIORATED Room 01 White 2nd 13 108 Win. Sill-Stool Wood A DETERIORATED Room 01 White 2nd 12. 110 Baseboard Wood A DETERIORATED Room 01 White 2nd 13. 111 Door Wood C DETERIORATED Room 01 White 2nd 16. 113 Door Casing Wood C DETERIORATED Room 01 White 2nd 17. 114 Door Cormer Wn. Wood C DETERIORATED Room 01 White 2nd 16. 115 Cios. Door Wood D DETERIORATED Room 01 White 2nd 11. 116 Cios. Dr. Jamb Wood D DETERIORATED Room 01 White 2nd 12.4 117 Cios. Bracket Wood D DETERIORATED Room 01 Grey 2nd | 102 | Door Jamb | Wood | С | DETERIORATED | Attic Stair | Grey | 2nd | 4.5 | Positive |
| 108 Win. Sill-Stool Wood A DETERIORATED Room 01 White 2nd 12.1 109 Win. Casing Wood A DETERIORATED Room 01 White 2nd 13.3 110 Baseboard Wood C DETERIORATED Room 01 White 2nd 14.5 111 Door Casing Wood C DETERIORATED Room 01 White 2nd 15.2 113 Door Jamb Wood C DETERIORATED Room 01 White 2nd 15.2 114 Door Dormer Wn, Wood D DETERIORATED Room 01 White 2nd 12.4 115 Clos. Dr. Jamb Wood D DETERIORATED Room 01 White 2nd 12.4 117 Clos. Baseboard Wood D DETERIORATED Room 01 White 2nd 12.4 118 Clos.Shelf Wood A DETERIORATED Room 01 White | 103 | Door | Wood | С | DETERIORATED | Attic Stair | Grey | 2nd | 4.2 | Positive |
| 109Win. CasingWoodADETERIORATEDRoom 01White2nd113.5110BaseboardWoodCDETERIORATEDRoom 01White2nd113.5111DoorWoodCDETERIORATEDRoom 01White2nd16.2113Door JambWoodCDETERIORATEDRoom 01White2nd16.2114Door Dormer Wn.WoodCDETERIORATEDRoom 01White2nd17.7114Door Dormer Wn.WoodDDETERIORATEDRoom 01White2nd19.2115Clos. DoorWoodDDETERIORATEDRoom 01White2nd19.2116Clos. Dr. JambWoodDDETERIORATEDRoom 01White2nd19.2117Clos. BaseboardWoodDDETERIORATEDRoom 01Grey2nd11.1119Clos. ShelfWoodDDETERIORATEDRoom 01Grey2nd12.4118Clos. ShelfWoodDDETERIORATEDRoom 01Brown2nd2.5121Arch CasingWoodADETERIORATEDRoom 01Brown2nd2.5122Win. TrackWoodADETERIORATEDRoom 01Brown2nd12.5123Win. SashWoodADETERIORATEDRoom 02Brown2nd17.2126Win. TrackWoodADETERIORATED< | 107 | Win. Sash | Wood | А | DETERIORATED | Room 01 | White | 2nd | 13 | Positive |
| 110BaseboardWoodADETERIORATEDRoom 01White2nd11.3111Door CasingWoodCDETERIORATEDRoom 01White2nd16.2112Door CasingWoodCDETERIORATEDRoom 01White2nd16.2113Door JambWoodCDETERIORATEDRoom 01White2nd17.7114Door Dormer Wn.WoodDDETERIORATEDRoom 01White2nd16.2115Clos. Dr. JambWoodDDETERIORATEDRoom 01White2nd12.4116Clos. BracketWoodDDETERIORATEDRoom 01Grey2nd11.1119Clos. ShelfWoodDDETERIORATEDRoom 01Grey2nd11.1112Arch CasingWoodDDETERIORATEDRoom 01White2nd12.4113Clos. ShelfWoodDDETERIORATEDRoom 01Brown2nd12.4114Clos. ShelfWoodADETERIORATEDRoom 01Brown2nd2.5113Win. Well-TroughWoodADETERIORATEDRoom 01Brown2nd2.5114Arch CasingWoodADETERIORATEDRoom 01Brown2nd12.4115Win. SashWoodADETERIORATEDRoom 01Brown2nd12.4115Win. SashWoodADETERIORATED< | 108 | Win. Sill-Stool | Wood | А | DETERIORATED | Room 01 | White | 2nd | 12.1 | Positive |
| 111 Door Wood C DETERIORATED Room 01 White 2nd 15 112 Door Casing Wood C DETERIORATED Room 01 White 2nd 16.2 113 Door Jamb Wood C DETERIORATED Room 01 White 2nd 15.2 114 Door Jormer Wn. Wood D DETERIORATED Room 01 White 2nd 15.2 116 Clos. Door Wood D DETERIORATED Room 01 White 2nd 12.4 117 Clos. Baseboard Wood D DETERIORATED Room 01 Grey 2nd 14.1 119 Clos. Shelf Wood D DETERIORATED Room 01 Grey 2nd 16.5 121 Arch Casing Wood A DETERIORATED Room 01 Brown 2nd 25.3 122 Win. Well-Trough Wood A DETERIORATED Room 01 Brown 2nd <td>109</td> <td>Win. Casing</td> <td>Wood</td> <td>А</td> <td>DETERIORATED</td> <td>Room 01</td> <td>White</td> <td>2nd</td> <td>13.5</td> <td>Positive</td> | 109 | Win. Casing | Wood | А | DETERIORATED | Room 01 | White | 2nd | 13.5 | Positive |
| 112Door CasingWoodCDETERIORATEDRoom 01White2nd16.2113Door JambWoodCDETERIORATEDRoom 01White2nd17.7114Door Dormer Wn.WoodDDETERIORATEDRoom 01White2nd15.2115Clos. DorWoodDDETERIORATEDRoom 01White2nd16.2116Clos. Dr. JambWoodDDETERIORATEDRoom 01White2nd12.4117Clos. BracketWoodDDETERIORATEDRoom 01White2nd11.1119Clos. ShelfWoodDDETERIORATEDRoom 01Grey2nd16.5121Arch CasingWoodDDETERIORATEDRoom 01Brown2nd2.5123Win. TrackWoodADETERIORATEDRoom 01Brown2nd2.5124Win. SashWoodADETERIORATEDRoom 01Brown2nd17.2125Win. SashWoodADETERIORATEDRoom 02Brown2nd17.2126Win. SashWoodADETERIORATEDRoom 02Brown2nd13.3132BaseboardWoodBDETERIORATEDRoom 02Brown2nd15.5133Win. SashWoodADETERIORATEDRoom 02White2nd15.5134Win. Sill-StoolWoodBDETERIORATED <td< td=""><td>110</td><td>Baseboard</td><td>Wood</td><td>А</td><td>DETERIORATED</td><td>Room 01</td><td>White</td><td>2nd</td><td>11.3</td><td>Positive</td></td<> | 110 | Baseboard | Wood | А | DETERIORATED | Room 01 | White | 2nd | 11.3 | Positive |
| 113Door JambWoodCDETERIORATEDRoom 01White2nd17.7114Door Dormer Wn.WoodCDETERIORATEDRoom 01White2nd15.2115Clos. DoorWoodDDETERIORATEDRoom 01White2nd10.2116Clos. Dr. JambWoodDDETERIORATEDRoom 01White2nd12.4117Clos. BaseboardWoodDDETERIORATEDRoom 01White2nd12.4118Clos. BracketWoodDDETERIORATEDRoom 01Grey2nd16.5121Arch CasingWoodDDETERIORATEDRoom 01White2nd25.5123Win. TrackWoodADETERIORATEDRoom 01Brown2nd25.3124Win. SashWoodADETERIORATEDRoom 01Brown2nd17.2125Win. SashWoodADETERIORATEDRoom 02Brown2nd17.2126Win. TrackWoodADETERIORATEDRoom 02Brown2nd16.3127Win. SashWoodADETERIORATEDRoom 02Brown2nd16.3128BaseboardWoodADETERIORATEDRoom 02Brown2nd16.3133Win. CasingWoodBDETERIORATEDRoom 02White2nd16.3134Win. Sill-StoolWoodBDETERIORATED | 111 | Door | Wood | С | DETERIORATED | Room 01 | White | 2nd | 15 | Positive |
| 114Door Dormer Wn.WoodCDETERIORATEDRoom 01White2nd15.2115Clos. DoorWoodDDETERIORATEDRoom 01White2nd10.2116Clos. Dr. JambWoodDDETERIORATEDRoom 01White2nd12.4117Clos. BaseboardWoodDDETERIORATEDRoom 01White2nd12.4118Clos. BracketWoodDDETERIORATEDRoom 01Grey2nd11.1119Clos. ShelfWoodDDETERIORATEDRoom 01Grey2nd16.5121Arch CasingWoodADETERIORATEDRoom 01Brown2nd25.3123Win. TrackWoodADETERIORATEDRoom 01Brown2nd25.3124Win. SashWoodADETERIORATEDRoom 01Brown2nd17.2126Win. TrackWoodADETERIORATEDRoom 02Brown2nd17.2126Win. TrackWoodADETERIORATEDRoom 02Brown2nd17.2126Win. TrackWoodADETERIORATEDRoom 02Brown2nd17.2126Win. CasingWoodBDETERIORATEDRoom 02White2nd15.1137DoorWoodBDETERIORATEDRoom 02White2nd16.5138Win. SashWoodBDETERIORATED <td< td=""><td>112</td><td>Door Casing</td><td>Wood</td><td>С</td><td>DETERIORATED</td><td>Room 01</td><td>White</td><td>2nd</td><td>16.2</td><td>Positive</td></td<> | 112 | Door Casing | Wood | С | DETERIORATED | Room 01 | White | 2nd | 16.2 | Positive |
| 115Clos. DoorWoodDDETERIORATEDRoom 01White2nd10.2116Clos. Dr. JambWoodDDDETERIORATEDRoom 01White2nd12.4117Clos. BracketWoodDDDETERIORATEDRoom 01White2nd12.4118Clos. BracketWoodDDDETERIORATEDRoom 01Grey2nd6.5121Arch CasingWoodDDETERIORATEDRoom 01Brown2nd2.5122Win. Well-TroughWoodADETERIORATEDRoom 01Brown2nd2.5123Win. TrackWoodADETERIORATEDRoom 01Brown2nd2.5124Win. SashWoodADETERIORATEDRoom 01Brown2nd17.2125Win. SashWoodADETERIORATEDRoom 02Brown2nd17.2126Win. TrackWoodADETERIORATEDRoom 02Brown2nd17.2126Win. SashWoodADETERIORATEDRoom 02Brown2nd17.3132BaseboardWoodBDETERIORATEDRoom 02White2nd16.3133Win. CasingWoodBDETERIORATEDRoom 02White2nd15.3134Win. Sill-StoolWoodBDETERIORATEDRoom 02White2nd15.5137DoorDoodB< | 113 | Door Jamb | Wood | С | DETERIORATED | Room 01 | White | 2nd | 17.7 | Positive |
| 115Clos. DoorWoodDDETERIORATEDRoom 01White2nd10.2116Clos. Dr. JambWoodDDDETERIORATEDRoom 01White2nd12.4117Clos. BracketWoodDDDETERIORATEDRoom 01White2nd12.4118Clos. BracketWoodDDDETERIORATEDRoom 01Grey2nd11.1119Clos. ShelfWoodDDDETERIORATEDRoom 01Grey2nd6.5121Arch CasingWoodADETERIORATEDRoom 01Brown2nd2.5123Win. Well-TroughWoodADETERIORATEDRoom 01Brown2nd2.5.124Win. SashWoodADETERIORATEDRoom 01Brown2nd17.2125Win. SashWoodADETERIORATEDRoom 02Brown2nd17.2126Win. SashWoodADETERIORATEDRoom 02Brown2nd17.2127Win. Well-TroughWoodADETERIORATEDRoom 02White2nd16.3132BaseboardWoodBDETERIORATEDRoom 02White2nd15.3133Win. CasingWoodBDETERIORATEDRoom 02White2nd15.3134Win. SashWoodBDETERIORATEDRoom 02White2nd15.5138DoorWoo | 114 | Door Dormer Wn. | Wood | С | DETERIORATED | Room 01 | White | 2nd | 15.2 | Positive |
| 117Clos. BaseboardWoodDDETERIORATEDRoom 01White2nd9.2118Clos. BracketWoodDDETERIORATEDRoom 01Grey2nd11.1119Clos. ShelfWoodDDETERIORATEDRoom 01Grey2nd11.1121Arch CasingWoodDDETERIORATEDRoom 01White2nd2.5122Win. Vell-TroughWoodADETERIORATEDRoom 01Brown2nd2.5123Win. TrackWoodADETERIORATEDRoom 01Brown2nd2.5124Win. SashWoodADETERIORATEDRoom 01Brown2nd17.2125Win. SashWoodADETERIORATEDRoom 02Brown2nd17.2126Win. TrackWoodADETERIORATEDRoom 02Brown2nd13.3127Win. Well-TroughWoodADETERIORATEDRoom 02Brown2nd13.3138Win. CasingWoodBDETERIORATEDRoom 02White2nd16.3133Win. Sall-StoolWoodBDETERIORATEDRoom 02White2nd15.3134Win. SashWoodDDETERIORATEDRoom 02White2nd16.5137Door CasingWoodDDETERIORATEDRoom 02White2nd16.5138Door JambWoodDDETERIORATE | 115 | Clos. Door | Wood | D | 1 | Room 01 | White | 2nd | 10.2 | Positive |
| 118Clos. BracketWoodDDETERIORATEDRoom 01Grey2nd11.1119Clos. ShelfWoodDDETERIORATEDRoom 01Grey2nd6.5121Arch CasingWoodADETERIORATEDRoom 01White2nd12.5122Win. Well-TroughWoodADETERIORATEDRoom 01Brown2nd2.5123Win. TrackWoodADETERIORATEDRoom 01Brown2nd2.5124Win. SashWoodADETERIORATEDRoom 01Brown2nd12.5125Win. SashWoodADETERIORATEDRoom 02Brown2nd17.2126Win. TrackWoodADETERIORATEDRoom 02Brown2nd17.2126Win. TrackWoodADETERIORATEDRoom 02Brown2nd17.3127Win. Well-TroughWoodADETERIORATEDRoom 02White2nd13.3132BaseboardWoodBDETERIORATEDRoom 02White2nd15.3133Win. Sail-StoolWoodBDETERIORATEDRoom 02White2nd15.5134Win. Sill-StoolWoodDDETERIORATEDRoom 02White2nd15.5135Door CasingWoodDDETERIORATEDRoom 02White2nd16.5138Door JambWoodDDETERIORATE | 116 | Clos. Dr. Jamb | Wood | D | DETERIORATED | Room 01 | White | 2nd | 12.4 | Positive |
| 118Clos. BracketWoodDDETERIORATEDRoom 01Grey2nd11.1119Clos. ShelfWoodDDETERIORATEDRoom 01Grey2nd6.5121Arch CasingWoodADETERIORATEDRoom 01White2nd12.4122Win. Well-TroughWoodADETERIORATEDRoom 01Brown2nd2.5123Win. TrackWoodADETERIORATEDRoom 01Brown2nd2.5124Win. SashWoodADETERIORATEDRoom 01Brown2nd12.5125Win. SashWoodADETERIORATEDRoom 02Brown2nd17.2126Win. TrackWoodADETERIORATEDRoom 02Brown2nd17.3127Win. Well-TroughWoodADETERIORATEDRoom 02Brown2nd13.3132BaseboardWoodBDETERIORATEDRoom 02White2nd15.3133Win. CasingWoodBDETERIORATEDRoom 02White2nd15.3134Win. Sill-StoolWoodDDETERIORATEDRoom 02White2nd15.5137Door CasingWoodDDETERIORATEDRoom 02White2nd15.5138Door JambWoodBDETERIORATEDRoom 03White2nd16.5141Door CasingWoodBDETERIORATED </td <td></td> <td></td> <td></td> <td>D</td> <td></td> <td></td> <td></td> <td></td> <td>9.2</td> <td>Positive</td> | | | | D | | | | | 9.2 | Positive |
| 119Clos. ShelfWoodDDETERIORATEDRoom 01Grey2nd6.5121Arch CasingWoodDDETERIORATEDRoom 01White2nd12.4122Win. Vent CasingWoodADETERIORATEDRoom 01Brown2nd2.5123Win. TrackWoodADETERIORATEDRoom 01Brown2nd2.5124Win. SashWoodADETERIORATEDRoom 01Brown2nd19125Win. SashWoodADETERIORATEDRoom 02Brown2nd17.2126Win. TrackWoodADETERIORATEDRoom 02Brown2nd17.2126Win. TrackWoodADETERIORATEDRoom 02Brown2nd16.1137Win. Sail-StoolWoodBDETERIORATEDRoom 02White2nd16.3138Win. Sail-StoolWoodBDETERIORATEDRoom 02White2nd15.5137Door CasingWoodDDETERIORATEDRoom 02White2nd15.5138Door JambWoodDDETERIORATEDRoom 02White2nd16.5138Door JambWoodDDETERIORATEDRoom 02White2nd16.5139Door CasingWoodDDETERIORATEDRoom 02White2nd16.6141Door Dormer Wn.WoodDDETERIORATED <td></td> <td></td> <td></td> <td>D</td> <td></td> <td></td> <td></td> <td></td> <td>11.1</td> <td>Positive</td> | | | | D | | | | | 11.1 | Positive |
| 121Arch CasingWoodDDETERIORATEDRoom 01White2nd12.4122Win. Well-TroughWoodADETERIORATEDRoom 01Brown2nd2.5123Win. TrackWoodADETERIORATEDRoom 01Brown2nd2.5124Win. SashWoodADETERIORATEDRoom 01Brown2nd19125Win. SashWoodADETERIORATEDRoom 02Brown2nd17.2126Win. TrackWoodADETERIORATEDRoom 02Brown2nd1.3132BaseboardWoodBDETERIORATEDRoom 02White2nd1.3133Win. CasingWoodBDETERIORATEDRoom 02White2nd15.3134Win. Sill-StoolWoodBDETERIORATEDRoom 02White2nd15.5137Door CasingWoodDDETERIORATEDRoom 02White2nd15.5137Door JambWoodDDETERIORATEDRoom 02White2nd16.3140Door Jormer Wn.WoodBDETERIORATEDRoom 03White2nd16.3141Door CasingWoodBDETERIORATEDRoom 03White2nd16.3142Door JambWoodDDETERIORATEDRoom 03White2nd16.3144Door Corner Wn.WoodBDETERIORATED <td></td> <td></td> <td></td> <td>D</td> <td>1</td> <td></td> <td></td> <td></td> <td>6.5</td> <td>Positive</td> | | | | D | 1 | | | | 6.5 | Positive |
| 122Win. Weil-TroughWoodADETERIORATEDRoom 01Brown2nd2.5123Win. TrackWoodADETERIORATEDRoom 01Brown2nd25.3124Win. SashWoodADETERIORATEDRoom 01Brown2nd19125Win. SashWoodADETERIORATEDRoom 02Brown2nd17.2126Win. TrackWoodADETERIORATEDRoom 02Brown2nd17.2126Win. TrackWoodADETERIORATEDRoom 02Brown2nd13.3137Win. Weil-TroughWoodADETERIORATEDRoom 02White2nd14.3138BaseboardWoodBDETERIORATEDRoom 02White2nd15.3134Win. Sill-StoolWoodBDETERIORATEDRoom 02White2nd15.3135Win. SashWoodDDETERIORATEDRoom 02White2nd16.5136DoorWoodDDETERIORATEDRoom 02White2nd16.5137Door CasingWoodDDETERIORATEDRoom 02White2nd16.5138Door JambWoodDDETERIORATEDRoom 03White2nd16.5140Door Dormer Wn.WoodBDETERIORATEDRoom 03White2nd16.5141Door CasingWoodBDETERIORATED <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td>12.4</td><td>Positive</td></td<> | | | | | | | | - | 12.4 | Positive |
| 123Win. TrackWoodADETERIORATEDRoom 01Brown2nd25.3124Win. SashWoodADETERIORATEDRoom 01Brown2nd19125Win. SashWoodADETERIORATEDRoom 02Brown2nd17.2126Win. TrackWoodADETERIORATEDRoom 02Brown2nd17.2126Win. TrackWoodADETERIORATEDRoom 02Brown2nd16.3127Win. Well-TroughWoodADETERIORATEDRoom 02Brown2nd13.3132BaseboardWoodBDETERIORATEDRoom 02White2nd16.3133Win. CasingWoodBDETERIORATEDRoom 02White2nd15.3134Win. Sill-StoolWoodBDETERIORATEDRoom 02White2nd15.3135Win. SashWoodDDETERIORATEDRoom 02White2nd16.5136DoorWoodDDETERIORATEDRoom 02White2nd16.5137Door CasingWoodDDETERIORATEDRoom 02White2nd16.5138Door JambWoodDDETERIORATEDRoom 02White2nd16.5140Door Dormer Wn.WoodDDETERIORATEDRoom 03White2nd16.5141Door CasingWoodBDETERIORATEDRoo | | U | | | | | | | 2.5 | Positive |
| 124Win. SashWoodADETERIORATEDRoom 01Brown2nd19125Win. SashWoodADETERIORATEDRoom 02Brown2nd17.2126Win. TrackWoodADETERIORATEDRoom 02Brown2nd17.2126Win. TrackWoodADETERIORATEDRoom 02Brown2nd16.1127Win. Well-TroughWoodADETERIORATEDRoom 02Brown2nd1.3132BaseboardWoodBDETERIORATEDRoom 02White2nd16.1133Win. CasingWoodBDETERIORATEDRoom 02White2nd15.3134Win. Sill-StoolWoodBDETERIORATEDRoom 02White2nd15.3135Win. SashWoodDDETERIORATEDRoom 02White2nd15.5137DoorCasingWoodDDETERIORATEDRoom 02White2nd16.5138Door JambWoodDDETERIORATEDRoom 02White2nd16.6141Door Obrmer Wn.WoodBDETERIORATEDRoom 03White2nd17.5142Door JambWoodBDETERIORATEDRoom 03White2nd16.6141DoorWoodBDETERIORATEDRoom 03White2nd16.6143DoorWoodBDETERIORATEDRoom | | ŭ | | | 1 | | | - | 25.3 | Positive |
| 125Win. SashWoodADETERIORATEDRoom 02Brown2nd17.2126Win. TrackWoodADETERIORATEDRoom 02Brown2nd26.1127Win. Well-TroughWoodADETERIORATEDRoom 02Brown2nd1.3132BaseboardWoodBDETERIORATEDRoom 02White2nd1.6133Win. CasingWoodBDETERIORATEDRoom 02White2nd16134Win. Sill-StoolWoodBDETERIORATEDRoom 02White2nd15.3135Win. SashWoodBDETERIORATEDRoom 02White2nd15.3136DoorWoodDDETERIORATEDRoom 02White2nd15.5137Door CasingWoodDDETERIORATEDRoom 02White2nd16.5138Door JambWoodDDETERIORATEDRoom 02White2nd16.6140Door Dormer Wn.WoodDDETERIORATEDRoom 03White2nd16.6141Door CasingWoodBDETERIORATEDRoom 03White2nd16.6141Door CasingWoodBDETERIORATEDRoom 03White2nd16.6141Door CasingWoodBDETERIORATEDRoom 03White2nd16.6142Door JambWoodBDETERIORATEDRoo | | | | - | | | | | 19 | Positive |
| 126Win. TrackWoodADETERIORATEDRoom 02Brown2nd26.1127Win. Well-TroughWoodADETERIORATEDRoom 02Brown2nd1.3132BaseboardWoodBDETERIORATEDRoom 02White2nd16133Win. CasingWoodBDETERIORATEDRoom 02White2nd16134Win. Sill-StoolWoodBDETERIORATEDRoom 02White2nd15.3135Win. SashWoodBDETERIORATEDRoom 02White2nd15.1136DoorWoodDDDETERIORATEDRoom 02White2nd15.5137Door CasingWoodDDETERIORATEDRoom 02White2nd16.5138Door JambWoodDDETERIORATEDRoom 02White2nd16.3140Door Dormer Wn.WoodDDETERIORATEDRoom 02White2nd16.3140Door Dormer Wn.WoodBDETERIORATEDRoom 03White2nd16.5141Door CasingWoodBDETERIORATEDRoom 03White2nd16.5142Door JambWoodBDETERIORATEDRoom 03White2nd16.5142Door JambWoodBDETERIORATEDRoom 03White2nd16.5143DoorWoodCDETERIORATED< | | | | | 1 | | | | 17.2 | Positive |
| 127Win. Well-TroughWoodADETERIORATEDRoom 02Brown2nd1.3132BaseboardWoodBDETERIORATEDRoom 02White2nd16133Win. CasingWoodBDETERIORATEDRoom 02White2nd13.3134Win. Sill-StoolWoodBDETERIORATEDRoom 02White2nd15.3135Win. SashWoodDDETERIORATEDRoom 02White2nd15.3136DoorWoodDDETERIORATEDRoom 02White2nd15.5137Door CasingWoodDDETERIORATEDRoom 02White2nd16.5138Door JambWoodDDETERIORATEDRoom 02White2nd16.5139Door Dormer Wn.WoodDDETERIORATEDRoom 02White2nd16.6140Door Dormer Wn.WoodBDETERIORATEDRoom 03White2nd16.6141Door CasingWoodBDETERIORATEDRoom 03White2nd16.6142Door JambWoodBDETERIORATEDRoom 03White2nd16.6142Door JambWoodBDETERIORATEDRoom 03White2nd16.6144DoorWoodBDETERIORATEDRoom 03White2nd16.1143DoorWoodCDETERIORATEDRoom 03 <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td>-</td> <td>26.1</td> <td>Positive</td> | | | | - | | | | - | 26.1 | Positive |
| 132BaseboardWoodBDETERIORATEDRoom 02White2nd166133Win. CasingWoodBDETERIORATEDRoom 02White2nd13.3134Win. Sill-StoolWoodBDETERIORATEDRoom 02White2nd15.3135Win. SashWoodDDETERIORATEDRoom 02White2nd15.3136DoorWoodDDETERIORATEDRoom 02White2nd15.5137Door CasingWoodDDETERIORATEDRoom 02White2nd16.5138Door JambWoodDDETERIORATEDRoom 02White2nd16.5139Door Dormer Wn.WoodDDETERIORATEDRoom 02White2nd16.6140Door Dormer Wn.WoodBDETERIORATEDRoom 03White2nd16.6141Door CasingWoodBDETERIORATEDRoom 03White2nd16.7142Door JambWoodBDETERIORATEDRoom 03White2nd16.7142DoorWoodCDETERIORATEDRoom 03White2nd16.7143DoorWoodCDETERIORATEDRoom 03White2nd15.1145Clos. DoorWoodCDETERIORATEDRoom 03White2nd15.1145Clos. DoorWoodCDETERIORATEDRoom 03 <t< td=""><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td>1.3</td><td>Positive</td></t<> | | | | - | | | | | 1.3 | Positive |
| 133Win. CasingWoodBDETERIORATEDRoom 02White2nd13.3134Win. Sill-StoolWoodBDETERIORATEDRoom 02White2nd15.3135Win. SashWoodDDETERIORATEDRoom 02White2nd15.1136DoorWoodDDETERIORATEDRoom 02White2nd15.5137Door CasingWoodDDETERIORATEDRoom 02White2nd16.5138Door JambWoodDDETERIORATEDRoom 02White2nd14.8139Door Dormer Wn.WoodDDETERIORATEDRoom 02White2nd16.3140Door Dormer Wn.WoodBDETERIORATEDRoom 03White2nd16.6141Door CasingWoodBDETERIORATEDRoom 03White2nd16.6142Door JambWoodBDETERIORATEDRoom 03White2nd16.7142DoorJambWoodBDETERIORATEDRoom 03White2nd16.1143DoorWoodCDETERIORATEDRoom 03White2nd16.2144DoorWoodCDETERIORATEDRoom 03White2nd16.1145Clos. DoorWoodCDETERIORATEDRoom 03White2nd12.8146Clos. DorWoodCDETERIORATEDRoom 0 | - | | | | 1 | | | | 16 | Positive |
| 134Win. Sill-StoolWoodBDETERIORATEDRoom 02White2nd15.3135Win. SashWoodDDETERIORATEDRoom 02White2nd15.1136DoorWoodDDETERIORATEDRoom 02White2nd15.5137Door CasingWoodDDETERIORATEDRoom 02White2nd16.5138Door JambWoodDDETERIORATEDRoom 02White2nd16.5138Door JambWoodDDETERIORATEDRoom 02White2nd16.5140Door Dormer Wn.WoodDDETERIORATEDRoom 02White2nd16.6141Door CasingWoodBDETERIORATEDRoom 03White2nd16.6141Door CasingWoodBDETERIORATEDRoom 03White2nd16.6142Door JambWoodBDETERIORATEDRoom 03White2nd16.1143DoorWoodBDETERIORATEDRoom 03White2nd15.1144DoorWoodCDETERIORATEDRoom 03White2nd15.1145Clos. DoorWoodCDETERIORATEDRoom 03White2nd15.1145Clos. Dr. CasingWoodCDETERIORATEDRoom 03White2nd16.8146Clos. Dr. CasingWoodCDETERIORATEDRoom 0 | - | | | | | | | | 13.3 | Positive |
| 135Win. SashWoodBDETERIORATEDRoom 02White2nd15.1136DoorWoodDDETERIORATEDRoom 02White2nd15.5137Door CasingWoodDDETERIORATEDRoom 02White2nd16.5138Door JambWoodDDETERIORATEDRoom 02White2nd16.5139Door Dormer Wn.WoodDDETERIORATEDRoom 02White2nd16.3140Door Dormer Wn.WoodBDETERIORATEDRoom 03White2nd16.6141Door CasingWoodBDETERIORATEDRoom 03White2nd16.6142Door JambWoodBDETERIORATEDRoom 03White2nd16.6142Door JambWoodBDETERIORATEDRoom 03White2nd16.1143DoorWoodBDETERIORATEDRoom 03White2nd15.1144DoorWoodCDETERIORATEDRoom 03White2nd15.1145Clos. DoorWoodCDETERIORATEDRoom 03White2nd16.9144Clos. Dr. CasingWoodCDETERIORATEDRoom 03White2nd15.1145Clos. Dr. CasingWoodCDETERIORATEDRoom 03White2nd16.9147Clos. BaseboardWoodCDETERIORATEDRo | | 0 | | | | | | | | Positive |
| 136DoorWoodDDETERIORATEDRoom 02White2nd15.5137Door CasingWoodDDETERIORATEDRoom 02White2nd16.5138Door JambWoodDDETERIORATEDRoom 02White2nd14.8139Door Dormer Wn.WoodDDETERIORATEDRoom 02White2nd16.3140Door Dormer Wn.WoodBDETERIORATEDRoom 03White2nd16.6141Door CasingWoodBDETERIORATEDRoom 03White2nd16.6142Door JambWoodBDETERIORATEDRoom 03White2nd16.6143DoorWoodBDETERIORATEDRoom 03White2nd16.6144DoorWoodBDETERIORATEDRoom 03White2nd17.5142Door JambWoodBDETERIORATEDRoom 03White2nd16.1143DoorWoodCDETERIORATEDRoom 03White2nd13.7144DoorWoodCDETERIORATEDRoom 03White2nd15.1145Clos. Dr. CasingWoodCDETERIORATEDRoom 03White2nd15.7148Clos. BaseboardWoodCDETERIORATEDRoom 03White2nd7148Clos. ShelfWoodCDETERIORATEDRoom 03Grey< | | | | - | | | | - | | Positive |
| 137Door CasingWoodDDETERIORATEDRoom 02White2nd16.5138Door JambWoodDDETERIORATEDRoom 02White2nd14.8139Door Dormer Wn.WoodDDETERIORATEDRoom 02White2nd14.8139Door Dormer Wn.WoodBDETERIORATEDRoom 03White2nd16.3140Door Dormer Wn.WoodBDETERIORATEDRoom 03White2nd16.6141Door CasingWoodBDETERIORATEDRoom 03White2nd17.5142Door JambWoodBDETERIORATEDRoom 03White2nd16.1143DoorWoodBDETERIORATEDRoom 03White2nd16.1144DoorWoodCDETERIORATEDRoom 03White2nd15.1145Clos. DoorWoodCDETERIORATEDRoom 03White2nd15.1146Clos. Dr. CasingWoodCDETERIORATEDRoom 03White2nd6.9147Clos. BaseboardWoodCDETERIORATEDRoom 03White2nd7148Clos. ShelfWoodCDETERIORATEDRoom 03Grey2nd6.9150BaseboardWoodDDETERIORATEDRoom 03White2nd6.9155Win. Sill-StoolWoodDDETERIORATED< | | | | - | | | | | | Positive |
| 138Door JambWoodDDETERIORATEDRoom 02White2nd14.8139Door Dormer Wn.WoodDDETERIORATEDRoom 02White2nd16.3140Door Dormer Wn.WoodBDETERIORATEDRoom 03White2nd16.3141Door CasingWoodBDETERIORATEDRoom 03White2nd16.6141Door CasingWoodBDETERIORATEDRoom 03White2nd17.5142Door JambWoodBDETERIORATEDRoom 03White2nd16.1143DoorWoodBDETERIORATEDRoom 03White2nd15.1144DoorWoodCDETERIORATEDRoom 03White2nd15.1145Clos. DoorWoodCDETERIORATEDRoom 03White2nd12.8146Clos. Dr. CasingWoodCDETERIORATEDRoom 03White2nd12.8147Clos. BaseboardWoodCDETERIORATEDRoom 03White2nd7148Clos. BracketWoodCDETERIORATEDRoom 03Grey2nd7149Clos. ShelfWoodDDETERIORATEDRoom 03White2nd18.6155Win. Sill-StoolWoodDDETERIORATEDRoom 03White2nd15.7 | | | | - | | | | | | Positive |
| 139Door Dormer Wn.WoodDDETERIORATEDRoom 02White2nd16.3140Door Dormer Wn.WoodBDETERIORATEDRoom 03White2nd16.6141Door CasingWoodBDETERIORATEDRoom 03White2nd17.5142Door JambWoodBDETERIORATEDRoom 03White2nd16.1143DoorWoodBDETERIORATEDRoom 03White2nd16.1144DoorWoodCDETERIORATEDRoom 03White2nd13.7144DoorWoodCDETERIORATEDRoom 03White2nd15.1145Clos. DoorWoodCDETERIORATEDRoom 03White2nd12.8146Clos. Dr. CasingWoodCDETERIORATEDRoom 03White2nd6.9147Clos. BaseboardWoodCDETERIORATEDRoom 03White2nd7148Clos. ShelfWoodCDETERIORATEDRoom 03Grey2nd7149Clos. ShelfWoodDDETERIORATEDRoom 03White2nd6.9150BaseboardWoodDDETERIORATEDRoom 03White2nd18.6155Win. Sill-StoolWoodDDETERIORATEDRoom 03White2nd15.7 | | | | - | 1 | | | | | Positive |
| 140Door Dormer Wn.WoodBDETERIORATEDRoom 03White2nd16.6141Door CasingWoodBDETERIORATEDRoom 03White2nd17.5142Door JambWoodBDETERIORATEDRoom 03White2nd16.1143DoorWoodBDETERIORATEDRoom 03White2nd16.1143DoorWoodCDETERIORATEDRoom 03White2nd13.7144DoorWoodCDETERIORATEDRoom 03White2nd15.1145Clos. DoorWoodCDETERIORATEDRoom 03White2nd12.8146Clos. Dr. CasingWoodCDETERIORATEDRoom 03White2nd6.9147Clos. BaseboardWoodCDETERIORATEDRoom 03White2nd7148Clos. ShelfWoodCDETERIORATEDRoom 03Grey2nd7149Clos. ShelfWoodDDETERIORATEDRoom 03White2nd6.9150BaseboardWoodDDETERIORATEDRoom 03White2nd18.6155Win. Sill-StoolWoodDDETERIORATEDRoom 03White2nd15.7 | | | | - | | | | - | - | Positive |
| 141Door CasingWoodBDETERIORATEDRoom 03White2nd17.5142Door JambWoodBDETERIORATEDRoom 03White2nd16.1143DoorWoodBDETERIORATEDRoom 03White2nd13.7144DoorWoodCDETERIORATEDRoom 03White2nd15.1145Clos. DoorWoodCDETERIORATEDRoom 03White2nd12.8146Clos. Dr. CasingWoodCDETERIORATEDRoom 03White2nd6.9147Clos. BaseboardWoodCDETERIORATEDRoom 03White2nd7148Clos. ShelfWoodCDETERIORATEDRoom 03Grey2nd7149Clos. ShelfWoodDDETERIORATEDRoom 03White2nd6.9150BaseboardWoodDDETERIORATEDRoom 03White2nd18.6155Win. Sill-StoolWoodDDETERIORATEDRoom 03White2nd15.7 | | | | | | | | | | Positive |
| 142Door JambWoodBDETERIORATEDRoom 03White2nd16.1143DoorWoodBDETERIORATEDRoom 03White2nd13.7144DoorWoodCDETERIORATEDRoom 03White2nd15.1145Clos. DoorWoodCDETERIORATEDRoom 03White2nd12.8146Clos. Dr. CasingWoodCDETERIORATEDRoom 03White2nd6.9147Clos. BaseboardWoodCDETERIORATEDRoom 03White2nd6.9148Clos. BracketWoodCDETERIORATEDRoom 03Grey2nd7149Clos. ShelfWoodCDETERIORATEDRoom 03Grey2nd6.9150BaseboardWoodDDETERIORATEDRoom 03White2nd18.6155Win. Sill-StoolWoodDDETERIORATEDRoom 03White2nd15.7 | | | | - | | | | - | | Positive |
| 143DoorWoodBDETERIORATEDRoom 03White2nd13.7144DoorWoodCDETERIORATEDRoom 03White2nd15.1145Clos. DoorWoodCDETERIORATEDRoom 03White2nd12.8146Clos. Dr. CasingWoodCDETERIORATEDRoom 03White2nd6.9147Clos. BaseboardWoodCDETERIORATEDRoom 03White2nd6.9148Clos. BracketWoodCDETERIORATEDRoom 03Grey2nd7149Clos. ShelfWoodCDETERIORATEDRoom 03Grey2nd6.9150BaseboardWoodDDETERIORATEDRoom 03White2nd18.6155Win. Sill-StoolWoodDDETERIORATEDRoom 03White2nd15.7 | - | | | | 1 | | | | | Positive |
| 144DoorWoodCDETERIORATEDRoom 03White2nd15.1145Clos. DoorWoodCDETERIORATEDRoom 03White2nd12.8146Clos. Dr. CasingWoodCDETERIORATEDRoom 03White2nd6.9147Clos. BaseboardWoodCDETERIORATEDRoom 03White2nd6.9148Clos. BracketWoodCDETERIORATEDRoom 03Grey2nd7149Clos. ShelfWoodCDETERIORATEDRoom 03Grey2nd6.9150BaseboardWoodDDETERIORATEDRoom 03White2nd18.6155Win. Sill-StoolWoodDDETERIORATEDRoom 03White2nd15.7 | - | | | | | | | | - | Positive |
| 145Clos. DoorWoodCDETERIORATEDRoom 03White2nd12.8146Clos. Dr. CasingWoodCDETERIORATEDRoom 03White2nd6.9147Clos. BaseboardWoodCDETERIORATEDRoom 03White2nd7148Clos. BracketWoodCDETERIORATEDRoom 03Grey2nd7149Clos. ShelfWoodCDETERIORATEDRoom 03Grey2nd6.9150BaseboardWoodDDETERIORATEDRoom 03White2nd18.6155Win. Sill-StoolWoodDDETERIORATEDRoom 03White2nd15.7 | | | | - | | | | - | - | Positive |
| 146Clos. Dr. CasingWoodCDETERIORATEDRoom 03White2nd6.9147Clos. BaseboardWoodCDETERIORATEDRoom 03White2nd7148Clos. BracketWoodCDETERIORATEDRoom 03Grey2nd7149Clos. ShelfWoodCDETERIORATEDRoom 03Grey2nd6.9150BaseboardWoodDDETERIORATEDRoom 03White2nd18.6155Win. Sill-StoolWoodDDETERIORATEDRoom 03White2nd15.7 | | | | | | | | | | Positive |
| 147Clos. BaseboardWoodCDETERIORATEDRoom 03White2nd7148Clos. BracketWoodCDETERIORATEDRoom 03Grey2nd7149Clos. ShelfWoodCDETERIORATEDRoom 03Grey2nd6.9150BaseboardWoodDDETERIORATEDRoom 03White2nd18.6155Win. Sill-StoolWoodDDETERIORATEDRoom 03White2nd15.7 | | | | - | | | | | | Positive |
| 148Clos. BracketWoodCDETERIORATEDRoom 03Grey2nd7149Clos. ShelfWoodCDETERIORATEDRoom 03Grey2nd6.9150BaseboardWoodDDETERIORATEDRoom 03White2nd18.6155Win. Sill-StoolWoodDDETERIORATEDRoom 03White2nd15.7 | - | | | | | | | | 0.9 | Positive |
| 149Clos. ShelfWoodCDETERIORATEDRoom 03Grey2nd6.9150BaseboardWoodDDETERIORATEDRoom 03White2nd18.6155Win. Sill-StoolWoodDDETERIORATEDRoom 03White2nd15.7 | | | | | | | | | 7 | Positive |
| 150 Baseboard Wood D DETERIORATED Room 03 White 2nd 18.6 155 Win. Sill-Stool Wood D DETERIORATED Room 03 White 2nd 15.7 | | | | - | | | | - | | Positive |
| 155 Win. Sill-Stool Wood D DETERIORATED Room 03 White 2nd 15.7 | | | | - | | | | | | Positive |
| | - | | | | | | | | | Positive |
| 156 Win. Sash Wood D DETERIORATED Room 03 Brown 2nd 22.1 | - | | | | | | | - | 22.1 | Positive |
| | | | | - | | | - | - | | Positive |
| | | U U | | - | 1 | | | | 16.7 17.8 | Positive |

2.4 Dust Wipe Sample Results

Please note: This data is representative of the dust condition determined via dust wipe sample analysis at the time of the risk assessment. Testing data in **bold red** indicates lead levels at or above the EPA Hazardous Levels of Lead regulations that were published on January 5, 2001, as amended, and constitutes a dust-lead hazard in that room. For a full determination of lead hazards, please see Section 2.2.

HUD reporting limits – floors=10 µg/ft², window sills=100µg/ft², window wells/troughs=400 µg/ft²,

| Sample Number | Room Location | Component | Pb Concentration in µg/ft2 | Pass/Fail |
|------------------|------------------|-------------|--------------------------------|-----------|
| 1 | Kitchen | Floor | 340.1 μg/ft² | Fail |
| 2 | Bathroom | Floor | 225.1 μg/ft ² | Fail |
| 3 | Room 1 | Floor | 67.4 μg/ft ² | Fail |
| 4 | Room 2 | Floor | 140.3 µg/ft ² | Fail |
| 5 | Room 3 | Floor | 100.8 μg/ft² | Fail |
| 6 | Kitchen | Window sill | 72900.0 μg/ft ² | Fail |
| 7 | Bathroom | Window sill | 3413.0 μg/ft ² | Fail |
| 8 | Room 1 | Window sill | 60490.0 μg/ft ² | Fail |
| 9 | Room 2 | Window sill | 119300.0 μg/ft ² | Fail |
| 10 | Room 3 | Window sill | 46580.0 μg/ft ² | Fail |

Area wiped in square feet - Floors: 144 in², Window Sills: 36 in², Window Wells/Troughs: 36 in²

WARNING: Dust samples were not taken by every window or in every room. All areas not sampled should be assumed to contain lead dust and should be dusted frequently by occupant, particularly around positive components that are in deteriorated condition.

| 2.5 Soil Sample Results | |
|-------------------------|--|
|-------------------------|--|

Please note: This data is representative of the soil content determined via soil sample analysis at the time of the risk assessment. Testing data in **bold red** indicates soil lead levels at or above the EPA Hazardous Levels of Lead regulations that were published on January 5, 2001, as amended. For a full determination of lead hazards, please see Section 2.2.

HUD reporting limits - Lead in soil is considered a hazard at 1200 ppm or greater or 400 ppm or greater in children's play areas.

| Sample Number | Location Results in mg/Kg | | | | |
|--|---------------------------|--|--|--|--|
| No Soil Sample Taken mg/Kg | | | | | |
| Soil samples were collected from around the dripline/perimeter of the home and/or from various | | | | | |
| other locations. | | | | | |

| 2.6 Additional Lead-based Paint Findings | |
|--|--|
|--|--|

Lead paint in *intact condition* is listed in the charts below. No treatment is required at this time; however, the condition of the positive component(s) should be monitored for signs of deterioration.

| Room/Location | Component (s) | Assumed Positive (check if yes) |
|----------------------|----------------------|---------------------------------------|
| Bathroom C | Sinks | |

2.7 Recommended Corrective Actions

Lead abatement, interim controls, lead-safe work practices and worker/occupant protection practices complying with current EPA, HUD and OSHA standards will be necessary to safely

complete all work involving the disturbance of LBP coated surfaces and components. In addition, any work considered lead hazard control will enlist the use of interim control (temporary) methods and/or abatement (permanent) methods. It should be noted that all lead hazard control activities have the potential of creating additional hazards or hazards that were not present before. Properly trained and certified persons, as well as properly licensed firms (as mandated) should accomplish all abatement/interim control activities conducted at this residence.

Details for the listed lead hazard control options and issues surrounding occupant/worker protection practices can be found in the publication entitled: *Guidelines for the Evaluation and Control of LBP Hazards in Housing* published by HUD, the EPA lead-based paint regulations, and the Occupational Safety and Health Administration (OSHA) regulations found in its Lead in Construction Industry Standard.

Interim controls, as defined by HUD, means a set of measures designed to temporarily reduce human exposure to LBP hazards and/or lead-containing materials. These activities include but are not limited to component and/or substrate stabilization, paint and varnish stabilization, and tilling and placement of appropriate ground cover over bare soil areas.

Abatement, as defined by HUD, means any set of measures designed to permanently eliminate LBP and/or LBP hazards. The product manufacturer and/or contractor must warrant abatement methods to last a minimum of twenty (20) years, or these methods must have a design life of at least twenty (20) years. These activities include, but are not necessarily limited to: the removal of LBP from substrates and components; the replacement of LBP components; the permanent enclosure of LBP with construction materials; the encapsulation of LBP with approved products; and the removal or permanent covering (concrete or asphalt) of soil-lead hazards.

| FOR INTERIOR WINDOW COMPONENTS | (EX: SASH, CASING, SILL, TROUGH, TRIM) |
|---|--|
| Interim Controls | Abatement |
| * Conduct paint stabilization | * Replace components with a lead-free |
| * Eliminate friction areas by: | building component |
| * Repairing component to good working | * Remove all of the paint or coating |
| condition | * Encapsulate the component |
| * Planing the sash | |
| * Installing window channel guides | |
| * Cover window troughs with aluminum | |
| coil stock or flashing to make a smooth and | |
| cleanable surface | |
| * Drill drain holes through bottom of the storm | |
| window frame | |
| * Clean weep holes | |
| * If evidence of child chewing on any of the | |
| window components (i.e. window stool/sill): | |
| * Cover area with vinyl or aluminum | |
| * Move a piece of furniture in front of the | |
| window making the component inaccessible | |

| * Coat with Bitrex paint or block the | | | | | |
|--|---|--|--|--|--|
| window sill | | | | | |
| FOR INTERIOR TRIM (EX: BASEBOARD, CHAIR RAIL, TRIM) | | | | | |
| Interim Controls | Abatement | | | | |
| * Conduct paint stabilization | * Replace components with a lead-free | | | | |
| 1 | building component | | | | |
| | * Remove all of the paint or coating | | | | |
| | * Encapsulate the component | | | | |
| For Interior Floors | | | | | |
| Interim Controls | Abatement | | | | |
| * Stabilize deteriorated paint on the component | * Strip the paint or coating | | | | |
| using lead safe work practices to repair current | * Cover the floor with a smooth and cleanable | | | | |
| paint surface and resurface with lead-free paint | surface (ex: tile, sheet vinyl, carpet) | | | | |
| or other | | | | | |
| FOR INTERIOR WALLS (EX | : WALL, CEILING, CLOSET) | | | | |
| Interim Controls | Abatement | | | | |
| * Conduct paint stabilization | * Replace components with a lead-free | | | | |
| * Cover the component with new siding | building component | | | | |
| * Cover deteriorated walls with wallpaper | * Encapsulate the component | | | | |
| * Install corner guards | * Build an enclosure system with drywall or | | | | |
| * Eliminate impact areas with barriers (ex: | paneling | | | | |
| chair rail, baseboard, corner guard) | | | | | |
| FOR INTERIOR DOOR COMPONENTS (EX: | DOOR, CASING, JAMB, THRESHOLD, TRIM) | | | | |
| Interim Controls | Abatement | | | | |
| * Conduct paint stabilization | * Replace components with a lead-free | | | | |
| * Wrap the component with vinyl or aluminum | building component | | | | |
| * Eliminate friction areas repairing component | * Remove all of the paint or coating | | | | |
| to good working condition | * Encapsulate the component | | | | |
| * Protect impact surfaces with barriers or | * Off-site paint removal which consists of | | | | |
| impact resistant materials | removing paint through chemical or other | | | | |
| * Plane the door or door jamb | means at a facility off-site | | | | |
| * Re-hang the door | | | | | |
| FOR INTERIOR STAIR COMPONENTS (ex: tread, riser, baseboard, stringer, newel post, baluster, spindles, handrail) | | | | | |
| Interim Controls | Abatement | | | | |
| * Conduct paint stabilization | * Replace components with a lead-free | | | | |
| * Eliminate friction areas by repairing | building component | | | | |
| component to good working condition | * Remove all of the paint or coating | | | | |
| * Protect impact surfaces with barriers or | * Encapsulate the component | | | | |
| impact-resistant materials | L L | | | | |
| * Cover the floor/landing/tread/riser with a | | | | | |
| durable material (ex: tread cover, carpet) | | | | | |
| For Interior Miscel | LANEOUS COMPONENTS | | | | |

| Interim Controls | NTS, BATHTUB, SINK, WALL SHELF) Abatement |
|--|--|
| ⁶ Conduct paint stabilization | * Replace tub or sink |
| ⁴ Re-glaze bathtub or sink | * Remove all of the paint or coating |
| [*] Put a liner in the tub | * Encapsulate the component |
| | * Build an enclosure system |
| FOR EXTERIOR MAJOR COMPONENT | |
| Interim Controls | Abatement |
| * Conduct paint stabilization and repaint | * Replace components with a lead-free |
| | building component |
| | * Remove all of the paint or coating |
| | * Enclose the component by covering old |
| | siding with new siding and wrapping the trim |
| | with vinyl or aluminum |
| FOR EXTERIOR WINDOW COMPONENTS | |
| Interim Controls | Abatement |
| * Conduct paint stabilization | * Replace components with a lead-free |
| * Cover the component with vinyl or | building component |
| aluminum | * Remove all of the paint or coating |
| * Eliminate friction area by repairing sash to | * Encapsulate the component |
| good working condition | |
| * Cover window troughs with aluminum coil | |
| stock or flashing to make a smooth and | |
| cleanable surface | |
| FOR EXTERIOR DOOR COMPONENTS (EX: | DOOR, CASING, JAMB, THRESHOLD, TRIM) |
| Interim Controls | Abatement |
| | * Replace components with a lead-free |
| * Conduct paint stabilization | 1 1 |
| * Conduct paint stabilization * Cover the component with vinyl or | building component |
| | |
| * Cover the component with vinyl or | building component |
| * Cover the component with vinyl or aluminum | building component* Remove all of the paint or coating |
| * Cover the component with vinyl or aluminum * Eliminate friction areas by repairing door to | building component* Remove all of the paint or coating* Encapsulate the component |
| * Cover the component with vinyl or aluminum * Eliminate friction areas by repairing door to good working condition * Plane the door or door jamb * Re-hang the door | building component * Remove all of the paint or coating * Encapsulate the component * Off-site paint removal which consists of |
| * Cover the component with vinyl or aluminum * Eliminate friction areas by repairing door to good working condition * Plane the door or door jamb | building component * Remove all of the paint or coating * Encapsulate the component * Off-site paint removal which consists of removing paint through chemical or other |
| * Cover the component with vinyl or aluminum * Eliminate friction areas by repairing door to good working condition * Plane the door or door jamb * Re-hang the door | building component * Remove all of the paint or coating * Encapsulate the component * Off-site paint removal which consists of removing paint through chemical or other |
| * Cover the component with vinyl or aluminum * Eliminate friction areas by repairing door to good working condition * Plane the door or door jamb * Re-hang the door * Clean up all visible paint chips and debris at the conclusion of each work day | building component * Remove all of the paint or coating * Encapsulate the component * Off-site paint removal which consists of removing paint through chemical or other means at a facility off-site RCH COMPONENTS |
| * Cover the component with vinyl or aluminum * Eliminate friction areas by repairing door to good working condition * Plane the door or door jamb * Re-hang the door * Clean up all visible paint chips and debris at the conclusion of each work day FOR EXTERIOR PO (EX: CEILING, FLOOR, TRIM, SUPPORT COLUME) | building component * Remove all of the paint or coating * Encapsulate the component * Off-site paint removal which consists of removing paint through chemical or other means at a facility off-site RCH COMPONENTS IN, RAIL BALUSTER/SPINDLE, SOFFIT/FASCIA, |
| * Cover the component with vinyl or aluminum * Eliminate friction areas by repairing door to good working condition * Plane the door or door jamb * Re-hang the door * Clean up all visible paint chips and debris at the conclusion of each work day FOR EXTERIOR PO (EX: CEILING, FLOOR, TRIM, SUPPORT COLUM LATTICE, TREAD, RISER, BASEBOARD | building component * Remove all of the paint or coating * Encapsulate the component * Off-site paint removal which consists of removing paint through chemical or other means at a facility off-site RCH COMPONENTS IN, RAIL BALUSTER/SPINDLE, SOFFIT/FASCIA, STRINGER, NEWEL POST, HANDRAIL) |
| * Cover the component with vinyl or aluminum * Eliminate friction areas by repairing door to good working condition * Plane the door or door jamb * Re-hang the door * Clean up all visible paint chips and debris at the conclusion of each work day FOR EXTERIOR PO (EX: CEILING, FLOOR, TRIM, SUPPORT COLUM LATTICE, TREAD, RISER, BASEBOARD, Interim Controls | building component * Remove all of the paint or coating * Encapsulate the component * Off-site paint removal which consists of removing paint through chemical or other means at a facility off-site RCH COMPONENTS IN, RAIL BALUSTER/SPINDLE, SOFFIT/FASCIA, STRINGER, NEWEL POST, HANDRAIL) Abatement |
| * Cover the component with vinyl or aluminum * Eliminate friction areas by repairing door to good working condition * Plane the door or door jamb * Re-hang the door * Clean up all visible paint chips and debris at the conclusion of each work day FOR EXTERIOR PO (EX: CEILING, FLOOR, TRIM, SUPPORT COLUM LATTICE, TREAD, RISER, BASEBOARD | building component * Remove all of the paint or coating * Encapsulate the component * Off-site paint removal which consists of removing paint through chemical or other means at a facility off-site RCH COMPONENTS IN, RAIL BALUSTER/SPINDLE, SOFFIT/FASCIA, STRINGER, NEWEL POST, HANDRAIL) |

| component to good working condition | * Encapsulate the component |
|--|---|
| * Protect impact surfaces with barriers or | * Build an enclosure system |
| impact-resistant materials | * Off-site paint removal which consists of |
| * Plane the door or door jamb | removing paint through chemical or other |
| * Re-hang the door | means at a facility off-site |
| * Cover the porch floor and/or steps with a | |
| smooth and cleanable surface | |
| FOR EXTERIOR MISCEL | LANEOUS COMPONENTS |
| (EX: GUTTER SYSTEM, DOWNSPOUT, OVER | HEAD GARAGE DOOR COMPONENT, DECK) |
| Interim Controls | Abatement |
| * Conduct paint stabilization | * Replace components with a lead-free |
| * Cover the component with new siding | building component |
| * Eliminate friction areas by repairing | * Remove all of the paint or coating |
| component to good working condition | * Encapsulate the garage door |
| * Protect impact surfaces with barriers or | * Replace gutters and/or downspouts |
| impact-resistant materials | |
| * Clean out the gutter system | |
| * Restore gutters and downspouts to good | |
| working condition | |
| * Extend downspout away from the house (at | |
| least 5 feet) | |
| * Add a splash block under gutter to move | |
| water away from the house | |
| * Cover the porch floor and/or steps with a | |
| smooth and cleanable surface (ex: tile) | |
| * Clean up all visible paint chips and debris at | |
| the conclusion of each work day | |
| FOR EXTERIOR BARE SOIL AREAS (EX: D | RIPLINE OF HOME, PLAY AREAS, GARDEN) |
| Interim Controls | Abatamant |
| * Do not use identified area of lead- | Abatement |
| * Do not use identified area of lead- | * Permanently cover bare, lead-contaminated |

| Interim Controls | Abatement | | | | | |
|--|--|--|--|--|--|--|
| * Do not use identified area of lead- | * Permanently cover bare, lead-contaminated | | | | | |
| contaminated bare soil for growing vegetables | soil with concrete, asphalt or other permanent | | | | | |
| or feeding animals | materials | | | | | |
| * Move any play areas | * If used around the house, be sure to slope | | | | | |
| * Move pets to an area where there is no bare | the covering away from the foundation | | | | | |
| or contaminated soil | * Remove top 2 inches to 6 inches of the | | | | | |
| * Use temporary covering such as grass, gravel | contaminated topsoil in those areas specified | | | | | |
| or mulch (HUD guidelines suggest 6 inches | by the risk assessor and replace with non- | | | | | |
| minimum) | contaminated topsoil (<400 micrograms/gram) | | | | | |
| * Put a fence around the area with the high soil | or another type of ground cover (ex: grass, | | | | | |
| levels to keep children and pets out | wood chips) | | | | | |
| * Limit traffic on the bare soil by planting | * Do not use any of this soil in another part of | | | | | |
| bushes and ground cover | the yard | | | | | |

The following are general lead hazard control and lead safe work practices guidelines set in place to protect the occupants and the workers involved in treating the affected areas:

LEAD HAZARD CONTROL PRACTICES ACCEPTED BY HUD

- ✓ Use wet methods or limited dry scraping and sanding. Mist surfaces before scraping and sanding. Continue to mist while working. Dry scraping or sanding of very small areas (for example, around light switches or outlets) may be done if flat surfaces below these areas are covered with protective sheeting. These methods should be avoided on areas larger than 10% of component, 2 square feet per room, or 20 square feet on exterior surfaces, and workers must have adequate respiratory protection.
- ✓ Mist before drilling and cutting to reduce dust creation and keep dust from becoming airborne and spreading beyond the work area. Due to it being dangerous to use water with electrical tools consider the use of foam (such as shaving cream) when cutting or drilling to reduce dust generation.
- ✓ Controlled sanding or grinding with HEPA vacuum attachment is required. Because some dust may still blow out around the perimeter, workers near the machine should wear half-mask respirators rated by NIOSH as N100, P100 or R100 (or HEPA) at a minimum. Also, the work area must be completely isolated if the machine is used inside. Because these tools can create high levels of dust and require additional precautions, it is advisable to receive further training, if not already received, before using this method.
- Chemical stripping is acceptable as long as the area is adequately ventilated. Chemical strippers can be dangerous and should be used with great caution. Types of strippers range from citrus-based (safer) to more dangerous caustic strippers. Use of chemical strippers may trigger additional training, notification, and record keeping requirements under the OSHA Hazard Communication Standard. Follow the manufacturer's directions when using any chemical stripper.
- ✓ The use of a heat gun set below 1100° F may be used with caution. It is recommended for small areas only, such as the edge of a door, the top of a window stool, or the friction surface of a window jamb.
- Scoring paint before separating components helps prevent paint from chipping when a paint seal is broken.
- ✓ Prying and pulling apart components and pulling nails instead of pounding create less dust and fewer paint chips. Vise grips may be useful when pulling nails.
- Removal of paint using contained pressure washing and/or contained abrasive blasting within a protective enclosure to prevent the spread of paint chips, dust, and debris may be done. This method requires additional precautions and should only be used by certified lead abatement workers.

Lead hazard control practices prohibited by $\ensuremath{\text{EPA}}$ and $\ensuremath{\text{HUD}}$

- ✓ Open flame burning or torching. Open torches, infrared scorchers, electric irons, and heat guns operating above 1,100° F all may cause the release of lead fumes, which can poison workers. The fallout from the volatilized lead can also be very difficult to clean up. Heat guns operating below 1,100° F are acceptable, although they are recommended only for small areas.
- ✓ Power sanding, grinding or planing without HEPA vacuum attachments.
- ✓ Abrasive blasting or sandblasting without HEPA exhaust equipment.
- ✓ Uncontained hydroblasting or high-pressure washing. Power washing often leaves leaded paint chips and dust on soil and exterior pathways. Hydroblasting should not be used unless all runoff will be contained and filtered.

- ✓ Dry scraping/sanding (except for one square foot of an electrical outlet). Extensive use of dry scraping or sanding generates a significant amount of leaded dust, which is hard to contain. Surfaces should be wetted prior to scraping/sanding so that the dispersal of dust is limited. Of course, some areas, such as surfaces near electrical circuits, should not be wetted.
- ✓ Methylene chloride paint strippers. Methylene chloride can cause liver and kidney damage and carbon monoxide poisoning, and it is suspected to cause cancer. Airpurifying respirators with organic vapor cartridges do not provide adequate protection. (If respirators are required, they must be of the supplied-air or self-contained variety.) If chemical paint removers will be used, they should not contain methylene chloride and should preferably be used off-site.

WASTE MANAGEMENT

✓ All residential waste may go to a Class D or construction landfill in the State of Indiana. Refer to your state requirements if property is located outside of Indiana.

WORKER PROTECTION

- ✓ Job-appropriate respirator with fit testing
- \checkmark Eye protection
- ✓ Clothing protection (Tyvek or other disposable suits)
- ✓ Gloves
- ✓ Shoe covers
- ✓ Disposable hats

OCCUPANT PROTECTION

- ✓ Clean up, HEPA vacuum, wet wash daily before leaving job particularly by windows and other hazard areas, including walkways.
- ✓ Occupants vacate unit when the only bath, kitchen, or sleep area are affected on interim controls, and the work and clean up cannot be completed in eight-hour shifts.
- \checkmark Cover belongings with 6 mil plastic and seal with tape.
- ✓ Always seal off work areas and cover work areas with 6 mil plastic and seal off ductwork during work, particularly HVAC return covers.
- ✓ Abatement requires a written occupant protection plan, state notification, state worker and supervisor licenses.
- ✓ For rental and rehabilitation assistance properties, a hazard communication policy is recommended.

CLEARANCE TESTING

- \checkmark Visual examination with no visible paint chips around interior or exterior of house.
- ✓ Wipe sampling with no visible dust on clearance examination and dust levels must be below the acceptable levels set by EPA in order to pass clearance.
- ✓ Soil testing applies to soils with lead levels above 5,000 ppm.

PRIORITY ATTENTION FOR IMMEDIATE HAZARDS

- ✓ Lead dust is assumed to be present around all positive components in deteriorated condition. It is important to keep these areas clean.
- ✓ Dust levels exceed state & federal guidelines:
 - Kitchen floor
 - Bathroom floor
 - Room 1 floor
 - Room 2 floor

- Room 3 floor
- Kitchen window area
- Bathroom window area
- Room 1 window area
- Room 2 window area
- Room 3 window area
- ✓ NO Soil Samples Taken Risk Assessment limited to upstairs unit only

**If the detached garage will be disturbed, the Renovation, Repair and Painting rules apply to the components that were determined to be lead hazards. Also, the garage will be included in the clearance process. **

NOTICE TO ALL OCCUPANTS AND HOMEOWNERS:

Not all surfaces in the dwelling were tested for lead. If any remodeling is done, painted surfaces should be analyzed before remodeling begins. If the test result of the component reads negative, this does not mean that lead-based paint is not present in that component. It simply means that the component is under the HUD action level of $1.0 \,\mu g/cm^2$; therefore, consult a lead professional before disturbing any painted surface. In addition, if your home is enrolled in a property rehabilitation project, you must contact the project office to determine which areas of your home will be involved in the rehab. Some areas listed on this report may be exempt from that project, particularly outbuildings (i.e. detached garage, barn, shed, etc.) or areas listed as being in "intact" condition.

NOTICE TO ALL CONTRACTORS:

Indiana state laws require that you have a lead abatement contractor's license if you conduct an abatement of lead-based paint. Abatement occurs when the project you conduct is designed to permanently eliminate lead-based paint hazards. Abatement is defined as component replacement, paint removal, encapsulation, or enclosure. See the EPA rules and guidelines on the requirements. If you fail to comply with these, you may be subject to fines of \$25,000 per day per violation and criminal penalties or a Class D Felony and a minimum fine of \$5,000 per day per violation.

If interim control procedures are used instead of abatement procedures in eliminating lead-based paint hazards, a Certified Renovator that has successfully completed an EPA approved 8-hour course on Renovation, Repair and Painting should be employed to complete the lead hazard task(s). If you fail to comply with these rules, you may be subject to civil penalties of up to \$37,500 per day per violation.

3.0 SITE DESCRIPTION

3.1 Narrative

The residence is a single-family, two-story house constructed 1883. It has a non-painted brick foundation. The exterior of the residence has wood siding with wood soffit and trim. The doors are wood. The windows are wood. The owner/tenant of this property is Vacant.

3.2 Building Condition Form

The following is a general representation of the property at the time of the inspection. While efforts were made to provide accurate data, this information should not be considered absolute, and it should be understood that errors may exist. It is supplied only to give an idea of the condition of the home.

| Condition | Yes | No | Unknown |
|---|--------------|--------------|---------|
| Improper use of extension cords | | \checkmark | |
| Gutters and downspouts present and in good shape | ✓ | | |
| Smoke detector present | | \checkmark | |
| Cockroaches or evidence of cockroaches present | | \checkmark | |
| Rodents or evidence of rodents present | | \checkmark | |
| Someone smoking in the unit during inspection | | \checkmark | |
| Handrails present on all areas with more than three steps | √ | | |
| Mold present | ✓ | | |
| Screens present in at least one window in each room | ~ | | |
| Outlet covers present | √ | | |
| Furnace covers present | √ | | |
| Breaker box cover present | \checkmark | | |
| Bathroom has a window that opens or a ventilation fan | ✓ | | |
| | Good | Average | Poor |
| Cleanliness of house | | \checkmark | |

4.0 BACKGROUND INFORMATION AND EDUCATIONAL INFORMATION

4.1 Health Effects of Lead Exposure

Lead is a soft metal, naturally occurring in the Earth's crust. It has been determined, however, that lead has no useful purpose in the human body and acts as a toxin. It takes the place of essential minerals such as calcium, potassium, and iron, which are vital to the construction and repair of bones, organs and blood. Lead exposures have become a major health concern, especially in young children under the age of six.

Children, due to their smaller body mass and higher metabolism, are affected by lead exposures much more severely than adults. They ingest lead through daily hand-to-mouth activities and may develop severe attention deficit disorders, irreversible brain injury, learning disabilities and aggressive behaviors. The symptoms of lead poisoning often mimic other afflictions such as flu, colic or general malaise. It is important to have young children's blood tested for lead burden.

4.2 Sources of Lead Poisoning

Since lead is ingested by routine daily activities such as eating, playing and working, it is important to understand the sources of lead exposures. The most common places to find lead in household settings are interior and exterior paint, and contaminated dust or soil. Lead-based paint is most hazardous when it is chipping, peeling, cracking, or chalking; or applied to friction surfaces of components such as doors, windows, and floors. The abrasive action of painted surfaces rubbing together causes lead-containing paints to be ground into a fine dust. Lead dust can also be created from decaying vinyl mini blinds. Lead dust then settles on furniture, play area floors, and children's toys, where children are exposed during regular activities.

Several other sources of lead in the home include lead dust brought into the home from occupational exposures, water pipes, fixtures, and joints; decorative china, "leaded" crystal, fishing lures and sinkers, firearms ammunition, wine bottles and cosmetics. Some hobbies may also contribute to lead contamination within the home. Exposures to all sources of lead should be minimized or eliminated.

4.3 Methods to Reduce Exposure to Lead Hazards

The simplest and often most effective way to reduce lead exposures is through regular washing of hands, toys, and horizontal surfaces in the home with a liquid hand soap or dish soap and water. It is highly recommended that disposable cleaning materials be used to wash surfaces, so as not to re-contaminate them with a used mop or cloth.

Other ways of reducing lead hazards within the home include taking shoes off before entering living areas, letting water run prior to drinking or cooking, covering exposed soil with plant materials, and vacuuming with a High Efficiency Particulate Air (HEPA) filtered vacuum.

For more information regarding lead poisoning and prevention, contact your local health department or the National Lead Information Center (800-424-LEAD (5323)). Contact the Indiana State Department of Health (866-433-0746) for information regarding lead hazard remediation or selection of qualified lead professionals.

5.0 RE-EVALUATION AND MONITORING SCHEDULE

All painted components require periodic re-evaluation and monitoring. Re-evaluation typically is scheduled on an annual basis, but more frequent re-evaluations may be required depending on site conditions. All painted surfaces must remain in good/intact condition. Painted surfaces that are peeling, cracking, blistering or causing dust from friction or impact must be corrected immediately to prevent hazardous exposure to possible lead-based paint sources. All repairs must follow HUD Guidelines for the interim control and abatement of lead-based paint hazards. The normal re-evaluation schedule for the interim control measures used in this property is twelve months. The dwelling should be re-evaluated between six to twelve months from the date of this Assessment.

6.0 ADDITIONAL RESOURCES

For further information regarding lead-based paint hazards and poisoning prevention, consult the following resources:

CONTACTS

| Greentree Environmental Services, Inc. | 888-584-LEAD (5323) |
|---|-------------------------|
| National Lead Information Center: | 800-424-LEAD (5323) |
| U.S. Department of Housing and Urban Development: | 888-532-3547 (LEADLIST) |
| State of Indiana - Lead and Healthy Homes: | 866-433-0746 |
| State of Illinois - Department of Public Health: | 217-782-4977 |

PUBLICATIONS

"Lead in Your Home: A Parent's Reference Guide" U.S. Environmental Protection Agency "Renovate Right" U.S. Environmental Protection Agency "Lead Paint Safety: A Field Guide for Painting, Home Maintenance, and Renovation Work"

U.S. Department of Housing and Urban Development

WEB SITES:

- Greentree Environmental Services, Inc.
- Indiana State Dept. of Health, Lead and Healthy Homes
- HUD Office of Healthy Homes and Lead Hazard Control
- EPA
- National Safety Council

www.isdh.in.gov www.hud.gov/offices/lead www.epa.gov/lead www.nsc.org/issues/lead

7.0 CERTIFICATION

All inspectors utilized by Greentree Environmental Services, Inc. have EPA/State licensure, and are licensed lead risk assessors who have completed and passed the HUD Lead-based Paint Visual Assessment Training Course. All technicians utilized by Greentree Environmental Services, Inc. have also been trained in the use, calibration, and maintenance of the Heuresis XRF equipment they currently use, along with necessary principles of radiation safety.

"The Federal Residential Lead-based Paint Hazard Reduction Act, 42 USC 4852d, requires sellers and landlords of most residential housing built before 1978 to disclose all available records and reports concerning lead-based paint and/or lead-based paint hazards, including the test results contained in this notice, to purchasers and tenants at the time of sale or lease upon lease renewal. This disclosure must occur even if hazard reduction or abatement has been completed. Failure to disclose these test results is a violation of the US Department of Housing and Urban Development and the US Environmental Protection Agency regulations at 24 CFR Part 35 and 40 CFR Part 745 and can result in a fine of up to \$11,000 per violation. To find out more information about your obligations under federal lead-based paint requirements, call 1-800-424-LEAD or go to the web to www.epa.gov/lead or www.hud.gov/offices/lead/index.com."

By acceptance of this report, the receiver agrees Greentree Environmental Services, Inc. (and by extent the risk assessor, agents and or contractor's liability) is limited to the field sampling date only identified on the front of this report.

The information contained in this report is a true and accurate representation of the lead-based paint conditions at the subject property at the time of the investigation, based on the professional judgment of the person(s) who conducted and reported this lead-based paint inspection and risk assessment:

Ullion C. Cent

William C. Center Indiana Registered Lead Risk Assessor, *IND000368*



- APPENDIX -

8.0 SAMPLING PROCEDURES

8.1 <u>Laboratory</u>

Dust and soil samples were analyzed by SanAir Technologies Laboratory, Inc. located at 1551 Oakbridge Drive, Suite B, Powhatan, VA 23139, phone number 804-897-1177. SanAir Technologies Laboratory, Inc. participates in the Environmental Lead Proficiency Analytical Testing (ELPAT) quality control rounds and is approved by the National Lead Laboratory Accreditation Program (NLLAP).

8.2 <u>Site Sketch Orientation</u>

Perimeter walls are identified as A, B, C, and D. Each room equivalent was oriented so that the "A Wall" corresponds directly with the main entrance wall and/or the main street. Each room equivalent's side identification follows the scheme in a clockwise direction for the whole housing unit. Site sketches designating rooms by expected use (kitchen, bathroom, etc.) and walls by orientation (A through D) are located in Section 9.0.

8.3 <u>Soil Sampling</u>

Soil samples, if deemed appropriate by the Risk Assessor, were collected following HUD guidelines from areas of exposed soil located within the boundaries of the property, such as sandbox, play areas, and foundation drip line. Composite samples from the upper 1/2 inch of soil were collected and analyzed by SanAir Technologies Laboratory, Inc. Results are reported in mg/Kg.

8.4 <u>Dust Wipe Sampling</u>

Dust wipe samples, where deemed appropriate by the Risk Assessor, were collected according to HUD Guidelines, as follows:

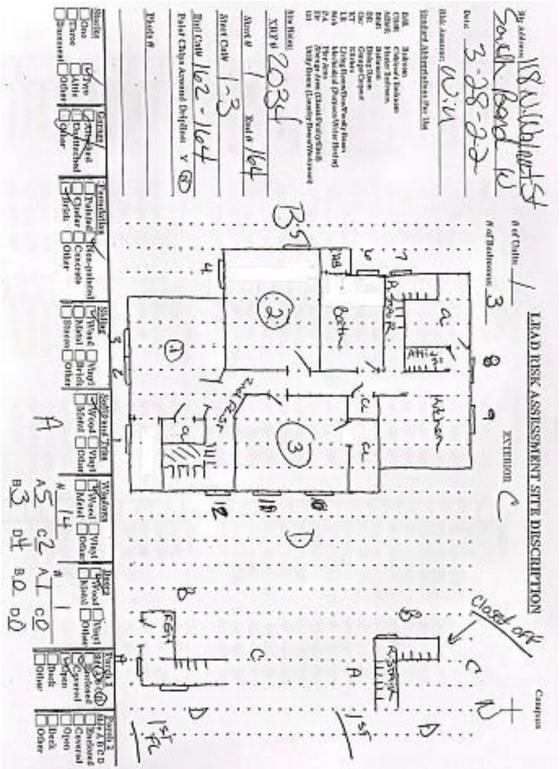
- An area located on the surface to be sampled was measured and marked.
- A single approved sampling wipe (disposable towelette) was opened with a gloved hand and wiped across the sampling area in a series of "S" patterns.
- The wipe was then placed into a container labeled with the site location identification, sample location and size of area sampled.
- Samples were analyzed by SanAir Technologies Laboratory, Inc. The results are reported in $\mu g/ ft^2$.

8.5 <u>XRF Analysis</u>

The instrument used for this Risk Assessment was an X-ray fluorescence unit (XRF) manufactured by Heuresis. The unit was operated according to Performance Characteristic Sheet recommendations. XRF technology utilizes low level radiation to excite atoms within painted surfaces. The XRF unit interprets the gamma radiation rebound to determine whether or not lead is present and if so to what degree. If the unit detects lead at the HUD defined threshold limit of $1.0 \,\mu\text{g/cm}^2$ or more, then a positive reading is reported. For this risk assessment, Heuresis Pb200i #2034 was used.

9.0 FLOOR PLANS

Upstairs Unit



23

10.0 REPRESENTATIVE PICTURES



Side A

Side B





Side C

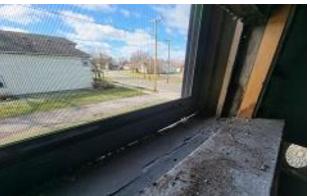
Side D



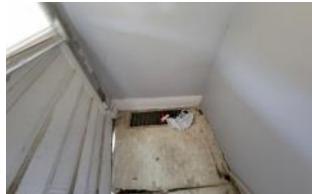
Address



2nd floor exterior window sash ABCD



2nd floor exterior window well and track ABCD



Front entry baseboard



Front entry door and components A and Baseboard



Front entry exterior A door components



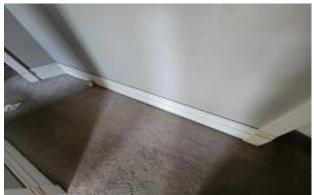
Front entry exterior A window sash



Front entry stair stringers



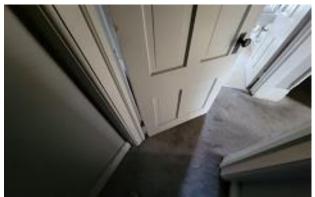
Front entry AD window and components



2nd floor stairway baseboard



2nd floor stairway closet components



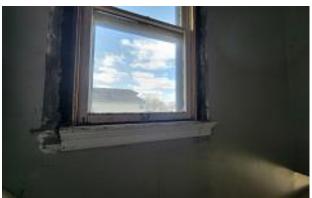
2nd floor stairway closet door and Components



2nd floor stairway door and components including dormer







2nd floor stairway window and components



Room 1 arch casing



Room 1 door and components C



Room 1 door and components and Baseboard



Room 1 window and components



Room 2 door and components



Room 2 window and components and Baseboard



Room 3 door and components, closet Door and components, closet components, Baseboards, and window and components



Room 3 door and components



Attic stairway door and jamb



Bathroom door and components



Bathroom B cabinet in and out including Shelves



Bathroom sinks (intact)



Kitchen closet brackets



Kitchen closet components



Kitchen closet door and components



Kitchen A door components





Kitchen AB door and components

Kitchen B trim (in closet)



Kitchen C window and components



Rear stairway baseboard



Rear stairway stringer and door Components C



Rear stairway trim AC and stair stringer



Rear stairway window and components and baseboard

11.0 LABORATORY RESULTS

11.1 Soil Sample Analysis

No Soil Sample Taken

11.2 Dust Wipe Sample Analysis



Name: Greentree Environmental Services, Inc Address: PO Box 2297 Portage, IN 46368 Phone: 219-764-2828 SanAir ID Number 22015671 FINAL REPORT 4/1/2022 9:50:59 AM

Project Number: P.O. Number: Project Name: 118 N. Walnut St South Bend IN Collected Date: 3/28/2022 Received Date: 3/31/2022 10:15:00 AM

Analyst: Baird, Marti

Test Method: SW846/M3050B/7000B

| Lead Wipe Analysis | | | | | | | | | |
|--------------------|-----------------------|-----------|-------|---------|------------|----------|--------|--|--|
| | | µg Pb | | | Calculated | Sample | | | |
| Sample | Description | In Sample | Area | Units | RL | Results | Units | | |
| 22015671 - 1 | 1 / Kltchen F | 340 | 1.000 | Sq. Ft. | 10 | 340.1 | µg/ft2 | | |
| 22015671 - 2 | 2 / Bath F | 225 | 1.000 | Sq. Ft. | 10 | 225.1 | µg/ft2 | | |
| 22015671 - 3 | 3 / Rm 1 F | 67 | 1.000 | Sq. Ft. | 10 | 67.4 | µg/ft2 | | |
| 22015671 - 4 | 4 / Rm 2 F | 140 | 1.000 | Sq. Ft. | 10 | 140.3 | µg/ft2 | | |
| 22015671 - 5 | 5 / Rm 3 F | 101 | 1.000 | Sq. Ft. | 10 | 100.8 | µg/ft2 | | |
| 22015671 - 6 | 6 / Kltchen WS | 18230 | 0.25 | Sq. Ft. | 40 | 72900.0 | µg/ft2 | | |
| 22015671 - 7 | 7 / Bath WS | 853 | 0.25 | Sq. Ft. | 40 | 3413.0 | µg/ft2 | | |
| 22015671 - 8 | 8 / Rm 1 WS | 15120 | 0.25 | Sq. Ft. | 40 | 60490.0 | µg/ft2 | | |
| 22015671 - 9 | 9 / Rm 2 WS | 29810 | 0.25 | Sq. Ft. | 40 | 119300.0 | µg/ft2 | | |
| 22015671 - 10 | 10 / Rm 3 WS | 11650 | 0.25 | Sq. Ft. | 40 | 46580.0 | µg/ft2 | | |
| Method Reporti | ng Limit < 10 µg/wipe | | | | | | | | |

Signature: Date: 3/31/2022

Asicalaberli Reviewed: 4/1/2022 Date:

Chain of Custody 11.3

Form 70, Revision 4, 5/2/2013

| SanAir Technologies Laboratory 1551 Oakbridge Drive, Seite B - Powhataa, VA 2313 864-897-1177 / 888-895-1177 / Fax 804-897-0070 www.sanair.com | 19 | Metals & Lead Chain of Custody | SanAir 10 Number. 220 567 |
|--|---------------|-----------------------------------|------------------------------|
| Commun; Greentree Environmental Servic | es, inc | Project #; | Phone #: 219-764-2828 |
| Address. PO Box 2297 | | Schutz St. | Phone 4; |
| City, St., Zig: Portage, IN 46368 | Date Collecte | # 3-28-22 | Fax 8: 219-762-2828 |
| Samples Collected By: William Cente | P.O. Number: | | Emoil: greentree@gmtree.net |

Matrix Types

Metals Analysis Types

| 🗆 Air | C Aqueous Bulk | Total Concentration of Lead | ICP-total concentration of metals |
|-----------|---|-----------------------------|-----------------------------------|
| D Paint | Sludge Soil DTotal Concentration of RCRA 8 Metals | | (please list metals): |
| Dust | BWipe D Potable Water | DTCLP for Lead | |
| O Non-Pot | table Water 🛛 Wastewater | ETCLP for RCRA 8 Metals | C Other: |
| D Other: | | DTCLP Full (w/ Organics) | |

| *Turn Around | Same Day 🗆 | i Day 🗮 | 2 days 🗆 | 3 Days 🗆 |
|--------------|------------------|-----------------|----------|----------|
| Times ` | Standard (5 day) | Full TCLP (10d) | | |

*Courier charge for same day and 1 day TAT for offsite work.

| Sample # | Sample Identification/Location | Flow Rate | Start Time | Stop Time | Volume (L) or Area (Sq ft) |
|----------|--------------------------------|--------------|---------------|--------------|-------------------------------|
|) | Kritchen F | | | | 12×12 |
| 2 | Bath. F | | | | 12+12 |
| 3 | Bm' F | | | | 12+12 |
| 4 | Rm2. F | | | | 12+12 |
| 5 | Rm3 F | | | | 12×12 |
| 6 | Kitchen WS | | | | 2+18 |
| 7 | Both WS | | | | 2×18 |
| 8 | Rm1 WS | | | | 2+18 |
| 9 | Bm2 us | | | | 2+18 |
| 60 | Rm3 WS | | | | 2118 |
| | | | | - | |
| | | | | | |

Special Instructions

| ate | Time |
|-------|------------|
| 31/22 | 10:15 A.M. |
| Ē | 31/22 |

Unless scheduled, the turn around time for all samples received after 3 pra will begin at 8 am the next business morning. Weekend or Holiday work must be scheduled ahead of time and is charged for rush turn around time. Work with standard turn promid time sent Priority Orewight and Billed To Recipient will be charged a \$10 shipping fre.

Page | of |

Vacant 118 N Walnut Street South Bend, IN 46628

| | | _ | | | | | | Condition | | _ | | | | - |
|----------|----------|------------|----------|--------|------------------------------|-----------|--------|------------------------------|-------|-----------------------|-------|------------|-------------|----------|
| # | Time | Туре | Duration | Units | Component | Substrate | Side | of Paint | Color | Room | Floor | Int/Ext | PbC | Result |
| 1 | 10:58:43 | Lead Paint | 5 | mg/cm2 | CALIBRATE | | | | Green | | | | 1 | Positive |
| 2 | 10:59:03 | Lead Paint | 5 | mg/cm2 | CALIBRATE | 14/ | | | Green | F (F) | | F . | 1.1 | Positive |
| 3 | 11:02:05 | Lead Paint | 2 | mg/cm2 | Door | Wood | A | DETERIORATED | Brown | Entry Front | 1st | Ext | 0.2 | Negative |
| 4 | 11:02:19 | Lead Paint | 2 | mg/cm2 | Door Casing | Wood | A | DETERIORATED | Brown | Entry Front | 1st | Ext | 25.2 | Positive |
| 5 | 11:02:31 | Lead Paint | 2 | mg/cm2 | Door Jamb | Wood | A | DETERIORATED | Brown | Entry Front | 1st | Ext | 29.3 | Positive |
| 6 | 11:02:45 | Lead Paint | 2 | mg/cm2 | Door Threshold | Wood | A | DETERIORATED | Brown | Entry Front | 1st | Ext Ext | 2.8 | Positive |
| | 11:03:19 | Lead Paint | | mg/cm2 | Win. Sash | Wood | A | DETERIORATED | Brown | Entry Front | 1st | | 6.3 15.5 | Positive |
| 8 | 11:03:51 | Lead Paint | 2 | mg/cm2 | Win. Sash | Wood | A | DETERIORATED | White | Entry Front | 1st | Int | | Positive |
| 9 | 11:04:24 | Lead Paint | 2 | mg/cm2 | Win. Sill-Stool | Wood | A | DETERIORATED | White | Entry Front | 1st | Int | 14.9 | Positive |
| 10 | 11:04:41 | Lead Paint | | mg/cm2 | Win. Casing | Wood | A | DETERIORATED | White | Entry Front | 1st | Int | 15 | Positive |
| 11 | 11:04:55 | Lead Paint | 2 | mg/cm2 | Win. Casing | Wood | A | DETERIORATED | White | Entry Front | 1st | Int | 15 | Positive |
| 12 | 11:05:25 | Lead Paint | 2 | mg/cm2 | Door Jamb | Wood | A | DETERIORATED | White | Entry Front | 1st | Int | 14.5 | Positive |
| 13 | 11:05:40 | Lead Paint | 2 | mg/cm2 | Door Casing | Wood | A | DETERIORATED | White | Entry Front | 1st | Int | 14.5 | Positive |
| 14 | 11:05:58 | Lead Paint | 2 | mg/cm2 | Door | Wood | A | DETERIORATED | White | Entry Front | 1st | Int | 12.5 | Positive |
| 15 | 11:06:15 | Lead Paint | 2 | mg/cm2 | Baseboard | Wood | В | DETERIORATED | White | Entry Front | 1st | Int | 14 | Positive |
| 16 | 11:06:33 | Lead Paint | 2 | mg/cm2 | Newel Post | Wood | С | DETERIORATED | White | Entry Front | 1st | Int | 0.1 | Negative |
| 17 | 11:06:56 | Lead Paint | 2 | mg/cm2 | Stair Stringer | Wood | D | DETERIORATED | White | Entry Front | 1st | Int | 10.3 | Positive |
| 18 | 11:08:00 | Lead Paint | 2 | mg/cm2 | Wall | Plaster | D | DETERIORATED | Grey | Entry Front | 1st | Int | 0.2 | Negative |
| 19 20 | 11:08:19 | Lead Paint | 2 | mg/cm2 | Ceiling Stair Wall | Plaster | в | DETERIORATED DETERIORATED | Grey | Entry Front | 1st | Int | 0.1 | Negative |
| | 11:08:39 | Lead Paint | 2 | mg/cm2 | Stair Wall | Plaster | С | - | Grey | Entry Front | 1st | Int | 0.1 | Negative |
| 21 | 11:09:28 | Lead Paint | 2 | mg/cm2 | Stair Wall | Plaster | C | DETERIORATED | Grey | 2nd Fl. Stair | 2nd | Int | 0 | Negative |
| 22 | 11:09:45 | Lead Paint | 2 | mg/cm2 | Ceiling | Plaster | D | DETERIORATED | Grey | 2nd Fl. Stair | 2nd | Int | 0 | Negative |
| 23 | 11:10:09 | Lead Paint | 2 | mg/cm2 | Win. Casing | Wood | D | DETERIORATED | White | 2nd Fl. Stair | 2nd | Int | 11.6 | Positive |
| 24 | 11:10:23 | Lead Paint | | mg/cm2 | Win. Sash | Wood | | DETERIORATED | White | 2nd Fl. Stair | 2nd | Int | 9.8 | Positive |
| 25 | 11:10:38 | Lead Paint | 2 | mg/cm2 | Win. Sill-Stool Win. Sash | Wood | D | DETERIORATED | White | 2nd Fl. Stair | 2nd | Int | 10.9 9.5 | Positive |
| 26 | 11:11:02 | Lead Paint | 2 | mg/cm2 | | Wood | - | DETERIORATED | Brown | 2nd Fl. Stair | 2nd | Ext | | Positive |
| 27 | 11:11:25 | Lead Paint | 2 | mg/cm2 | Win. Well-Trough | Wood | D | DETERIORATED | Brown | 2nd Fl. Stair | 2nd | Ext | 11.4 | Positive |
| 28 | 11:11:39 | Lead Paint | 2 | mg/cm2 | Win. Track | Wood | D | DETERIORATED | Brown | 2nd Fl. Stair | 2nd | Ext | 10.3 | Positive |
| 29 | 11:12:29 | Lead Paint | 2 | mg/cm2 | Stair Stringer | Wood | C B | DETERIORATED | White | 2nd Fl. Stair | 2nd | Int | 8.3 | Positive |
| 30 | 11:12:48 | Lead Paint | 2 | mg/cm2 | Baseboard | Wood | - | DETERIORATED | White | 2nd Fl. Stair | 2nd | Int | 13.6 | Positive |
| 31 | 11:13:03 | Lead Paint | 2 | mg/cm2 | Door | Wood | В | DETERIORATED | White | 2nd Fl. Stair | 2nd | Int | 12.8 | Positive |
| 32 | 11:13:16 | Lead Paint | 2 | mg/cm2 | Door Jamb | Wood | B | DETERIORATED | White | 2nd Fl. Stair | 2nd | Int | 21.4 | Positive |
| 33 | 11:13:29 | Lead Paint | 2 | mg/cm2 | Door Casing | Wood | B | DETERIORATED | White | 2nd Fl. Stair | 2nd | Int | 15.5 | Positive |
| 34 | 11:13:47 | Lead Paint | 2 | mg/cm2 | Door Dormer Wn. | Wood | В | DETERIORATED | White | 2nd Fl. Stair | 2nd | Int | 16.3 | Positive |
| 35 | 11:14:33 | Lead Paint | 2 | mg/cm2 | Clos. Door | Wood | D | DETERIORATED | White | 2nd Fl. Stair | 2nd | Int | 12.6 | Positive |
| 36 | 11:14:45 | Lead Paint | 2 | mg/cm2 | Clos. Dr. Jamb | Wood | D | DETERIORATED | White | 2nd Fl. Stair | 2nd | Int | 9.9 | Positive |
| 37 | 11:14:59 | Lead Paint | 2 | mg/cm2 | Clos. Baseboard | Wood | D | DETERIORATED | White | 2nd Fl. Stair | 2nd | Int | 5.1 | Positive |
| 38 | 11:15:16 | Lead Paint | 2 | mg/cm2 | Clos. Bracket | Wood | D | DETERIORATED | Grey | 2nd Fl. Stair | 2nd | Int | 6.3 | Positive |

| # | Time | Туре | Duration | Units | Component | Substrate | Side | Condition of Paint | Color | Room | Floor | Int/Ext | PbC | Result |
|----|----------|------------|----------|--------|------------------|----------------|------|-----------------------|-------|---------------|-------|---------|------|----------|
| 39 | 11:15:36 | Lead Paint | 2 | mg/cm2 | Clos. Shelf | Wood | D | DETERIORATED | Grey | 2nd Fl. Stair | 2nd | Int | 5.8 | Positive |
| 40 | 11:16:15 | Lead Paint | 2 | mg/cm2 | Clos. Wall | Plaster | D | DETERIORATED | Grey | 2nd Fl. Stair | 2nd | Int | 0.1 | Negative |
| 41 | 11:16:48 | Lead Paint | 2 | mg/cm2 | Wall | Plaster | В | DETERIORATED | Grey | 2nd Fl. Stair | 2nd | Int | 0.1 | Negative |
| 42 | 11:24:52 | Lead Paint | 2 | mg/cm2 | Wall | Plaster | С | DETERIORATED | White | Bathroom | 2nd | Int | 0.1 | Negative |
| 43 | 11:25:16 | Lead Paint | 2 | mg/cm2 | Ceiling | Plaster | С | DETERIORATED | White | Bathroom | 2nd | Int | 0.1 | Negative |
| 44 | 11:25:44 | Lead Paint | 2 | mg/cm2 | Bathtub | Glazed Metal | А | INTACT | White | Bathroom | 2nd | Int | 0.5 | Negative |
| 45 | 11:26:04 | Lead Paint | 2 | mg/cm2 | Sink out | Glazed Ceramic | С | INTACT | White | Bathroom | 2nd | Int | 2.9 | Positive |
| 46 | 11:26:50 | Lead Paint | 2 | mg/cm2 | Cabinet Out | Wood | В | DETERIORATED | White | Bathroom | 2nd | Int | 10.1 | Positive |
| 47 | 11:27:08 | Lead Paint | 2 | mg/cm2 | Cabinet Shelf | Wood | В | DETERIORATED | White | Bathroom | 2nd | Int | 8.8 | Positive |
| 48 | 11:27:23 | Lead Paint | 2 | mg/cm2 | Cabinet In | Wood | В | DETERIORATED | White | Bathroom | 2nd | Int | 8.3 | Positive |
| 49 | 11:27:39 | Lead Paint | 2 | mg/cm2 | Cabinet Door | Wood | В | DETERIORATED | White | Bathroom | 2nd | Int | 0.3 | Negative |
| 50 | 11:27:58 | Lead Paint | 2 | mg/cm2 | Cabinet Door | Wood | В | DETERIORATED | White | Bathroom | 2nd | Int | 0.5 | Negative |
| 51 | 11:28:11 | Lead Paint | 2 | mg/cm2 | Cabinet Door | Wood | D | DETERIORATED | White | Bathroom | 2nd | Int | 0.5 | Negative |
| 52 | 11:28:27 | Lead Paint | 2 | mg/cm2 | Cabinet Out | Wood | D | DETERIORATED | White | Bathroom | 2nd | Int | 0.2 | Negative |
| 53 | 11:28:42 | Lead Paint | 2 | mg/cm2 | Cabinet Shelf | Wood | D | DETERIORATED | White | Bathroom | 2nd | Int | 0.1 | Negative |
| 54 | 11:30:18 | Lead Paint | 2 | mg/cm2 | Win. Casing | Wood | В | DETERIORATED | White | Bathroom | 2nd | Int | 0 | Negative |
| 55 | 11:30:31 | Lead Paint | 2 | mg/cm2 | Win. Sill-Stool | Wood | В | DETERIORATED | White | Bathroom | 2nd | Int | 0.1 | Negative |
| 56 | 11:30:44 | Lead Paint | 2 | mg/cm2 | Win. Sash | Wood | В | DETERIORATED | White | Bathroom | 2nd | Int | 0 | Negative |
| 57 | 11:31:05 | Lead Paint | 2 | mg/cm2 | Win. Well-Trough | Wood | В | DETERIORATED | Brown | Bathroom | 2nd | Ext | 5.7 | Positive |
| 58 | 11:31:20 | Lead Paint | 2 | mg/cm2 | Win. Track | Wood | В | DETERIORATED | Brown | Bathroom | 2nd | Ext | 31 | Positive |
| 59 | 11:31:36 | Lead Paint | 2 | mg/cm2 | Win. Sash | Wood | В | DETERIORATED | Brown | Bathroom | 2nd | Ext | 14 | Positive |
| 60 | 11:32:05 | Lead Paint | 2 | mg/cm2 | Door | Wood | D | DETERIORATED | White | Bathroom | 2nd | Int | 9.8 | Positive |
| 61 | 11:32:18 | Lead Paint | 2 | mg/cm2 | Door Casing | Wood | D | DETERIORATED | White | Bathroom | 2nd | Int | 0.2 | Negative |
| 62 | 11:32:31 | Lead Paint | 2 | mg/cm2 | Door Jamb | Wood | D | DETERIORATED | White | Bathroom | 2nd | Int | 11.4 | Positive |
| 63 | 11:32:53 | Lead Paint | 2 | mg/cm2 | Door Dormer Wn. | Wood | D | DETERIORATED | White | Bathroom | 2nd | Int | 11.3 | Positive |
| 64 | 11:36:55 | Lead Paint | 2 | mg/cm2 | Win. Sill-Stool | Wood | В | DETERIORATED | White | Stair Rear | 2nd | Int | 17.2 | Positive |
| 65 | 11:37:08 | Lead Paint | 2 | mg/cm2 | Win. Sash | Wood | В | DETERIORATED | White | Stair Rear | 2nd | Int | 17.3 | Positive |
| 66 | 11:37:22 | Lead Paint | 2 | mg/cm2 | Win. Casing | Wood | В | DETERIORATED | White | Stair Rear | 2nd | Int | 15 | Positive |
| 67 | 11:37:42 | Lead Paint | 2 | mg/cm2 | Win. Sash | Wood | В | DETERIORATED | Brown | Stair Rear | 2nd | Ext | 15.3 | Positive |
| 68 | 11:37:55 | Lead Paint | 2 | mg/cm2 | Win. Well-Trough | Wood | В | DETERIORATED | Brown | Stair Rear | 2nd | Ext | 15.9 | Positive |
| 69 | 11:38:08 | Lead Paint | 2 | mg/cm2 | Win. Track | Wood | В | DETERIORATED | Brown | Stair Rear | 2nd | Ext | 14.8 | Positive |
| 70 | 11:38:35 | Lead Paint | 2 | mg/cm2 | Trim | Wood | С | DETERIORATED | White | Stair Rear | 2nd | Int | 11.7 | Positive |
| 71 | 11:38:56 | Lead Paint | 2 | mg/cm2 | Stair Stringer | Wood | С | DETERIORATED | White | Stair Rear | 2nd | Int | 20 | Positive |
| 72 | 11:39:16 | Lead Paint | 2 | mg/cm2 | Baseboard | Wood | А | DETERIORATED | White | Stair Rear | 2nd | Int | 17 | Positive |
| 73 | 11:39:58 | Lead Paint | 2 | mg/cm2 | Pipe | Metal | А | DETERIORATED | Grey | Stair Rear | 2nd | Int | 0.5 | Negative |
| 74 | 11:42:07 | Lead Paint | 2 | mg/cm2 | Door Casing | Wood | С | DETERIORATED | White | Stair Rear | 1st | Int | 19.3 | Positive |
| 75 | 11:42:23 | Lead Paint | 2 | mg/cm2 | Stair Stringer | Wood | D | DETERIORATED | White | Stair Rear | 1st | Int | 18.4 | Positive |
| 76 | 11:42:43 | Lead Paint | 2 | mg/cm2 | Stair Wall | Plaster | D | DETERIORATED | Grey | Stair Rear | 1st | Int | 0.1 | Negative |
| 77 | 11:43:03 | Lead Paint | 2 | mg/cm2 | Stair Wall | Plaster | А | DETERIORATED | Grey | Stair Rear | 2nd | Int | 0 | Negative |
| 78 | 11:43:20 | Lead Paint | 2 | mg/cm2 | Ceiling | Plaster | | DETERIORATED | Grey | Stair Rear | 2nd | Int | 0 | Negative |
| 79 | 11:43:54 | Lead Paint | 2 | mg/cm2 | Trim | Wood | С | DETERIORATED | White | 2nd Fl. Stair | 2nd | Int | 16.7 | Positive |
| 80 | 11:46:49 | Lead Paint | 2 | mg/cm2 | Wall | Plaster | С | DETERIORATED | White | Kitchen | 2nd | Int | 0 | Negative |
| 81 | 11:47:06 | Lead Paint | 2 | mg/cm2 | Ceiling | Plaster | | DETERIORATED | White | Kitchen | 2nd | Int | 0.5 | Negative |
| 82 | 11:47:26 | Lead Paint | 2 | mg/cm2 | Door | Wood | А | DETERIORATED | White | Kitchen | 2nd | Int | 6.5 | Positive |
| 83 | 11:47:38 | Lead Paint | 2 | mg/cm2 | Door Casing | Wood | А | DETERIORATED | White | Kitchen | 2nd | Int | 6.6 | Positive |
| 84 | 11:47:52 | Lead Paint | 2 | mg/cm2 | Door Jamb | Wood | А | DETERIORATED | White | Kitchen | 2nd | Int | 7 | Positive |
| 85 | 11:48:06 | Lead Paint | 2 | mg/cm2 | Door Jamb | Wood | В | DETERIORATED | White | Kitchen | 2nd | Int | 6.9 | Positive |

| # | Time | Туре | Duration | Units | Component | Substrate | Side | Condition of Paint | Color | Room | Floor | Int/Ext | PbC | Result |
|-----|----------|------------|----------|--------|------------------|-----------|------|-----------------------|-------|-------------|-------|---------|------|----------|
| 86 | 11:48:24 | Lead Paint | 2 | mg/cm2 | Win. Casing | Wood | С | DETERIORATED | White | Kitchen | 2nd | Int | 6.5 | Positive |
| 87 | 11:48:36 | Lead Paint | 2 | mg/cm2 | Win. Sill-Stool | Wood | С | DETERIORATED | White | Kitchen | 2nd | Int | 5.5 | Positive |
| 88 | 11:48:49 | Lead Paint | 2 | mg/cm2 | Win. Sash | Wood | С | DETERIORATED | White | Kitchen | 2nd | Int | 5.4 | Positive |
| 89 | 11:49:51 | Lead Paint | 2 | mg/cm2 | Trim | Wood | А | DETERIORATED | White | Kitchen | 2nd | Int | 10.4 | Positive |
| 90 | 11:50:07 | Lead Paint | 2 | mg/cm2 | Baseboard | Wood | В | DETERIORATED | White | Kitchen | 2nd | Int | 8.9 | Positive |
| 91 | 11:50:51 | Lead Paint | 2 | mg/cm2 | Win. Well-Trough | Wood | С | DETERIORATED | Brown | Kitchen | 2nd | Ext | 2 | Positive |
| 92 | 11:51:17 | Lead Paint | 2 | mg/cm2 | Win. Track | Wood | С | DETERIORATED | Brown | Kitchen | 2nd | Ext | 21.6 | Positive |
| 93 | 11:51:37 | Lead Paint | 2 | mg/cm2 | Win. Sash | Wood | С | DETERIORATED | Brown | Kitchen | 2nd | Ext | 15.8 | Positive |
| 94 | 11:52:05 | Lead Paint | 2 | mg/cm2 | Clos. Door | Wood | В | DETERIORATED | White | Kitchen | 2nd | Int | 9.4 | Positive |
| 95 | 11:52:18 | Lead Paint | 2 | mg/cm2 | Clos. Dr. Casing | Wood | В | DETERIORATED | White | Kitchen | 2nd | Int | 7.6 | Positive |
| 96 | 11:52:30 | Lead Paint | 2 | mg/cm2 | Clos. Bracket | Wood | В | DETERIORATED | White | Kitchen | 2nd | Int | 8.7 | Positive |
| 97 | 11:52:45 | Lead Paint | 2 | mg/cm2 | Clos. Baseboard | Wood | В | DETERIORATED | White | Kitchen | 2nd | Int | 9.1 | Positive |
| 98 | 11:53:08 | Lead Paint | 2 | mg/cm2 | Clos. Shelf | Wood | В | DETERIORATED | White | Kitchen | 2nd | Int | 8 | Positive |
| 99 | 11:56:17 | Lead Paint | 2 | mg/cm2 | Stair Tread | Wood | | DETERIORATED | Grey | Attic Stair | 2nd | Int | 0 | Negative |
| 100 | 11:56:32 | Lead Paint | 2 | mg/cm2 | Stair Riser | Wood | | DETERIORATED | Grey | Attic Stair | 2nd | Int | 0 | Negative |
| 101 | 11:56:46 | Lead Paint | 2 | mg/cm2 | Stair Stringer | Wood | | DETERIORATED | Grey | Attic Stair | 2nd | Int | 0 | Negative |
| 102 | 11:57:03 | Lead Paint | 2 | mg/cm2 | Door Jamb | Wood | С | DETERIORATED | Grey | Attic Stair | 2nd | Int | 4.5 | Positive |
| 103 | 11:57:18 | Lead Paint | 2 | mg/cm2 | Door | Wood | С | DETERIORATED | Grey | Attic Stair | 2nd | Int | 4.2 | Positive |
| 104 | 11:57:49 | Lead Paint | 2 | mg/cm2 | Ceiling | Plaster | | DETERIORATED | Grey | Attic Stair | 2nd | Int | 0 | Negative |
| 105 | 11:58:09 | Lead Paint | 2 | mg/cm2 | Stair Wall | Plaster | D | DETERIORATED | Grey | Attic Stair | 2nd | Int | 0 | Negative |
| 106 | 11:59:41 | Lead Paint | 2 | mg/cm2 | Win. Sash | Wood | D | DETERIORATED | Brown | Attic | Attic | Int | 0.7 | Negative |
| 107 | 12:01:45 | Lead Paint | 2 | mg/cm2 | Win. Sash | Wood | А | DETERIORATED | White | Room 01 | 2nd | Int | 13 | Positive |
| 108 | 12:02:00 | Lead Paint | 2 | mg/cm2 | Win. Sill-Stool | Wood | А | DETERIORATED | White | Room 01 | 2nd | Int | 12.1 | Positive |
| 109 | 12:02:13 | Lead Paint | 2 | mg/cm2 | Win. Casing | Wood | А | DETERIORATED | White | Room 01 | 2nd | Int | 13.5 | Positive |
| 110 | 12:02:39 | Lead Paint | 2 | mg/cm2 | Baseboard | Wood | А | DETERIORATED | White | Room 01 | 2nd | Int | 11.3 | Positive |
| 111 | 12:04:26 | Lead Paint | 2 | mg/cm2 | Door | Wood | С | DETERIORATED | White | Room 01 | 2nd | Int | 15 | Positive |
| 112 | 12:04:39 | Lead Paint | 2 | mg/cm2 | Door Casing | Wood | С | DETERIORATED | White | Room 01 | 2nd | Int | 16.2 | Positive |
| 113 | 12:04:52 | Lead Paint | 2 | mg/cm2 | Door Jamb | Wood | С | DETERIORATED | White | Room 01 | 2nd | Int | 17.7 | Positive |
| 114 | 12:05:17 | Lead Paint | 2 | mg/cm2 | Door Dormer Wn. | Wood | С | DETERIORATED | White | Room 01 | 2nd | Int | 15.2 | Positive |
| 115 | 12:05:35 | Lead Paint | 2 | mg/cm2 | Clos. Door | Wood | D | DETERIORATED | White | Room 01 | 2nd | Int | 10.2 | Positive |
| 116 | 12:05:49 | Lead Paint | 3 | mg/cm2 | Clos. Dr. Jamb | Wood | D | DETERIORATED | White | Room 01 | 2nd | Int | 12.4 | Positive |
| 117 | 12:06:13 | Lead Paint | 2 | mg/cm2 | Clos. Baseboard | Wood | D | DETERIORATED | White | Room 01 | 2nd | Int | 9.2 | Positive |
| 118 | 12:06:30 | Lead Paint | 2 | mg/cm2 | Clos. Bracket | Wood | D | DETERIORATED | Grey | Room 01 | 2nd | Int | 11.1 | Positive |
| 119 | 12:06:45 | Lead Paint | 2 | mg/cm2 | Clos. Shelf | Wood | D | DETERIORATED | Grey | Room 01 | 2nd | Int | 6.5 | Positive |
| 120 | 12:07:07 | Lead Paint | 2 | mg/cm2 | Clos. Wall | Plaster | D | DETERIORATED | Grey | Room 01 | 2nd | Int | 0.3 | Negative |
| 121 | 12:08:08 | Lead Paint | 2 | mg/cm2 | Arch Casing | Wood | D | DETERIORATED | White | Room 01 | 2nd | Int | 12.4 | Positive |
| 122 | 12:12:05 | Lead Paint | 2 | mg/cm2 | Win. Well-Trough | Wood | Α | DETERIORATED | Brown | Room 01 | 2nd | Ext | 2.5 | Positive |
| 123 | 12:12:19 | Lead Paint | 2 | mg/cm2 | Win. Track | Wood | Α | DETERIORATED | Brown | Room 01 | 2nd | Ext | 25.3 | Positive |
| 124 | 12:12:33 | Lead Paint | 2 | mg/cm2 | Win. Sash | Wood | Α | DETERIORATED | Brown | Room 01 | 2nd | Ext | 19 | Positive |
| 125 | 12:12:48 | Lead Paint | 2 | mg/cm2 | Win. Sash | Wood | A | DETERIORATED | Brown | Room 02 | 2nd | Ext | 17.2 | Positive |
| 126 | 12:13:12 | Lead Paint | 2 | mg/cm2 | Win. Track | Wood | Α | DETERIORATED | Brown | Room 02 | 2nd | Ext | 26.1 | Positive |
| 127 | 12:13:27 | Lead Paint | 5 | mg/cm2 | Win. Well-Trough | Wood | Α | DETERIORATED | Brown | Room 02 | 2nd | Ext | 1.3 | Positive |
| 128 | 12:14:12 | Lead Paint | 2 | mg/cm2 | Wall | Plaster | В | DETERIORATED | Grey | Room 01 | 2nd | Int | 0.2 | Negative |
| 129 | 12:14:29 | Lead Paint | 2 | mg/cm2 | Ceiling | Plaster | | DETERIORATED | Grey | Room 01 | 2nd | Int | 0 | Negative |
| 130 | 12:15:49 | Lead Paint | 2 | mg/cm2 | Ceiling | Plaster | - | DETERIORATED | Grey | Room 02 | 2nd | Int | 0.3 | Negative |
| 131 | 12:16:03 | Lead Paint | 2 | mg/cm2 | Wall | Plaster | D | DETERIORATED | Grey | Room 02 | 2nd | Int | 0.1 | Negative |
| 132 | 12:16:29 | Lead Paint | 2 | mg/cm2 | Baseboard | Wood | В | DETERIORATED | White | Room 02 | 2nd | Int | 16 | Positive |

| | | _ | | | | | | Condition | | _ | | | | - |
|-----|----------|------------|----------|--------|------------------|-----------|------|--------------|-------|---------|-------|---------|------|----------|
| # | Time | Туре | Duration | Units | Component | Substrate | Side | of Paint | Color | Room | Floor | Int/Ext | PbC | Result |
| 133 | 12:16:45 | Lead Paint | 2 | mg/cm2 | Win. Casing | Wood | В | DETERIORATED | White | Room 02 | 2nd | Int | 13.3 | Positive |
| 134 | 12:16:58 | Lead Paint | 2 | mg/cm2 | Win. Sill-Stool | Wood | В | DETERIORATED | White | Room 02 | 2nd | Int | 15.3 | Positive |
| 135 | 12:17:10 | Lead Paint | 2 | mg/cm2 | Win. Sash | Wood | В | DETERIORATED | White | Room 02 | 2nd | Int | 15.1 | Positive |
| 136 | 12:17:39 | Lead Paint | 2 | mg/cm2 | Door | Wood | D | DETERIORATED | White | Room 02 | 2nd | Int | 15.5 | Positive |
| 137 | 12:17:50 | Lead Paint | 2 | mg/cm2 | Door Casing | Wood | D | DETERIORATED | White | Room 02 | 2nd | Int | 16.5 | Positive |
| 138 | 12:18:03 | Lead Paint | 2 | mg/cm2 | Door Jamb | Wood | D | DETERIORATED | White | Room 02 | 2nd | Int | 14.8 | Positive |
| 139 | 12:18:22 | Lead Paint | 2 | mg/cm2 | Door Dormer Wn. | Wood | D | DETERIORATED | White | Room 02 | 2nd | Int | 16.3 | Positive |
| 140 | 12:20:39 | Lead Paint | 2 | mg/cm2 | Door Dormer Wn. | Wood | В | DETERIORATED | White | Room 03 | 2nd | Int | 16.6 | Positive |
| 141 | 12:20:56 | Lead Paint | 2 | mg/cm2 | Door Casing | Wood | В | DETERIORATED | White | Room 03 | 2nd | Int | 17.5 | Positive |
| 142 | 12:21:18 | Lead Paint | 2 | mg/cm2 | Door Jamb | Wood | В | DETERIORATED | White | Room 03 | 2nd | Int | 16.1 | Positive |
| 143 | 12:21:34 | Lead Paint | 2 | mg/cm2 | Door | Wood | В | DETERIORATED | White | Room 03 | 2nd | Int | 13.7 | Positive |
| 144 | 12:21:49 | Lead Paint | 2 | mg/cm2 | Door | Wood | С | DETERIORATED | White | Room 03 | 2nd | Int | 15.1 | Positive |
| 145 | 12:22:04 | Lead Paint | 2 | mg/cm2 | Clos. Door | Wood | С | DETERIORATED | White | Room 03 | 2nd | Int | 12.8 | Positive |
| 146 | 12:22:18 | Lead Paint | 2 | mg/cm2 | Clos. Dr. Casing | Wood | С | DETERIORATED | White | Room 03 | 2nd | Int | 6.9 | Positive |
| 147 | 12:22:31 | Lead Paint | 2 | mg/cm2 | Clos. Baseboard | Wood | С | DETERIORATED | White | Room 03 | 2nd | Int | 7 | Positive |
| 148 | 12:22:46 | Lead Paint | 2 | mg/cm2 | Clos. Bracket | Wood | С | DETERIORATED | Grey | Room 03 | 2nd | Int | 7 | Positive |
| 149 | 12:23:01 | Lead Paint | 2 | mg/cm2 | Clos. Shelf | Wood | С | DETERIORATED | Grey | Room 03 | 2nd | Int | 6.9 | Positive |
| 150 | 12:23:23 | Lead Paint | 2 | mg/cm2 | Baseboard | Wood | D | DETERIORATED | White | Room 03 | 2nd | Int | 18.6 | Positive |
| 151 | 12:23:41 | Lead Paint | 2 | mg/cm2 | Win. Sash | Wood | D | DETERIORATED | White | Room 03 | 2nd | Int | 0.6 | Negative |
| 152 | 12:23:51 | Lead Paint | 2 | mg/cm2 | Win. Sash | Wood | D | DETERIORATED | White | Room 03 | 2nd | Int | 0.7 | Negative |
| 153 | 12:24:09 | Lead Paint | 3 | mg/cm2 | Win. Sash | Wood | D | DETERIORATED | White | Room 03 | 2nd | Int | 0.7 | Negative |
| 154 | 12:24:29 | Lead Paint | 2 | mg/cm2 | Win. Sash | Wood | D | DETERIORATED | White | Room 03 | 2nd | Int | 0.6 | Negative |
| 155 | 12:24:47 | Lead Paint | 2 | mg/cm2 | Win. Sill-Stool | Wood | D | DETERIORATED | White | Room 03 | 2nd | Int | 15.7 | Positive |
| 156 | 12:25:06 | Lead Paint | 2 | mg/cm2 | Win. Sash | Wood | D | DETERIORATED | Brown | Room 03 | 2nd | Ext | 22.1 | Positive |
| 157 | 12:25:20 | Lead Paint | 2 | mg/cm2 | Win. Well-Trough | Wood | D | DETERIORATED | Brown | Room 03 | 2nd | Ext | 16.7 | Positive |
| 158 | 12:25:34 | Lead Paint | 2 | mg/cm2 | Win. Track | Wood | D | DETERIORATED | Brown | Room 03 | 2nd | Ext | 17.8 | Positive |
| 159 | 12:26:01 | Lead Paint | 2 | mg/cm2 | Clos. Wall | Plaster | С | DETERIORATED | Grey | Room 03 | 2nd | Int | 0.2 | Negative |
| 160 | 12:26:26 | Lead Paint | 2 | mg/cm2 | Wall | Plaster | D | DETERIORATED | Grey | Room 03 | 2nd | Int | 0.3 | Negative |
| 161 | 12:26:41 | Lead Paint | 2 | mg/cm2 | Ceiling | Plaster | | DETERIORATED | Grey | Room 03 | 2nd | Int | 0 | Negative |
| 162 | 12:30:53 | Lead Paint | 5 | mg/cm2 | CALIBRATE | | | | Green | | | | 1 | Positive |
| 163 | 12:31:11 | Lead Paint | 5 | mg/cm2 | CALIBRATE | | | | Green | | | | 1 | Positive |
| 164 | 12:31:29 | Lead Paint | 5 | mg/cm2 | CALIBRATE | | | | Green | | | | 1 | Positive |

13.0 GLOSSARY

COMMON LEAD-BASED PAINT TERMS

Abatement: A measure or set of measures designed to permanently eliminate lead-based paint hazards or lead-based paint. Abatement strategies include the removal of lead-based paint, enclosure, encapsulation, replacement of building components coated with lead-based paint, removal of lead-contaminated dust, and removal of lead-contaminated soil or overlaying of soil with a durable covering such as asphalt (grass and sod are considered interim control measures). All of these strategies require preparation; cleanup; waste disposal; post-abatement clearance testing; recordkeeping; and, if applicable, monitoring. See also **complete abatement** and **interim controls**.

Bare soil: Soil not covered with grass, sod, some other similar vegetation, or paving, including the sand in sandboxes.

Building component: Any element of a building that may be painted or have dust on its surface. Building components include, for example, walls, stair treads, floors, railings, doors, jambs, casings, window sills, casings, etc. Building component replacement: See **replacement**.

Chewable surface: Any interior or exterior surface painted with lead-based paint that a young child can mouth or chew. A chewable surface is any painted surface that shows evidence of having been chewed or mouthed by a young child. A chewed surface is the same as an "accessible surface" as defined in 42 USC 4851b(2). It is usually a protruding, horizontal part of a building, such as an interior window sill. Hard metal substrates and other materials that cannot be dented by the bite of a young child are not considered chewable.

Cleaning: The process of using a HEPA vacuum and wet cleaning agents to remove leaded dust; the process includes removal of bulk debris from the work area. OSHA prohibits the use of compressed air to clean lead-contaminated dust from a surface.

Clearance examination: Visual examination and collection of environmental samples by an inspector or risk assessor and analysis by an accredited laboratory upon completion of an abatement project, interim control intervention, or maintenance job that disturbs lead-based paint (or paint suspected of being lead-based). The clearance examination is performed to ensure that lead exposure levels do not exceed standards established by the EPA Administrator pursuant to Title IV of the Toxic Substances Control Act, and that any cleaning following such work adequately meets those standards.

Complete abatement: Abatement of all lead-based paint inside and outside a dwelling or building and reduction of any lead-contaminated dust or soil hazards. All of these strategies require preparation; cleanup; waste disposal; post-abatement clearance testing; recordkeeping; and, if applicable, reevaluation and on-going monitoring. See also **abatement**.

Deteriorated paint: Any paint coating on a damaged or deteriorated surface or fixture, or any interior or exterior lead-based paint that is peeling, chipping, blistering, flaking, worn, chalking, alligatoring, cracking, or otherwise becoming separated from the substrate.

Dripline/foundation area: The area within three feet out from the building wall and surrounding the perimeter of a building.

Dust-lead hazard: Surface dust in residences that contains an area or mass concentration of lead equal to or in excess of the standard established by the EPA under Title IV of the Toxic Substances Control Act. EPA standards for dust-lead hazards, which are based on wipe samples, are published at 40 CFR 745.65(b); as of the publication of this edition of these *Guidelines*, these are 10 μ g/ft² on floors and 100 μ g/ft² on interior window sills. Also called lead-contaminated dust.

Encapsulation: Any covering or coating that acts as a barrier between lead-based paint and the

environment, the durability of which relies on adhesion and the integrity of the existing bonds between multiple layers of paint and between the paint and the substrate. See also **enclosure**.

Enclosure: The use of rigid, durable construction materials that are mechanically fastened to the substrate to act as a barrier between the lead-based paint and the environment.

Friction surface: Any interior or exterior surface, such as a window or stair tread, subject to abrasion or friction.

Garden area: An area where plants are cultivated for human consumption or for decorative purposes.

Impact surface: An interior or exterior surface (such as surfaces on doors) subject to damage by repeated impact or contact.

Inspection (of paint): A surface-by-surface investigation to determine the presence of lead-based paint (in some cases including dust and soil sampling) and a report of the results.

Interim controls: A set of measures designed to temporarily reduce human exposure or possible exposure to lead-based paint hazards. Such measures include specialized cleaning, repairs, maintenance, painting, temporary containment, and management and resident education programs. Monitoring, conducted by owners, and reevaluations, conducted by professionals, are integral elements of interim control. Interim controls include dust removal; paint film stabilization; treatment of friction and impact surfaces; installation of soil coverings, such as grass or sod; and land-use controls. See also **monitoring**, **reevaluation**, and **abatement**.

Lead-based paint hazard control: Activities to control and eliminate lead-based paint hazards, including interim controls, abatement, and complete abatement.

Lead-based paint hazard: A condition in which exposure to lead from lead contaminated dust, lead contaminated soil, or deteriorated lead-based paint would have an adverse effect on human health (as established by the EPA at 40 CFR 745.65, under Title IV of the Toxic Substances Control Act). Lead-based paint hazards include, for example, **paint-lead** hazards, **dust-lead** hazards, and **soil-lead hazards**.

Lead-based paint: Any paint, varnish, shellac, or other coating that contains lead equal to or greater that 1.0 mg/cm² as measured by XRF or laboratory analysis, or 0.5 percent by dry weight (5,000 mg/g, 5,000 ppm, or 5,000 mg/kg) as measured by laboratory analysis. (Local definitions may vary.)

Maintenance: Work intended to maintain adequate living conditions in a dwelling, which has the potential to disturb lead-based paint or paint that is suspected of being lead-based.

Monitoring: Surveillance to determine (1) that known or suspected lead-based paint is not deteriorating, (2) that lead-based paint hazard controls, such as paint stabilization, enclosure, or encapsulation have not failed, (3) that structural problems do not threaten the integrity of hazard controls or of known or suspected lead-based paint, and (4) that dust lead levels have not risen above applicable standards. There are two types of monitoring activities; visual surveys by property owners and reevaluations by certified risk assessors. Visual surveys are generally conducted annually for the purpose of making the first three determinations listed above. Reevaluations are conducted in accordance with the Standard Reevaluation Schedule (or more frequently, if needed) for the purpose of making all four determinations. Monitoring is not required in properties known to be free of lead-based paint. See also **reevaluation**.

Paint film stabilization: The process of wet scraping, priming, and repainting surfaces coated with deteriorated lead-based paint; paint film stabilization includes cleanup and clearance.

Paint removal: An abatement strategy that entails the removal of lead-based paint from surfaces. For lead hazard control work, this can mean using chemicals, heat guns below 1,100°F, and certain *contained*

abrasive methods. Open flame burning, open abrasive blasting, sandblasting, water blasting, and extensive dry scraping are prohibited paint removal methods. (Methylene chloride paint removers and dry scraping are also not recommended).

Paint-lead hazard: Lead-based paint on a friction surface that is subject to abrasion and where a dustlead hazard is present on the nearest horizontal surface underneath the friction surface (e.g., the window sill or floor); damaged or otherwise deteriorated lead-based paint on an impact surface that is caused by impact from a related building component; a chewable lead-based painted surface on which there is evidence of teeth marks; or any other deteriorated lead-based paint in any residential building or childoccupied facility or on the exterior of any residential building or child-occupied facility.

Play area: An area of frequent soil contact by children age six or under as indicated by, but not limited to, such factors including the following: the presence of outdoor play equipment (e.g., sandboxes, swing sets and sliding boards), toys, or other children's possessions, observations of play patterns, or information provided by parents, residents, caregivers, or property owners.

Reevaluation: In lead hazard control work, the combination of a visual assessment and collection of environmental samples performed by a certified risk assessor to determine if a previously implemented lead-based paint hazard control measure is still effective and if the dwelling remains lead-safe.

Replacement: A strategy of abatement that entails the removal of building components coated with leadbased paint (such as windows, doors, and trim) and the installation of new components free of lead-based paint.

Risk assessment: An onsite investigation of a residential dwelling to discover any lead-based paint hazards. Risk assessments include an investigation of the age, history, management, and maintenance of the dwelling, and the number of children under age 6 and women of child-bearing age who are residents; a visual assessment; limited environmental sampling (i.e. collection of dust wipe samples, soil samples, and deteriorated paint samples); and preparation of a report identifying acceptable abatement and interim control strategies based on specific conditions.

Soil-lead hazard: Bare soil on residential property that contains lead in excess of the standard established by the EPA under Title IV of the Toxic Substances Control Act. EPA standards for soil-lead hazards, published at 40 CFR 745.65©, as of the publication of this edition of these *Guidelines*, is 400 μ g/g in play areas and 1,200 μ g/g in the rest of the yard. Also called lead-contaminated soil.

Treatment: In residential lead-based paint hazard control work, any method designed to control leadbased paint hazards. Treatment includes interim controls, abatement, and removal. Hazardous waste "treatment" is a method, technique, or process (such as neutralization) that is designed to change the physical, chemical, or biological character or composition of hazardous waste to neutralize it; render it non-hazardous or less hazardous; recover it; make it safer to transport, store, or dispose; or allow for easier recovery, storage, or volume reduction.

KEY UNITS OF MEASUREMENT

Gram (g or gm): A unit of mass in the metric system. A nickel weighs about 1 gram, as does 1 cube of water 1 centimeter on each side. A gram is equal to about 35/1000 (thirty-five thousandths) of an ounce. Another way to think of this is that about 28.4 grams equal 1 ounce.

 μ g (microgram): A microgram is 1/1000th of a milligram (or one millionth of a gram). To put this into perspective, a penny weighs 2 grams. To get a microgram, you would need to divide the penny into 2 million pieces. A microgram is one of those two million pieces.

 μ g/dL (microgram per deciliter): used to measure the level of lead in children's and worker's blood to establish whether the intervention is needed. A deciliter (1/10th of liter) is a little less than half a cup.

 $\mu g/ft2$ (micrograms per square feet): the unit used to express levels of lead in dust samples. All reports should report levels of lead in dust in $\mu g/ft^2$.

mg/cm² (milligrams per square centimeter): used to report levels of lead in paint through XRF testing.

ppm (parts per million): Typically used to express the concentrations of lead in soil. Can also be used to express the amount of lead in a surface coating on a mass concentration basis. This measurement can also be shown as: $\mu g/g$ (micrograms per gram), mg/kg (milligrams per kilogram) or mg/l (milligrams per liter).

ppb (**parts per billion**): Typically used to express the amount of lead found in drinking water. This measurement is also sometimes expressed as $\mu g/L$ (micrograms per liter).

LEAD-BASED PAINT AND LEAD-BASED PAINT HAZARD STANDARDS

Lead-based Paint (may be determined in either of two ways)

| • Surface concentration (mass of lead per area) | $1.0 \ \mu g/cm^2$ |
|---|------------------------------|
| • Bulk concentration (mass of lead per volume) | 0.5%, 5000 µg/g, or 5000 ppm |
| Dust-thresholds for Lead Contamination | |
| • Floors | $10 \ \mu g/ft^2$ |
| • Interior windowsills | $100 \ \mu g/ft^2$ |
| • Window troughs (clearance examination only) | $400 \ \mu\text{g/ft}^2$ |
| Soil-thresholds for Lead Contamination | |
| • Play areas used by children age 6 or under | 400 µg/g or 400 ppm |

• Other areas

400 μg/g or 400 ppm 1200 μg/g or 1200 ppm

14.0 PERFORMANCE CHARACTERISTIC SHEET

HEURESIS PCS December 2015

Performance Characteristic Sheet

EFFECTIVE DATE: December 1, 2015

MANUFACTURER AND MODEL:

| Make: | Heuresis |
|---------|------------------------------------|
| Models: | Model Pb200i |
| Source: | ్ Co, 5 mCi (nominal – new source) |

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Action Level mode

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm² (inclusive)

SUBSTRATE CORRECTION:

Not applicable

INCONCLUSIVE RANGE OR THRESHOLD:

| ACTION LEVEL MODE READING DESCRIPTION | SUBSTRATE | THRESHOLD (mg/cm ²) |
|---|--|---|
| Results not corrected for substrate bias on any substrate | Brick Concrete Drywall Metal Plaster Wood | 1.0 1.0 1.0 1.0 1.0 1.0 1.0 |

Page 1 of 4

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 using test results on building components in the HUD archive. Testing was conducted on 146 test samples in November 2015, with two separate instruments running software version 2.1-2 in Action Level test mode. The actual source strength of each instrument on the day of testing was approximately 2.0 mCi; source ages were approximately one year.

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.

XRF CALIBRATION CHECK:

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 the average (rounded to 1 decimal place) of three readings is outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instrument into control before XRF testing proceeds.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Chapter 7 of the HUD Guidelines provides guidance on correcting XRF results for substrate bias. Supplemental guidance for using the paint film nearest 1.0 mg/cm² for substrate correction is provided:

XRF results are corrected for substrate bias by subtracting from each XRF result a correction value determined separately in each house for single-family housing or in each development for multifamily housing, for each substrate. The correction value is an average of XRF readings taken over the NIST SRM paint film nearest to 1.0 mg/cm² at test locations that have been scraped bare of their paint covering. Compute the correction values as follows:

Using the same XRF instrument, take three readings on a bare substrate area covered with the NIST SRM paint film nearest 1 mg/cm². Repeat this procedure by taking three more readings on a second bare substrate area of the same substrate covered with the NIST SRM.

Compute the correction value for each substrate type where XRF readings indicate substrate correction is needed by computing the average of all six readings as shown below.

For each substrate type (the 1.02 mg/cm² NIST SRM is shown in this example; use the actual lead loading of the NIST SRM used for substrate correction):

Correction value = (1st + 2nd + 3rd + 4th + 5th + 6th Reading)/6 - 1.02 mg/cm²

Repeat this procedure for each substrate requiring substrate correction in the house or housing development.

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.

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

Page 2 of 4

HEURESIS PCS December 2015

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 and multi-family housing, a result is defined as 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 the 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 readings.

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

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:

In the Action Level paint test mode, the instrument takes the longest time to complete readings close to the Federal standard of 1.0 mg/cm². The table below shows the mean and standard deviation of actual reading times by reading level for paint samples during the November 2015 archive testing. The tested instruments reported readings to one decimal place. No significant differences in reading times by substrate were observed. These times apply only to instruments with the same source strength as those tested (2.0 mCi). Instruments with stronger sources will have shorter reading times and those with weaker sources, longer reading times, than those in the table.

| Mean and Standard Deviation of Reading Times in Action Level Mode by Reading Level | | | | | | | |
|--|-----------------------------|------------------------------|--|--|--|--|--|
| Reading (mg/cm ²) | Mean Reading Time (seconds) | Standard Deviation (seconds) | | | | | |
| < 0.7 | 3.48 | 0.47 | | | | | |
| 0.7 | 7.29 | 1.92 | | | | | |
| 0.8 | 13.95 | 1.78 | | | | | |
| 0.9 - 1.2 | 15.25 | 0.66 | | | | | |
| 1.3 - 1.4 | 6.08 | 2.50 | | | | | |
| <u>≥</u> 1.5 | 3.32 | 0.05 | | | | | |

Page 3 of 4

CLASSIFICATION OF RESULTS:

XRF results are classified as **positive** if they are **greater than or equal** to the stated threshold for the instrument (1.0 mg/cm²), and *negative* if they are *less than* the threshold.

DOCUMENTATION:

A report titled *Methodology for XRF Performance Characteristic Sheets* (EPA 747-R-95-008) 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. The report may be downloaded at <u>http://www2.epa.gov/lead/methodology-xrf-performance-characteristic-sheets-epa-747-r-95-008-september-1997</u>.

This XRF Performance Characteristic Sheet (PCS) was developed by QuanTech, Inc., under a contract with the XRF manufacturer.

Address of unit where risk assessment was conducted:

118 N Walnut Street South Bend, IN 46628

Lead-based paint risk assessment description:

Date of risk assessment: March 28, 2022

Summary of risk assessment results (check all that apply):

- \checkmark No lead-based paint hazards were identified.
- □ Lead-based paint hazards were identified.
- \checkmark A brief summary of the findings of the assessment.

Summary of types and locations of lead-based paint hazards identified:

Dust-lead Locations

- Lead dust is assumed to be present around all positive components noted in the following charts.
- There are lead dust levels around all windows and all floors (including all stairwell stair treads) that exceed HUD guidelines.

Bare Soil Locations

• No Soil Sample Taken (Upstairs unit only)

Building Components

| | EXTERIOR | | | | | | |
|--|------------------------|----------------|----------|--|--|--|--|
| <i>General note</i> : If any exterior inaccessible components are ever removed, all painted surfaces must be assumed positive. | | | | | | | |
| Room/Location | Component(s) | Square Feet | Quantity | Assumed Positive (check if yes) | | | |
| Front entry A | Door components | 10 | 1 | | | | |
| Front entry AD | Windows and components | 3 | 2 | | | | |
| 2 nd floor stairway D | Window and components | 5 | 1 | | | | |
| Room 1 A | Windows and components | 5 | 3 | | | | |
| Room 2 AB | Windows and components | 5 | 2 | | | | |
| Bathroom B | Window and components | 5 | 1 | | | | |
| Rear stairway B | Window and components | 5 | 1 | | | | |
| Kitchen C | Windows and components | 5 | 2 | | | | |
| Room 3 D | Windows and components | 5 | 2 | | | | |

INTERIORGeneral note: If any interior inaccessible components (paneling, drop ceiling, wall boards, etc.)are ever removed, all painted surfaces must be assumed positive.Room/LocationComponent(s)SquareQuantityAssumed

| Room/Location | Component(s) | Square | Quantity | Assumed | |
|---------------|--------------|--------|----------|-----------|--|
| | | Feet | | Positive | |
| | | | | (check if | |
| | | | | yes) | |

INTERIOR General note: If any interior inaccessible components (paneling, drop ceiling, wall boards, etc.) are ever removed, all painted surfaces must be assumed positive.

| Room/Location | component(s) | Square | Quantity | Assumed |
|-----------------------------------|--|--------|----------|-----------|
| | | Feet | | Positive |
| | | | | (check if |
| Front entry A | Door and components | 25 | 1 | yes) |
| Front entry | Baseboard | 6 | 1 | |
| Front entry D | Stringer | 18 | | |
| Front entry AD | Windows and components | 5 | 2 | |
| 2 nd floor stairway | Windows and components | 8 | 1 | |
| | * | 4 | 1 | |
| 2 nd floor stairway | Stair stringer Baseboard | 25 | | |
| 2 nd floor stairway | | | 4 | |
| 2 nd floor stairway B | Doors and components including dormers | 22 | 4 | |
| 2 nd floor stairway D | Door and components | 18 | 1 | |
| 2 nd floor stairway D | Closet door and components | 18 | 1 | |
| 2 nd floor stairway D | Closet components | 8 | | |
| 2 nd floor stairway C | Door components | 10 | 1 | |
| Bathroom B | Cabinet out and in including shelves | 20 | | |
| Bathroom D | Door and jamb including dormer | 20 | 1 | |
| 2 nd floor stairway AC | Trim (corner) | 2 | 3 | |
| Rear stairway AC | Trim (corner) | 2 | 2 | |
| Rear stairway B | Window and components | 6 | 1 | |
| Rear stairway C | Door casing | 6 | 1 | |
| Rear stairway ABCD | Stair stringers | 40 | 1 | |
| Rear stairway | Baseboard | 6 | | |
| Kitchen AB | Trim (corner) (in closet) | 2 | 2 | |
| Kitchen ABCD | Baseboard | 15 | 2 | |
| Kitchen C | Windows and components | 8 | 2 | |
| | | | 2 | |
| Kitchen AB | Doors and components | 15 | | |
| Kitchen A | Door components | 10 | 1 | |
| Kitchen B | Closet components | 15 | 1 | |
| Kitchen B | Closet door and components | 20 | | |
| Attic stairway C | Door and jamb | 15 | | |
| Room 1 A | Windows and components | 8 | 3 | |
| Room 1 ABCD | Baseboard | 30 | | |
| Room 1 D | Arch casing | 14 | | |
| Room 1 C | Door and components including dormer | 22 | | |
| Room 1 D | Door and components | 15 | | |
| Room 1 D | Closet door and components | 15 | | |
| Room 1 D | | 8 | | |
| | Closet components | 8 | 2 | |
| Room 2 AB | Windows and components | | 2 | |
| Room 2 ABCD | Baseboard | 25 | 1 | |
| Room 2 D | Door and components including dormer | 22 | 1 | |
| Room 3 B | Door and components including | 22 | 1 | |

INTERIOR

General note: If any interior inaccessible components (paneling, drop ceiling, wall boards, etc.) are ever removed, all painted surfaces must be assumed positive.

| Room/Location | Component(s) | Square Feet | Quantity | Assumed Positive (check if yes) |
|---------------|----------------------------|----------------|----------|--|
| | dormer | | | |
| Room 3 C | Door and components | 15 | 1 | |
| Room 3 C | Closet door and components | 15 | 1 | |
| Room 3 C | Closet components | 10 | | |
| Room 3 D | Windows and components | 5 | 2 | |
| Room 3 ABCD | Baseboard | 20 | | |

Staff person to contact for more information regarding risk assessment:

Pat Lynch South Bend Heritage 803 Lincolnway West South Bend, IN 46616 Phone: 574-289-1066 patlynch@sbhertiage.org

Person who prepared this Summary Notice:

William C. Center Greentree Environmental Services, Inc. P. O. Box 2297 Portage, IN 46368 Phone: 219-764-2828 Toll-free: 888-584-LEAD (5323) E-mail: greentree@grntree.net

Mian C. Center

March 28, 2022