



AAA Lead Inspections, Inc.

15 North Park
P.O. Box 141014
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Lead-Based Paint Risk Assessment

Conducted At:

**9580 Carter Road West
St. Helen, MI 48656**

For:

**Tom O'Connell
USDA - Centralized Servicing Center
4300 Goodfellow Blvd.
FC 213 Bldg 105
St. Louis, MO 63120-1703**



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October 10, 2011

Tom O'Connell
USDA - Centralized Servicing Center
4300 Goodfellow Blvd.
FC 213 Bldg 105
St. Louis, MO 63120-1703

RE: Lead Risk Assessment
9580 Carter Road West, St. Helen

Dear Tom:

As requested, AAA Lead Inspections, Inc. (AAA) has conducted a lead-based paint risk assessment at 9580 Carter Road West in St. Helen, Michigan for the purpose of identifying the presence of lead-based paint hazards on the interior and exterior of the property. Erick Knuth, a state of Michigan certified Lead Risk Assessor (P-03699), conducted the assessment on September 30, 2011.

The lead paint sampling was conducted using a Niton XLp 300a X-Ray Fluorescence Spectrum Analyzer (serial #20408) to inspect the surfaces through a random sampling process of the residential structure. Dust wipe and soil sampling was also conducted.

I have concluded that there are significant lead-based paint hazards present at the subject property. A complete summary of the inspection as well as the XRF report outlining the results of the XRF inspection is included. AAA's evaluation of the relative risk of exposure to lead identified during this assessment is based on conditions observed at the time of the evaluation. AAA cannot be responsible for changing conditions that may alter the relative exposure risk to occupants or contractors.

It is the owner's responsibility to disclose any information contained in this report to any current or future owners or tenants. If any additional information or clarification is needed, please do not hesitate to contact me at (616) 364-9200.

Sincerely,
AAA Lead Inspections, Inc.



Erick Knuth
Certified Lead Inspector/Risk Assessor

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Appendix A: XRF & Laboratory Results

**AAA Lead Inspections, Inc.
Risk Assessment Resident Questionnaire**

Resident Information

Name Vacant Property
 Address 9580 Carter Road West, St. Helen, Michigan
 Phone _____ Date Built 1971

Children/Children's Habits

1. (a) Do you have children that live in your home? Yes No
 (If no children under 7, skip to Question 5)
- (b) If yes, how many? _____ Ages _____
- (c) Blood lead levels, if known (ug/dl). _____
- (d) Are there women of childbearing age present? Yes No
2. Location of the rooms/areas where each child sleeps, eats and plays.

Name of child	Location of bedroom	Location of all rooms where child eats	Primary location where child plays <i>indoors</i>	Primary location where child plays <i>outdoors</i>

3. Where are toys stored/kept? _____
4. Is there any visible evidence of chewed or peeling paint on the woodwork, furniture, or toys? Yes No

Family Use Patterns

5. Which entrances are used most frequently? _____
6. Which windows are opened most frequently? Most
7. Do you use window air conditioners? If yes, where? _____

8. (a) Do any household members garden? Yes No
- (b) Location of garden. _____
- (c) Are you planning any landscaping activities that will remove grass or ground covering? Yes No
9. (a) Did you recently complete any building renovations? Yes No
- (b) If yes, where? _____
- (c) Was building debris stored in the yard? Yes No
- (d) If yes, where? _____
10. Are you planning any building renovations? Where? _____
11. (a) Do any household members work in a lead-related industry? Yes No
- (b) If yes, where are dirty clothes placed and cleaned? _____

VISUAL INSPECTION

EXTERIOR:

A visual inspection of the exterior condition of the property was performed. The house and attached garage is covered with painted wood siding and trim in fair condition. The windows have painted wood sashes in fair condition. The basement windows are painted wood. The yard is primarily grass and few paint chips were identified.

INTERIOR WALLS:

The walls are unpainted paneling.

INTERIOR CEILINGS:

The ceilings are 12" tiles.

INTERIOR FLOORS:

The floors are covered with carpet.

INTERIOR WINDOW FRAMES, BASE MOLDINGS, AND SILLS:

Most of the interior windows and trim are unpainted wood.

INTERIOR/EXTERIOR DOORS:

The interior and exterior doors and trim are primarily unpainted wood.

STAIRWAYS:

The stairs are covered with carpet.

**AAA Lead Inspections, Inc.
Building Condition Form**

Address 9580 Carter Road West, St. Helen

Condition	Yes	No
Roof missing parts of surfaces (tiles, boards, shakes, etc.)		X
Roof has holes or large cracks		X
Gutters or downspouts broken or missing	X	
Chimney masonry cracked, bricks loose or missing, obviously out of plumb		X
Exterior or interior walls have obvious large cracks or holes, requiring more than routine pointing (if masonry) or painting		X
Exterior siding has missing boards or shingles		X
Water stains on interior walls or ceilings		X
Plaster walls or ceilings deteriorated		X
Two or more windows or doors broken, missing, or boarded		X
Porch or steps have major elements broken, missing or boarded up		X
Foundation has major cracks, missing material, structure leans, or visibly unsound		X
*Total number	1	10

*If the "Yes" column has two or more checks, the dwelling is usually considered to be in poor condition for the purposes of a risk assessment.

Notes:

SUMMARY DISCUSSION OF XRF INSPECTION

An XRF lead inspection was performed to determine the existence of lead based-paint hazards. A representative number of samples were tested with a Niton XLp 300a Lead Analyzer.

A complete listing of all test results is provided herein. Results are organized and shown in actual sequence by sample number, room tested, component of each room, substrate of each component, condition of paint, and the results as positive, negative, or inconclusive.

Using the inspection protocol in Chapter 7 of the *HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (1997 Revision)*, a “positive” result indicates that a sample has a lead concentration equal to or greater than 1.0 mg/cm². A “negative” result indicates that a sample has a lead concentration of less than 1.0 mg/cm². An “inconclusive” result occurs when a sample is at or near the 1.0 mg/cm² reading and the instrument is unable to give a true “positive” or “negative” result. To resolve an “inconclusive” result, a paint chip sample is taken at the specific sample location and forwarded to an accredited laboratory for analysis.

Painted surfaces that may contain levels of lead below 1.0 mg/cm² could create lead dust or lead-contaminated soil hazards if the paint is turned into dust by abrasion, scraping, or sanding.

The following information is pertinent to this report and summarizes the results of the lead inspection:

1. There were 51 random assays reported.
2. All assays were uniquely numbered and sequentially taken.
3. There were 11 “positive” assays with lead levels at or above 1.0 mg/cm².
4. There were 40 “negative” assays with lead levels below 1.0 mg/cm².
5. There were 0 “inconclusive” assays that required paint chip sampling.
6. All samples were taken with a Niton XLp 300a.

DUST WIPE SAMPLING

Dust wipe samples were collected and forwarded to a Certified Environmental Laboratory for analysis of lead content. The results of the laboratory analysis are attached herein and made a part of this report. Based on Chapter 5 of the *HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (1997 Revision)*, the clearance levels are as follows:

- Floors: 40 ug/ft²
- Window sills: 250 ug/ft²
- Window troughs: 400 ug/ft²

SAMPLE #	LOCATION	CL. LEVEL	RESULT
DW-1	Room 1 Floor	40 ug/ft ²	<5.0 ug/ft ²
DW-2	Room 1 Sill (A)	250 ug/ft ²	27 ug/ft ²
DW-3	Room 3 Floor	40 ug/ft ²	<5.0 ug/ft ²
DW-4	Room 3 Trough (D)	400 ug/ft ²	130 ug/ft ²
DW-5	Room 4 Floor	40 ug/ft ²	<5.0 ug/ft ²
DW-6	Room 4 Sill (C)	250 ug/ft ²	48 ug/ft ²
DW-7	Room 5 Floor	40 ug/ft ²	6.0 ug/ft ²
DW-8	Room 5 Trough (C)	400 ug/ft ²	88 ug/ft ²
DW-9	Room 6 Floor	40 ug/ft ²	5.7 ug/ft ²
DW-10	Room 6 Sill (B)	250 ug/ft ²	16 ug/ft ²
DW-11	Room 8 Floor	40 ug/ft ²	12 ug/ft ²
DW-12	Room 8 Trough (D)	400 ug/ft ²	190 ug/ft ²

SOIL SAMPLING RESULTS

Soil samples were collected and forwarded to a Certified Environmental Laboratory for analysis of lead content. The results of the laboratory analysis are attached herein and made a part of this report. Based on Chapter 5 of the *HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (1997 Revision)*, the clearance levels are as follows:

- Yard Areas: 1,200 ppm (mg/Kg)
- Play Areas: 400 ppm (mg/Kg)
- Garden Soil: *300 ppm (mg/Kg)

SAMPLE #	LOCATION	CL. LEVEL	RESULT
SS-1	Perimeter Composite	1,200 ppm	<10 ppm

*HUD has not established a clearance level for garden soil. The "clearance" level utilized by AAA Lead Inspections, Inc. is the generally accepted amount based on research in the gardening and agricultural industry. Lead is not readily accumulated or absorbed in plants, but is more of a concern if it adheres to the outside of items such as root vegetables. It is recommended that these types of vegetables be thoroughly rinsed before eating.

LEAD HAZARD ASSESSMENT AND RECOMMENDATIONS

Following is a list of all lead hazards identified during this assessment. The hazards are given a severity level, as per the HUD Guidelines. Due to the dust wipe samples, soil, and the XRF results, the following recommendations for corrective action are suggested. If interim controls, temporary methods, are to be utilized on this property rather than abatement methods, then the hazardous areas will only require cleanup and paint stabilization. Encapsulation is considered an abatement method.

LOCATION	LEAD PAINTED COMPONENTS AND LEAD HAZARDS	SEVERITY LEVEL	INTERIM CONTROL	ABATEMENT OPTIONS
HAZARD LEVELS: 1 – MOST SEVERE 2 – VERY SEVERE 3 – SOMEWHAT SEVERE				
EXTERIOR	WOOD SIDING	2	WET SCRAPE AND PAINT	1. WET SCRAPE AND ENCAPSULATE 2. INSTALL VINYL SIDING
	SOFFIT & FASCIA	3	WET SCRAPE AND PAINT	1. WET SCRAPE AND ENCAPSULATE 2. WRAP WITH ALUMINUM
SIDE A PORCH	CEILING	3	WET SCRAPE AND PAINT	1. WET SCRAPE AND ENCAPSULATE 2. COVER WITH AN APPROPRIATE MATERIAL
	UPPER TRIM	3	WET SCRAPE AND PAINT	1. WET SCRAPE AND ENCAPSULATE 2. WRAP WITH ALUMINUM
SIDE B PORCH	CEILING	3	WET SCRAPE AND PAINT	1. WET SCRAPE AND ENCAPSULATE 2. COVER WITH AN APPROPRIATE MATERIAL
	UPPER TRIM	3	WET SCRAPE AND PAINT	1. WET SCRAPE AND ENCAPSULATE 2. WRAP WITH ALUMINUM

NOTES ON THE RECOMMENDATIONS

1. If any renovation work is done to the above mentioned components it should be performed by properly trained individuals.
2. At the conclusion of the abatement or renovation activities, wipe testing should be performed as a clearance test to ensure that all work and cleaning has eliminated lead dust and debris.
3. All lead painted components require periodic re-evaluation and monitoring. Re-evaluation typically is scheduled on a bi-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.

9580 CARTER ROAD
MAIN FLOOR

SIDE C

GARAGE

ROOM
11

CL

ROOM
7

ROOM
9

ROOM
8

SIDE B

ROOM 6

CLOSET

SIDE D

CLOSET

ROOM 4

ROOM 5

ROOM
2

ROOM 3

CLOSET

ROOM 1

BASEMENT = ROOM 10

CLOSET

SIDE A

**Standard Reevaluation Schedule
(See Notes to Table)**

Schedule	Evaluation Results	Action Taken	Reevaluation Frequency	Visual Survey (by owner or owner's representative)
1	Combination risk assessment/inspection finds no leaded dust or soil and no lead-based paint	None	None	None
2	No lead-based paint hazards found during risk assessment conducted before hazard control or at clearance (hazards include dust and soil).	None	3 years	Annually and whenever information indicates a possible problem
3	The average of leaded dust levels on all floors, interior window sills, or window troughs sampled exceeds the applicable standard, but by less than a factor of 10.	A. Interim controls and/or hazard abatement (or mixture of the two), including, but not necessarily limited to, dust removal. This schedule does not include window replacement. B. Treatments specified in section A plus replacement of all windows with lead hazards C. Abatement of all lead-based paint using encapsulation or enclosure D. Removal of all lead-based paint	1 year, 2 years 1 year None None	Same as Schedule 2, except for encapsulants. The first visual survey of encapsulants should be done one month after clearance; the second should be done six months later and annually thereafter. Same as Schedule 3 above None
4	The average of leaded dust levels on all floors, interiors window sills, or window troughs sampled exceeds the applicable standard by a factor of 10 or more	A. Interim controls and/or hazard abatement (or mixture of the two), including, but not necessarily limited to, dust removal. This schedule does not include window replacement. B. Treatments specified in section A plus replacement of all windows with lead hazards C. Abatement of all lead-based paint using encapsulation or enclosure D. Removal of all lead-based paint	6 months, 1 year, 2 years 6 months 2 years None None	Same as Schedule 3 Same as Schedule 3 Same as Schedule 3 None
5	No leaded dust or leaded soil hazards identified, but lead-based paint or lead-based paint hazards are found.	A. Interim controls or mixture of interim controls and abatement (not including window replacement) B. Mixture of interim controls and abatement, including window replacement C. Abatement of all lead-based paint hazards, but not all lead-based paint D. Abatement of all lead-based paint using encapsulation or enclosure E. Removal of all lead-based paint	2 years 3 years 4 years None None	Same as Schedule 3 Same as Schedule 3 Same as Schedule 3 Same as Schedule 3
6	Bare leaded soil exceeds standard, but less than 5.000 μ g/g.	Interim controls	None	3 months to check new ground cover, then annually to identify new bare spots
7	Bare leaded soil greater than or equal to 5.000 μ g/g.	Abatement (paving or removal)	None	None for removal, annually to identify new bare spots or deterioration of paving

Notes to Standard Reevaluation Schedule:

1. When more than one schedule applies to a dwelling, use the one with the most stringent reevaluation schedule. Do not use the results of the reevaluation for Schedule 2.
2. A lead-based paint hazard includes, but is not limited to, deteriorated lead-based paint and leaded dust and soil above applicable standards.
3. The frequency of reevaluations and the interval between reevaluations depends on the findings at each reevaluation and the action taken. For example, a dwelling unit or common area falling under Schedule 3.A would be reevaluated 1 year after clearance. If no lead-based paint hazards are detected at that time, the unit or area would be reevaluated again 2 years after the first reevaluation. If no hazards are found in the second reevaluation, no further reevaluation is necessary, but annual visual monitoring should continue.

If, on the other hand, the unit or common area fails a reevaluation, a new reevaluation schedule should be determined based on the results of the reevaluation and the action taken. For instance, if the reevaluation finds deteriorated lead-based paint but no lead-contaminated dust, and the action taken is paint stabilization, Schedule 5.A would apply, which indicates that the next reevaluation should be in 2 years. If however, the owner of this same property decides to abate all lead-based paint hazards instead of doing only paint stabilization, the property would move to Schedule 5.C, which calls for reevaluation 4 years from the date of clearance after the hazard abatement.

Following another scenario, suppose a reevaluation of this same dwelling unit or common area finds that the average dust lead levels on sampled window troughs exceeds the applicable standard by a factor of 10 or more, but no other lead-based paint hazards. The owner conducts dust removal. In this case the next reevaluation would be 6 months after clearance followed by another a year later, followed by yet another 2 years later, as indicated by Schedule 4.A.

4. The initial evaluation results determine which reevaluation schedule should be applied. An initial evaluation can be a risk assessment, a combination inspection/risk assessment, or, if the owner has opted to bypass the initial evaluation and proceed directly to controlling suspected hazards, a combination risk assessment/clearance examination. This type of clearance must be conducted by a certified risk assessor, who should determine if all hazards were in fact controlled. The results of the initial clearance dust tests, soil sampling and visual examination should be used to determine the appropriate schedule. If repeated cleaning was necessary to achieve clearance, use the results of the dust tests before repeated cleaning was performed for schedule determination.
5. If a unit fails two consecutive reevaluations, the reevaluation interval should be reduced by half and the number of reevaluations should be doubled. If deteriorated lead-based paint hazards continue to occur, then the offending components/surfaces should be abated. If dwellings with dust hazards but no paint-related hazards repeatedly fail reevaluations, the exterior source should be identified (if identification efforts fail, regular dust removal efforts are needed).

ESTIMATED COSTS TO CORRECT

<u>Corrective Action</u>	<u>Cost Est.</u>	<u>Unit</u>
Remove and replace window sashes	\$450	Per window
Plane and encapsulate window sashes	\$150	Per window
Wet scrape and encapsulate window trim	\$75	Per window
Remove and replace door (interior)	\$350	Per door
Remove and replace door (exterior)	\$650	Per door
Wet scrape and encapsulate door	\$100	Per door
Wet scrape and encapsulate door trim	\$75	Per door
Wet scrape and encapsulate stairs	\$350	Per stairwell
Cover stair treads with vinyl	\$35	Per tread
Encapsulate interior painted surfaces	\$2.50	Square foot
Installation of exterior siding (inc. materials)	\$2.50	Square foot
Encapsulate exterior painted surfaces	\$3.50	Square foot
Soil preparation and cover	\$1250	Per house
Cleaning (interior)	\$100.00	Per room
Clearance	\$300.00	Per clearance

NOTE: The above prices are estimates only to give the owner an idea of the approximate costs to manage the lead hazards. The owner should have a qualified and trained contractor quote the job for an accurate cost before proceeding with any work.

APPENDIX A:

XRF & LABORATORY RESULTS

9580 Carter Road West, St. Helen

Index	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	ROOM	ROOM TYPE	INSPECTOR	Results	PbC	Units
1	2011-09-30 10:47										1.39 ± 0.00	cps
2	2011-09-30 10:47	CALIBRATE FRONT				Red				Positive	1.20 ± 0.20	mg / cm ^2
3	2011-09-30 10:47	CALIBRATE FRONT				White				Negative	0.00 ± 0.02	mg / cm ^2
4	2011-09-30 10:48	CALIBRATE FRONT				Yellow				Positive	2.90 ± 1.80	mg / cm ^2
5	2011-09-30 10:48	CALIBRATE FRONT				Yellow				Positive	2.90 ± 1.50	mg / cm ^2
6	2011-09-30 10:48	CALIBRATE FRONT				Yellow				Positive	3.80 ± 2.40	mg / cm ^2
7	2011-09-30 10:49	Wall	Drywall	A	FAIR	White	3	Bathroom	Erick Knuth	Negative	0.02 ± 0.09	mg / cm ^2
8	2011-09-30 10:49	Wall	Drywall	B	FAIR	White	3	Bathroom	Erick Knuth	Negative	0.04 ± 0.15	mg / cm ^2
9	2011-09-30 10:49	Wall	Drywall	C	FAIR	White	3	Bathroom	Erick Knuth	Negative	0.00 ± 0.02	mg / cm ^2
10	2011-09-30 10:49	Wall	Drywall	D	FAIR	White	3	Bathroom	Erick Knuth	Negative	0.02 ± 0.09	mg / cm ^2
11	2011-09-30 10:50	Win. Sash	Wood	D	FAIR	Varnish	3	Bathroom	Erick Knuth	Negative	0.02 ± 0.06	mg / cm ^2
12	2011-09-30 10:51	Door Jamb	Wood	B	FAIR	White	6	Kitchen	Erick Knuth	Negative	0.02 ± 0.05	mg / cm ^2
13	2011-09-30 10:53	Wall	Cinder Block	A	FAIR	Green	10	Basement	Erick Knuth	Negative	0.00 ± 0.02	mg / cm ^2
14	2011-09-30 10:54	Wall	Cinder Block	B	FAIR	Green	10	Basement	Erick Knuth	Negative	0.01 ± 0.02	mg / cm ^2
15	2011-09-30 10:54	Wall	Cinder Block	D	FAIR	Green	10	Basement	Erick Knuth	Negative	0.00 ± 0.02	mg / cm ^2
16	2011-09-30 10:55	Wall	Paneling	A	FAIR	Blue	11	Int. Garage	Erick Knuth	Negative	0.00 ± 0.02	mg / cm ^2
17	2011-09-30 10:56	Door	Wood	A	FAIR	White	11	Int. Garage	Erick Knuth	Negative	0.00 ± 0.02	mg / cm ^2
18	2011-09-30 10:56	Door Jamb	Wood	A	FAIR	White	11	Int. Garage	Erick Knuth	Negative	0.01 ± 0.03	mg / cm ^2
19	2011-09-30 10:57	Ext. Siding	Wood	A	FAIR	Grey		Exterior	Erick Knuth	Positive	1.20 ± 0.10	mg / cm ^2
20	2011-09-30 10:58	Ext. Door	Wood	A	FAIR	White		Exterior	Erick Knuth	Negative	0.28 ± 0.22	mg / cm ^2
21	2011-09-30 10:58	Ext. Door Jamb	Wood	A	FAIR	White		Exterior	Erick Knuth	Negative	0.00 ± 0.02	mg / cm ^2
22	2011-09-30 10:59	Ext. Door Casing	Wood	A	FAIR	Black		Exterior	Erick Knuth	Negative	0.00 ± 0.02	mg / cm ^2
23	2011-09-30 10:59	Ext. Window Sash	Wood	A	FAIR	White		Exterior	Erick Knuth	Negative	0.02 ± 0.05	mg / cm ^2
24	2011-09-30 10:59	Ext. Window Casing	Wood	A	FAIR	Black		Exterior	Erick Knuth	Negative	0.09 ± 0.14	mg / cm ^2
25	2011-09-30 11:00	Ext. Window Sill	Wood	A	FAIR	Black		Exterior	Erick Knuth	Negative	0.16 ± 0.24	mg / cm ^2
26	2011-09-30 11:01	Porch Ceiling	Wood	A	FAIR	Grey		Exterior	Erick Knuth	Positive	1.10 ± 0.10	mg / cm ^2
27	2011-09-30 11:03	Porch Upper Trim	Wood	A	FAIR	Grey		Exterior	Erick Knuth	Positive	2.10 ± 1.10	mg / cm ^2
28	2011-09-30 11:05	Ext. Soffit	Wood	A	FAIR	Grey		Exterior	Erick Knuth	Positive	1.30 ± 0.20	mg / cm ^2
29	2011-09-30 11:05	Ext. Facia	Wood	A	FAIR	Grey		Exterior	Erick Knuth	Negative	0.80 ± 0.20	mg / cm ^2
30	2011-09-30 11:06	Ext. Facia	Wood	A	FAIR	Grey		Exterior	Erick Knuth	Negative	0.60 ± 0.40	mg / cm ^2
31	2011-09-30 11:07	Ext. Siding	Wood	B	FAIR	Grey		Exterior	Erick Knuth	Positive	1.20 ± 0.20	mg / cm ^2
32	2011-09-30 11:07	Ext. Door Casing	Wood	B	FAIR	Black		Exterior	Erick Knuth	Negative	0.03 ± 0.07	mg / cm ^2
33	2011-09-30 11:07	Ext. Window Sash	Wood	B	FAIR	White		Exterior	Erick Knuth	Negative	0.01 ± 0.04	mg / cm ^2
34	2011-09-30 11:08	Ext. Window Casing	Wood	B	FAIR	Black		Exterior	Erick Knuth	Negative	0.04 ± 0.08	mg / cm ^2
35	2011-09-30 11:08	Ext. Window Sill	Wood	B	FAIR	Black		Exterior	Erick Knuth	Negative	0.08 ± 0.18	mg / cm ^2
36	2011-09-30 11:09	Porch Ceiling	Wood	B	FAIR	Grey		Exterior	Erick Knuth	Positive	2.10 ± 0.80	mg / cm ^2
37	2011-09-30 11:09	Porch Upper Trim	Wood	B	FAIR	Grey		Exterior	Erick Knuth	Null	1.50 ± 1.10	mg / cm ^2
38	2011-09-30 11:09	Porch Upper Trim	Wood	B	FAIR	Grey		Exterior	Erick Knuth	Negative	0.70 ± 0.30	mg / cm ^2
39	2011-09-30 11:10	Porch Upper Trim	Wood	B	FAIR	Grey		Exterior	Erick Knuth	Positive	1.20 ± 0.20	mg / cm ^2
40	2011-09-30 11:10	Ext. Soffit	Wood	B	FAIR	Grey		Exterior	Erick Knuth	Positive	1.50 ± 0.40	mg / cm ^2
41	2011-09-30 11:11	Ext. Facia	Wood	B	FAIR	Grey		Exterior	Erick Knuth	Positive	1.40 ± 0.40	mg / cm ^2
42	2011-09-30 11:12	Ext. OH Door	Wood	B	FAIR	Grey		Exterior	Erick Knuth	Negative	0.13 ± 0.20	mg / cm ^2

9580 Carter Road West, St. Helen

Index	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	ROOM	ROOM TYPE	INSPECTOR	Results	PbC	Units
43	2011-09-30 11:13	Ext. Door Casing	Wood	B	FAIR	Black		Exterior	Erick Knuth	Negative	0.90 ± 0.10	mg / cm ^2
44	2011-09-30 11:13	Ext. Door Jamb	Wood	B	FAIR	Black		Exterior	Erick Knuth	Negative	0.70 ± 0.30	mg / cm ^2
45	2011-09-30 11:14	Ext. Door Stop	Wood	B	FAIR	Black		Exterior	Erick Knuth	Negative	0.60 ± 0.30	mg / cm ^2
46	2011-09-30 11:14	Ext. Siding	Wood	C	FAIR	Grey		Exterior	Erick Knuth	Positive	1.50 ± 0.50	mg / cm ^2
47	2011-09-30 11:15	Ext. Window Sash	Wood	C	FAIR	White		Exterior	Erick Knuth	Negative	0.27 ± 0.39	mg / cm ^2
48	2011-09-30 11:15	Ext. Window Casing	Wood	C	FAIR	Black		Exterior	Erick Knuth	Negative	0.02 ± 0.05	mg / cm ^2
49	2011-09-30 11:15	Ext. Window Sill	Wood	C	POOR	Black		Exterior	Erick Knuth	Negative	0.10 ± 0.14	mg / cm ^2
50	2011-09-30 11:16	Ext. Door	Wood	D	FAIR	White		Exterior	Erick Knuth	Negative	0.09 ± 0.16	mg / cm ^2
51	2011-09-30 11:17	Ext. Door Jamb	Wood	D	FAIR	White		Exterior	Erick Knuth	Negative	0.05 ± 0.10	mg / cm ^2
52	2011-09-30 11:17	Ext. Door Casing	Wood	D	FAIR	Black		Exterior	Erick Knuth	Negative	0.01 ± 0.03	mg / cm ^2
53	2011-09-30 11:17	Ext. Siding	Wood	D	FAIR	Grey		Exterior	Erick Knuth	Positive	1.90 ± 0.80	mg / cm ^2
54	2011-09-30 11:18	Ext. Window Sash	Wood	D	FAIR	White		Exterior	Erick Knuth	Negative	0.02 ± 0.06	mg / cm ^2
55	2011-09-30 11:18	Ext. Window Casing	Wood	D	FAIR	Black		Exterior	Erick Knuth	Negative	0.03 ± 0.06	mg / cm ^2
56	2011-09-30 11:19	Ext. Window Sill	Wood	D	FAIR	Black		Exterior	Erick Knuth	Negative	0.28 ± 0.34	mg / cm ^2
57	2011-09-30 11:19	Ext. Bsmt. Sash	Wood	D	FAIR	White		Exterior	Erick Knuth	Negative	0.11 ± 0.26	mg / cm ^2
58	2011-09-30 11:20	CALIBRATE FRONT				Red				Negative	0.90 ± 0.10	mg / cm ^2
59	2011-09-30 11:21	CALIBRATE FRONT				White				Negative	0.00 ± 0.02	mg / cm ^2
60	2011-09-30 11:21	CALIBRATE FRONT				Yellow				Positive	3.30 ± 2.00	mg / cm ^2

ANALYTICAL LABORATORY REPORT

Thursday, October 6, 2011

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CUSTOMER: AAA Lead Inspections
P.O. Box 141014
Grand Rapids, MI 49514

DATE RECEIVED: Monday, October 3, 2011
PO/PROJECT #:
SUBMITTAL #: 2011-10-03-016

LAB NUMBER: AB12321

Sampled By: Erick Knuth
Job Location: 9580 Carter Rd. W., ST. Helen
Sample Identification: DW-1 - room 1 - floor

Date Sampled: Friday, September 30, 2011
Sample Description: Dust Wipes

Preparation Method: EPA 600/R-93/200M-W (Metals in Surface Wipe Samples, Sonication)

Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)

Date Analyzed: Tuesday, October 4, 2011

*Sample Area: 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	- < RL	5.0 ug/ft ²

*Based on sampling information supplied by the client.

LAB NUMBER: AB12322

Sampled By: Erick Knuth
Job Location: 9580 Carter Rd. W., ST. Helen
Sample Identification: DW-2 - room 1 - sill (A)

Date Sampled: Friday, September 30, 2011
Sample Description: Dust Wipes

Preparation Method: EPA 600/R-93/200M-W (Metals in Surface Wipe Samples, Sonication)

Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)

Date Analyzed: Tuesday, October 4, 2011

*Sample Area: 0.46 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	13 ug	5.0 ug	27ug/ft ²	11 ug/ft ²

*Based on sampling information supplied by the client.

LAB NUMBER: AB12323

Sampled By: Erick Knuth
Job Location: 9580 Carter Rd. W., ST. Helen
Sample Identification: DW-3 - room 3 - floor

Date Sampled: Friday, September 30, 2011
Sample Description: Dust Wipes

Preparation Method: EPA 600/R-93/200M-W (Metals in Surface Wipe Samples, Sonication)

Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)

Date Analyzed: Tuesday, October 4, 2011

*Sample Area: 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	- < RL	5.0 ug/ft ²

*Based on sampling information supplied by the client.

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ANALYTICAL LABORATORY REPORT

Thursday, October 6, 2011

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CUSTOMER: AAA Lead Inspections
P.O. Box 141014
Grand Rapids, MI 49514

DATE RECEIVED: Monday, October 3, 2011
PO/PROJECT #:
SUBMITTAL #: 2011-10-03-016

LAB NUMBER: AB12324

Sampled By: Erick Knuth
Job Location: 9580 Carter Rd. W., ST. Helen
Sample Identification: DW-4 - room 3 - trough (D)

Date Sampled: Friday, September 30, 2011
Sample Description: Dust Wipes

Preparation Method: EPA 600/R-93/200M-W (Metals in Surface Wipe Samples, Sonication)

Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)

Date Analyzed: Tuesday, October 4, 2011

*Sample Area: 0.29 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	38 ug	5.0 ug	130ug/ft ²	17 ug/ft ²

*Based on sampling information supplied by the client.

LAB NUMBER: AB12325

Sampled By: Erick Knuth
Job Location: 9580 Carter Rd. W., ST. Helen
Sample Identification: DW-5 - room 4 - floor

Date Sampled: Friday, September 30, 2011
Sample Description: Dust Wipes

Preparation Method: EPA 600/R-93/200M-W (Metals in Surface Wipe Samples, Sonication)

Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)

Date Analyzed: Tuesday, October 4, 2011

*Sample Area: 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	- < RL	5.0 ug/ft ²

*Based on sampling information supplied by the client.

LAB NUMBER: AB12326

Sampled By: Erick Knuth
Job Location: 9580 Carter Rd. W., ST. Helen
Sample Identification: DW-6 - room 4 - sill (C)

Date Sampled: Friday, September 30, 2011
Sample Description: Dust Wipes

Preparation Method: EPA 600/R-93/200M-W (Metals in Surface Wipe Samples, Sonication)

Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)

Date Analyzed: Tuesday, October 4, 2011

*Sample Area: 0.46 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	22 ug	5.0 ug	48ug/ft ²	11 ug/ft ²

*Based on sampling information supplied by the client.

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ANALYTICAL LABORATORY REPORT

Thursday, October 6, 2011

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CUSTOMER: AAA Lead Inspections
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Grand Rapids, MI 49514

DATE RECEIVED: Monday, October 3, 2011
PO/PROJECT #:
SUBMITTAL #: 2011-10-03-016

LAB NUMBER: ABI2327

Sampled By: Erick Knuth
Job Location: 9580 Carter Rd. W., ST. Helen
Sample Identification: DW-7 - room 5 - floor

Date Sampled: Friday, September 30, 2011
Sample Description: Dust Wipes

Preparation Method: EPA 600/R-93/200M-W (Metals in Surface Wipe Samples, Sonication)

Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)

Date Analyzed: Tuesday, October 4, 2011

*Sample Area: 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	6.0 ug	5.0 ug	6.0ug/ft ²	5.0 ug/ft ²

*Based on sampling information supplied by the client.

LAB NUMBER: ABI2328

Sampled By: Erick Knuth
Job Location: 9580 Carter Rd. W., ST. Helen
Sample Identification: DW-8 - room 5 - trough (C)

Date Sampled: Friday, September 30, 2011
Sample Description: Dust Wipes

Preparation Method: EPA 600/R-93/200M-W (Metals in Surface Wipe Samples, Sonication)

Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)

Date Analyzed: Tuesday, October 4, 2011

*Sample Area: 0.29 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	25 ug	5.0 ug	88ug/ft ²	17 ug/ft ²

*Based on sampling information supplied by the client.

LAB NUMBER: AB12329

Sampled By: Erick Knuth
Job Location: 9580 Carter Rd. W., ST. Helen
Sample Identification: DW-9 - room 6 - floor

Date Sampled: Friday, September 30, 2011
Sample Description: Dust Wipes

Preparation Method: EPA 600/R-93/200M-W (Metals in Surface Wipe Samples, Sonication)

Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)

Date Analyzed: Tuesday, October 4, 2011

*Sample Area: 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	5.7 ug	5.0 ug	5.7ug/ft ²	5.0 ug/ft ²

*Based on sampling information supplied by the client.

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ANALYTICAL LABORATORY REPORT

Thursday, October 6, 2011

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CUSTOMER: AAA Lead Inspections
P.O. Box 141014
Grand Rapids, MI 49514

DATE RECEIVED: Monday, October 3, 2011
PO/PROJECT #:
SUBMITTAL #: 2011-10-03-016

LAB NUMBER: AB12330

Sampled By: Erick Knuth
Job Location: 9580 Carter Rd. W., ST. Helen
Sample Identification: DW-10 - room 6 - sill (B)

Date Sampled: Friday, September 30, 2011
Sample Description: Dust Wipes

Preparation Method: EPA 600/R-93/200M-W (Metals in Surface Wipe Samples, Sonication)

Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)

Date Analyzed: Tuesday, October 4, 2011

*Sample Area: 0.46 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	7.5 ug	5.0 ug	16ug/ft ²	11 ug/ft ²

*Based on sampling information supplied by the client.

LAB NUMBER: AB12331

Sampled By: Erick Knuth
Job Location: 9580 Carter Rd. W., ST. Helen
Sample Identification: DW-11 - room 8 - floor

Date Sampled: Friday, September 30, 2011
Sample Description: Dust Wipes

Preparation Method: EPA 600/R-93/200M-W (Metals in Surface Wipe Samples, Sonication)

Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)

Date Analyzed: Tuesday, October 4, 2011

*Sample Area: 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	12 ug	5.0 ug	12ug/ft ²	5.0 ug/ft ²

*Based on sampling information supplied by the client.

LAB NUMBER: AB12332

Sampled By: Erick Knuth
Job Location: 9580 Carter Rd. W., ST. Helen
Sample Identification: DW-12 - room 8 - trough (D)

Date Sampled: Friday, September 30, 2011
Sample Description: Dust Wipes

Preparation Method: EPA 600/R-93/200M-W (Metals in Surface Wipe Samples, Sonication)

Analysis Method: EPA 6010C (ICP-AES Method for Determination of Metals)

Date Analyzed: Tuesday, October 4, 2011

*Sample Area: 0.29 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	54 ug	5.0 ug	190ug/ft ²	17 ug/ft ²

*Based on sampling information supplied by the client.

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ANALYTICAL LABORATORY REPORT

Thursday, October 6, 2011

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CUSTOMER: AAA Lead Inspections
P.O. Box 141014
Grand Rapids, MI 49514

DATE RECEIVED: Monday, October 3, 2011
PO/PROJECT #:
SUBMITTAL #: 2011-10-03-016

LAB NUMBER: AB12333

Sampled By: Erick Knuth
Job Location: 9580 Carter Rd. W., ST. Helen
Sample Identification: DW-13 - blank

Date Sampled: Friday, September 30, 2011
Sample Description: Dust Wipes

Preparation Method: EPA 600/R-93/200M-W (Metals in Surface Wipe Samples, Sonication)**Analysis Method:** EPA 6010C (ICP-AES Method for Determination of Metals)**Date Analyzed:** Tuesday, October 4, 2011***Sample Area:** N/A

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	- N/A	- N/A

*Based on sampling information supplied by the client.

LAB NUMBER: AB12334

Sampled By: Erick Knuth
Job Location: 9580 Carter Rd. W., ST. Helen
Sample Identification: SS-1 - Perimeter Composite

Date Sampled: Friday, September 30, 2011
Sample Description: Soil

Preparation Method: EPA 3050B-S-M (Acid Digestion for Soils)**Analysis Method:** EPA 6010C (ICP-AES Method for Determination of Metals)**Date Analyzed:** Wednesday, October 5, 2011

ELEMENT	RESULT (by weight)	REPORTING LIMIT (RL)
Lead	< RL	10 mg/Kg

Unless otherwise noted, the condition of each sample was acceptable upon receipt, all laboratory quality control requirements were met, and sample results have not been adjusted based on field blank or other analytical blank results.

Tests Reviewed By: Rebecca M. Walcott, Senior Analyst

Rebecca M. Walcott
2011.10.06 21:33:48
-04'00'

Corrosion Control Consultants & Labs, Inc. is AIHA accredited in the Environmental Lead Program for paint, soil, dust wipes, and air; and in the Industrial Hygiene Program for metals in air.

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Individual sample results relate only to the sample as received by the laboratory.

CHAIN OF CUSTODY FORM

FOR LABOR ONLY

Send To:

Corrosion Control Consultants & Labs, Inc. a GPI company

4403 Donker Ct Kentwood MI 49512-4054

ph: 616-940-3112 fx: 616-940-8139 web-sites: www.ccclabs.com www.gpinet.com

Properly Contained	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	N/A
ASTM E1792 wipes	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	N/A
Adequate Cooling	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Adequate pH Adjustment	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Lab Acidified: By/Date	N/A		

Company: AAA Lead Inspections		Address:	Company Contact:	P.O. /Proj. #:
			Telephone:	Job Location: 9580 CARTER RD. W, ST. HELEN
MATRIX		Total Metals:	Turnaround Time:	
<input type="checkbox"/> PAINT CHIPS	<input checked="" type="checkbox"/> Lead	<input type="checkbox"/> Other	<input type="checkbox"/> Same Day* <input type="checkbox"/> Other <input checked="" type="checkbox"/> Rush (1 day)** *additional fees apply <input checked="" type="checkbox"/> Standard (2-4 days) **no additional charge	
<input checked="" type="checkbox"/> SOIL			Special Instructions:	
<input checked="" type="checkbox"/> WIPE				

CCC&L accepts Visa, MasterCard, and American Express. Please call for information.

CCC&L Lab No	Sample Number	Date/Time Sampled	Sample Identification/Location	Wipe Area ft ²	Comments
A3 12321	DW-1	9-30-11	Room 1 Floor	1.0	
12322	2		" SILL (A)	.46	
12323	3		Room 3 Floor	1.0	
12324	4		" TROUGH (D)	.29	
12325	5		Room 4 Floor	1.0	
12326	6		" SILL (C)	.46	
12327	7		Room 5 Floor	1.0	
12328	8		" TROUGH (C)	.29	
12329	9		Room 6 Floor	1.0	
12330	10		" SILL (B)	.46	
12331	11		Room 8 Floor	1.0	
12332	12		" TROUGH (D)	.29	
12333	13		BLANK		
12334	SS-1		PERIMETER COMPOSITE		

Sampled By: ERICK KNUTH
(Please print)

Date Submitted: 9-30-11

Signature:

Received by:

Date/Time: _____

Relinquished Date/Time: _____

Form 54

Received for Lab by:

Date/Time: 10/3/11 15:59

Courier: 2011-10-03-016 7/17/06 Rev

10/3/11