

CHEROKEE NATION
Environmental Programs



Lead-Based Paint Inspection Report

PARTICIPANT: PARNELL, GALEN

PREPARED BY: NICK CLARK, ENVIRONMENTAL SPECIALIST IV

REQUESTED BY: HACN HOUSING REHABILITATION – JAMIE WALTERS

I. GENERAL INFORMATION

DATE OF INSPECTION: March 31, 2020

PARTICIPANT INFO:

Name: Galen Parnell
Phone: 918-373-5900
Address: 25425 S. 4120 Rd. Claremore, OK 74019
Latitude: N36.242526 Longitude: W-95.672660
Home constructed in 1948

EQUIPMENT INFORMATION

X-Ray Fluorescence (XRF) Analyzer
Manufacturer: Heuresis
Model #: Pb200i
Serial Number: 2312
Radioactive Source: Cobalt 57
Sourced Date: 6/1/19

INSPECTOR INFORMATION

Nick Clark, Environmental Specialist IV
Cherokee Nation Environmental Programs
PO Box 948, Tahlequah, OK 74465
(918) 453-5000 ext.7607
Oklahoma Inspector/Risk Assessor, OKRASR13910
Cherokee Nation Inspector/Risk Assessor, CNRASR00036

Cherokee Nation Environmental Programs
PO Box 948, Tahlequah, OK 74465
(918) 453-5009
Oklahoma Firm: OKFIRM11198
Cherokee Nation Firm: CNFIRM00001

This residence has tested positive for lead-based paint. A risk assessment must be completed before rehab work is started.

Inspector

Signature: C. Nick Clark Date: 4-14-21

2. SUMMARY

A lead based paint inspection was conducted at the Galen Parnell site on March 31, 2021 as requested by the Cherokee Nation Housing Rehabilitation Department. The inspection **confirmed the presence of lead** in amounts greater than or equal to 1.0 mg/cm² in paint, using the inspection protocol in Chapter 7 of the HUD Guidelines for the Evaluation of Control of Lead-Based Paint Hazards in Housing (1997). The locations that tested positive for lead are shown in Attachment A (Results). Locations that were not tested with XRF and are assumed to be positive are:

- 1) N/A

DISCLOSURE

A copy of this report or a summary of this report must be provided to new lessees (tenants) and purchasers of the 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 new purchasers and it must be made available to new tenants. Landlords (lessors) and sellers are also required to distribute an educational pamphlet approved by the US Environmental Protection Agency 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.

PROTOCOL

The testing protocol used to perform this testing is based on the HUD guidelines of 1997 titled: Guidelines for the evaluation of Lead-Based Paint Hazards in Housing.

Perimeter wall sides are identified with the letters A, B, C, and D. Side A for single-family housing is the street address side or the front of the house for rural areas. Side B, C, and D are identified clockwise from side A as one faces the dwelling; thus Wall B is to the left, Wall C is across from Side A, and Side D is to the right of Side A.

Sides in an interior room equivalent follow the overall housing unit side allocation. Therefore when standing in any four sided room facing Side C, the room's Side A will always be to the rear, Side B will be to the left, and Side D will be to the right.

After doing a walk through inspection of the residence to be tested based upon room number, building component types, the residence was tested based upon room number, building component, substrate, and color and condition of painted surfaces. The attached Lead-Based Paint Data Sheet gives the final results as being either positive or negative.

Read	Conce	Units	3 SD	Result	Nom	Secs	Date	Time	Room	-->RoomChoice	Structure	-->Member	Substrate	Wall	Cond.
1	1.12	mg/cm2	0.08			14.76	3/31/2021	13:07:22	Calibration					4	4
2	1.08	mg/cm2	0.07			20.02	3/31/2021	13:09:03	Calibration					5	5
3	1.05	mg/cm2	0.07			20.04	3/31/2021	13:11:14	Calibration					6	6
4	0.09	mg/cm2	0.18			2.83	3/31/2021	13:16:22	Exterior	House	Door	---	Metal1	A1	Intact
5	0	mg/cm2	0.3	Negative		2	3/31/2021	13:16:53	Exterior	House	Door	---	Metal2	A2	Intact
6	-0.1	mg/cm2	0.3	Negative		2	3/31/2021	13:17:15	Exterior	House	Door	Casing	Wood1	A3	Intact
7	0	mg/cm2	0.3	Negative		2	3/31/2021	13:17:56	Exterior	House	Porch	Column	Wood2	A4	Intact
8	0.2	mg/cm2	0.3	Negative		2	3/31/2021	13:18:25	Exterior	House	Room	Wall	Wood3	A5	Intact
9	-0.1	mg/cm2	0.3	Negative		2	3/31/2021	13:18:57	Exterior	House	Window	Apron	Wood4	A6	Intact
10	0.2	mg/cm2	0.3	Negative		2	3/31/2021	13:19:55	Exterior	Porch	Room	Ceiling	Wood5	A7	Intact
11	0.3	mg/cm2	0.3	Negative		2	3/31/2021	13:20:42	Exterior	House	Room	Wall	Wood6	B1	Intact
12	0.1	mg/cm2	0.3	Negative		2	3/31/2021	13:21:09	Exterior	House	Window	Apron	Wood7	B2	Intact
13	0.1	mg/cm2	0.3	Negative		2	3/31/2021	13:21:31	Exterior	House	Window	Apron	Wood8	B3	Intact
14	0.1	mg/cm2	0.3	Negative		2	3/31/2021	13:22:01	Exterior	House	Window	Apron	Wood9	C1	Intact
15	0.1	mg/cm2	0.3	Negative		2	3/31/2021	13:22:23	Exterior	House	Window	Apron	Wood10	C2	Intact
16	0.2	mg/cm2	0.3	Negative		2	3/31/2021	13:22:54	Exterior	House	Room	Wall	Wood11	C3	Intact
17	0.2	mg/cm2	0.3	Negative		2	3/31/2021	13:23:35	Exterior	House	Room	Wall	Wood12	D1	Intact
18	0	mg/cm2	0.3	Negative		2	3/31/2021	13:24:08	Exterior	House	Window	Stop	Wood13	D2	Intact
19	0.1	mg/cm2	0.3	Negative		2	3/31/2021	13:24:35	Exterior	House	Window	Stop	Wood14	D3	Intact
20	0	mg/cm2	0.3	Negative		2	3/31/2021	13:25:57	Exterior	House	Soffit		Wood15	A1	Intact
21	0.1	mg/cm2	0.3	Negative		2	3/31/2021	13:26:38	Exterior	House	Soffit		Wood16	A2	Intact
22	-0.1	mg/cm2	0.3	Negative		2	3/31/2021	13:27:42	Exterior	House	Fascia		Wood17	A3	Intact
23	3	mg/cm2	0.3	Positive		2	3/31/2021	13:28:37	Exterior	House	Fascia		Wood18	A4	Chipping
24	3.7	mg/cm2	0.3	Positive		2	3/31/2021	13:29:20	Exterior	House	Soffit		Wood19	A5	Chipping
25	6.7	mg/cm2	0.3	Positive		2	3/31/2021	13:30:15	Exterior	House	Soffit		Wood20	B1	Chipping
26	2.9	mg/cm2	0.3	Positive		2	3/31/2021	13:30:47	Exterior	House	Fascia		Wood21	B2	Chipping
27	0	mg/cm2	0.3	Negative		2	3/31/2021	13:31:43	Exterior	House	Fascia		Wood22	C1	Intact
28	0.1	mg/cm2	0.3	Negative		2	3/31/2021	13:32:17	Exterior	House	Soffit		Wood23	C2	Intact
29	3.3	mg/cm2	0.3	Positive		2	3/31/2021	13:33:23	Exterior	House	Soffit		Wood24	D1	Chipping
30	1	mg/cm2	0.2	Positive		5	3/31/2021	13:33:57	Exterior	House	Fascia		Wood25	D2	Chipping
31	0.4	mg/cm2	0.3	Negative		2	3/31/2021	13:44:46	House	Living Room	Room	Wall	Drywall1	A1	Intact
32	0.4	mg/cm2	0.3	Negative		2	3/31/2021	13:45:12	House	Living Room	Room	Wall	Drywall2	B1	Intact

33	0.4 mg/cm2	0.3 Negative	2	3/31/2021	13:45:34	House	Living Room	Room	Wall	Drywall3	C1	Intact
34	0.4 mg/cm2	0.3 Negative	2	3/31/2021	13:45:57	House	Living Room	Room	Wall	Drywall4	D1	Intact
35	0.1 mg/cm2	0.3 Negative	2	3/31/2021	13:46:34	House	Living Room	Room	Ceiling	Drywall5	1	Intact
36	0.1 mg/cm2	0.3 Negative	2	3/31/2021	13:47:17	House	Living Room	Door	---	Metal1	A1	Intact
37	-0.1 mg/cm2	0.3 Negative	2	3/31/2021	13:47:41	House	Living Room	Door	Trim	Metal2	A2	Intact
38	0 mg/cm2	0.3 Negative	2	3/31/2021	13:48:30	House	Living Room	Window	Sill	Metal3	A3	Intact
39	0.3 mg/cm2	0.3 Negative	2	3/31/2021	13:49:28	House	Living Room	Room	Baseboard	Wood1	B1	Intact
40	0.7 mg/cm2	0.2 Negative	4	3/31/2021	13:50:02	House	Bedroom 1	Room	Baseboard	Wood2	A1	Intact
41	0.2 mg/cm2	0.3 Negative	2	3/31/2021	13:50:43	House	Bedroom 1	Room	Wall	Wood3	A2	Intact
42	0.3 mg/cm2	0.3 Negative	2	3/31/2021	13:51:16	House	Bedroom 1	Room	Wall	Wood4	B1	Intact
43	0.2 mg/cm2	0.3 Negative	2	3/31/2021	13:51:42	House	Bedroom 1	Room	Wall	Wood5	C1	Intact
44	0.2 mg/cm2	0.3 Negative	2	3/31/2021	13:52:12	House	Bedroom 1	Room	Wall	Wood6	D1	Intact
45	0.2 mg/cm2	0.3 Negative	2	3/31/2021	13:52:56	House	Bedroom 1	Room	Ceiling	Wood7	1	Intact
46	0.1 mg/cm2	0.3 Negative	2	3/31/2021	13:53:58	House	Bedroom 1	Door	---	Wood8	D1	Intact
47	0.1 mg/cm2	0.3 Negative	2	3/31/2021	13:55:02	House	Bedroom 1	Room	Crown Molding	Wood9	A1	Intact
48	0 mg/cm2	0.3 Negative	2	3/31/2021	13:55:45	House	Bedroom 1	Window	Sill	Wood10	B1	Intact
49	0.3 mg/cm2	0.3 Negative	2	3/31/2021	13:56:44	House	Bathroom 1	Room	Wall	Drywall1	A1	Intact
50	0.2 mg/cm2	0.3 Negative	2	3/31/2021	13:57:08	House	Bathroom 1	Room	Wall	Drywall2	B1	Intact
51	0.2 mg/cm2	0.3 Negative	2	3/31/2021	13:57:30	House	Bathroom 1	Room	Wall	Drywall3	C1	Intact
52	0 mg/cm2	0.3 Negative	2	3/31/2021	13:57:59	House	Bathroom 1	Room	Wall	Drywall4	D1	Intact
53	0.1 mg/cm2	0.3 Negative	2	3/31/2021	13:58:31	House	Bathroom 1	Room	Ceiling	Drywall5	1	Intact
54	0.1 mg/cm2	0.3 Negative	2	3/31/2021	13:59:05	House	Bathroom 1	Door	---	Wood1	B1	Intact
55	0.1 mg/cm2	0.3 Negative	2	3/31/2021	13:59:30	House	Bathroom 1	Door	Casing	Wood2	B2	Intact
56	0.2 mg/cm2	0.3 Negative	2	3/31/2021	14:00:12	House	Bathroom 1	Cabinets	Door	Wood3	C1	Intact
57	0.1 mg/cm2	0.3 Negative	2	3/31/2021	14:00:38	House	Bathroom 1	Cabinets	Frame	Wood4	C2	Intact
58	0.2 mg/cm2	0.3 Negative	2	3/31/2021	14:01:26	House	Bedroom 2	Room	Wall	Drywall1	A1	Intact
59	0.2 mg/cm2	0.3 Negative	2	3/31/2021	14:01:49	House	Bedroom 2	Room	Wall	Drywall2	B1	Intact
60	0.3 mg/cm2	0.3 Negative	2	3/31/2021	14:02:16	House	Bedroom 2	Room	Wall	Drywall3	C1	Intact
61	0.2 mg/cm2	0.3 Negative	2	3/31/2021	14:02:39	House	Bedroom 2	Room	Wall	Drywall4	D1	Intact
62	0.1 mg/cm2	0.3 Negative	2	3/31/2021	14:03:07	House	Bedroom 2	Room	Ceiling	Drywall5	1	Intact
63	0.2 mg/cm2	0.3 Negative	2	3/31/2021	14:03:39	House	Bedroom 2	Door	---	Wood1	D1	Intact
64	0.6 mg/cm2	0.3 Negative	3	3/31/2021	14:04:03	House	Bedroom 2	Door	Casing	Wood2	D2	Intact
65	0.2 mg/cm2	0.3 Negative	2	3/31/2021	14:04:53	House	Bedroom 2	Room	Baseboard	Wood3	A1	Intact

66	0.1 mg/cm2	0.3 Negative	2	3/31/2021	14:05:21	House	Bedroom 2	Window	Sill	Wood4	B1	Intact
67	0.1 mg/cm2	0.3 Negative	2	3/31/2021	14:08:26	House	Laundry Room	Room	Wall	Drywall1	A1	Intact
68	0.2 mg/cm2	0.3 Negative	2	3/31/2021	14:08:48	House	Laundry Room	Room	Wall	Drywall2	B1	Intact
69	0.1 mg/cm2	0.3 Negative	2	3/31/2021	14:09:18	House	Laundry Room	Room	Wall	Drywall3	C1	Intact
70	0.1 mg/cm2	0.3 Negative	2	3/31/2021	14:09:42	House	Laundry Room	Room	Wall	Drywall4	D1	Intact
71	-0.1 mg/cm2	0.3 Negative	2	3/31/2021	14:10:29	House	Laundry Room	Room	Baseboard	Drywall5	B1	Intact
72	0.2 mg/cm2	0.3 Negative	2	3/31/2021	14:11:13	House	Laundry Room	Room	Ceiling	Drywall6	1	Intact
73	0.1 mg/cm2	0.3 Negative	2	3/31/2021	14:11:44	House	Laundry Room	Door	---	Metal1	B1	Intact
74	0 mg/cm2	0.3 Negative	2	3/31/2021	14:12:16	House	Laundry Room	Door	Casing	Wood1	B2	Intact
75	0.1 mg/cm2	0.3 Negative	2	3/31/2021	14:13:00	House	Laundry Room	Window	Sill	Wood2	B3	Intact
76	0.1 mg/cm2	0.3 Negative	2	3/31/2021	14:15:03	House	Kitchen	Room	Wall	Drywall1	A1	Intact
77	0.2 mg/cm2	0.3 Negative	2	3/31/2021	14:15:25	House	Kitchen	Room	Wall	Drywall2	B1	Intact
78	0.2 mg/cm2	0.3 Negative	2	3/31/2021	14:15:50	House	Kitchen	Room	Wall	Drywall3	C1	Intact
79	0 mg/cm2	0.3 Negative	2	3/31/2021	14:16:22	House	Kitchen	Room	Wall	Drywall4	D1	Intact
80	0.2 mg/cm2	0.3 Negative	2	3/31/2021	14:16:53	House	Kitchen	Room	Ceiling	Drywall5	1	Intact
81	0.1 mg/cm2	0.3 Negative	2	3/31/2021	14:17:28	House	Kitchen	Room	Crown	Wood1	B1	Intact
82	0.5 mg/cm2	0.3 Negative	2	3/31/2021	14:18:03	House	Kitchen	Room	Molding	Wood2	B2	Intact
83	0.4 mg/cm2	0.3 Negative	2	3/31/2021	14:18:41	House	Kitchen	Door	Baseboard	Wood3	B3	Intact
84	0.1 mg/cm2	0.3 Negative	2	3/31/2021	14:19:23	House	Kitchen	Cabinets	Door	Wood4	D1	Intact
85	0.2 mg/cm2	0.3 Negative	2	3/31/2021	14:19:47	House	Kitchen	Cabinets	Frame	Wood5	D2	Intact
86	0.1 mg/cm2	0.3 Negative	2	3/31/2021	14:20:56	House	Bedroom 3	Room	Wall	Drywall1	A1	Intact
87	0.1 mg/cm2	0.3 Negative	2	3/31/2021	14:21:25	House	Bedroom 3	Room	Wall	Drywall2	B1	Intact
88	0.2 mg/cm2	0.3 Negative	2	3/31/2021	14:22:01	House	Bedroom 3	Room	Wall	Drywall3	C1	Intact
89	0.1 mg/cm2	0.3 Negative	2	3/31/2021	14:22:27	House	Bedroom 3	Room	Wall	Drywall4	D1	Intact
90	0 mg/cm2	0.3 Negative	2	3/31/2021	14:22:58	House	Bedroom 3	Room	Ceiling	Drywall5	1	Intact
91	0 mg/cm2	0.3 Negative	2	3/31/2021	14:24:41	House	Bedroom 3	Door	---	Wood1	B1	Intact
92	0.1 mg/cm2	0.3 Negative	2	3/31/2021	14:25:15	House	Bedroom 3	Door	Casing	Wood2	B2	Intact
93	0.1 mg/cm2	0.3 Negative	2	3/31/2021	14:25:48	House	Bedroom 3	Window	Sill	Wood3	B3	Intact
94	0.1 mg/cm2	0.3 Negative	2	3/31/2021	14:27:38	House	Bedroom 4	Room	Wall	Drywall1	A1	Intact
95	0.2 mg/cm2	0.3 Negative	2	3/31/2021	14:28:03	House	Bedroom 4	Room	Wall	Drywall2	B1	Intact
96	0.2 mg/cm2	0.3 Negative	2	3/31/2021	14:28:25	House	Bedroom 4	Room	Wall	Drywall3	C1	Intact
97	0.2 mg/cm2	0.3 Negative	2	3/31/2021	14:28:51	House	Bedroom 4	Room	Wall	Drywall4	D1	Intact
98	0.1 mg/cm2	0.3 Negative	2	3/31/2021	14:29:19	House	Bedroom 4	Room	Ceiling	Drywall5	1	Intact

99	3 mg/cm2	0.3 Positive	2	3/31/2021	14:29:48	House	Bedroom 4	Door	---	Wood1	C1	Chalking
100	0.1 mg/cm2	0.3 Negative	2	3/31/2021	14:30:17	House	Bedroom 4	Door	Casing	Wood2	C2	Intact
101	-0.1 mg/cm2	0.3 Negative	2	3/31/2021	14:31:03	House	Bedroom 4	Window	Sill	Wood3	A1	Intact
102	1.09 mg/cm2	0.07	20.08	3/31/2021	14:33:25		Calibration				1	1
103	1.07 mg/cm2	0.07	20.09	3/31/2021	14:35:21		Calibration				2	2
104	1.08 mg/cm2	0.07	20.05	3/31/2021	14:37:19		Calibration				3	3

Lead-Based Paint Risk Assessment Report

For the Dwelling Located at:

Galen Parnell
25425 S. 4120 Rd.
Claremore, OK 74019
36.242526 N, 95.972660 W
Built in: 1948

Prepared For:

Cherokee Nation Housing Rehabilitation
Using ODEQ, EPA and CN Work Practice Standards
Established in 40 CFR 745-227

Lab Analysis by Quantem Laboratories

AIHA-ELLAP 101352
2033 Heritage Park Dr.
Oklahoma City, OK
(405) 775-7272

By:

C. Nick Clark, Certified Risk Assessor

P.O. Box 948
Tahlequah, OK 74465
(918) 316-7451
Heuresis Pb200i
SN: 2312

Signature: C. Nick Clark

Date: 4-14-21

OK Firm No.: OKFIRM11198
CN Firm No.: CNFIRM00001

OK License No.: OKRASR13910
CN License No.: CNRASR00036

Table of Contents

Part I: Identifying Information

Identity of dwelling(s) covered by report, identity of property(ies).

1. Risk Assessor, Name of Certificate (or License) and Number and State issuing certificate/license.
2. Property Owner Name, Address, and Phone Number.
3. Date of Report, Date of Environmental Sampling.

Part II: Completed Management, Maintenance, and Environmental Results Forms and Analyses

4. List of Location and Type of Identified Lead Hazards including and indication of which hazards are priorities (this summary should be suitable for use as notification to residents).
5. Optional Management Information (Form 5.6) (not required if all dwellings were sampled).
6. Maintenance/Paint Condition Information (Form 5.2 or 5.7)
7. Building Condition (Form 5.1)
8. Brief Narrative Description of Dwelling Selection Process (not required if all dwellings were sampled).
9. Analysis of Previous XRF Testing Report (if applicable).
10. Deteriorated Paint Sampling Results (Form 5.3 or 5.3a)
11. Dust Sampling Results (Form 5.4 or 5.4a)
12. Soil Sampling Results (Form 5.5)
13. Other Sampling Results (if applicable)

Part III: Lead Hazard Control Plan

14. Lead-Based Paint Policy Statement (not applicable for homeowners).
15. Name of individual in Charge of Lead-Based Paint Hazard Control Program.
16. Recommended Changes to Work Order System and Property Management (optional, not applicable for homeowners or property owner without work order systems).
17. Acceptable Interim Control Options for This Property and Estimated Costs.
18. Acceptable Abatement Options for This Property.
19. Reevaluation Schedule (if applicable).
20. Interim Control/Abatement to Be Implemented in This Property.
21. A Training Plan for Managers, Maintenance Supervisors, and Workers (this should include named individuals), if applicable.
22. Method of Resident Notification of Results of Risk Assessment and Lead Hazard Control Program (not applicable for homeowners). Note: This section should include a discussion of how residents are to be educated about lead poisoning, *before* the risk assessment results are released.
23. Signature (Risk Assessor) and Date.
24. All laboratory raw data.

Part IV: Appendix

Part I: Identifying Information

Galen Parnell
25425 S. 4120 Rd. Claremore, OK 74019
918-373-5900
36.242526 N, -95.672660 W
Built in: 1948

Part II: Results

List of location and type of identified lead hazards:

Deteriorated Lead-Based Paint (Hazards):

Read	Conce	Units	3SD	Result	Nom Secs	Date	Time	Room	-->RoomChoice	Structure	-->Membe	Substrate	Wall Cond.
23	3	mg/cm2	0.3	Positive	2	3/31/2021	13:28:37	Exterior House		Fascia		Wood18	A4 Chipping
24	3.7	mg/cm2	0.3	Positive	2	3/31/2021	13:29:20	Exterior House		Soffit		Wood19	A5 Chipping
25	6.7	mg/cm2	0.3	Positive	2	3/31/2021	13:30:15	Exterior House		Soffit		Wood20	B1 Chipping
26	2.9	mg/cm2	0.3	Positive	2	3/31/2021	13:30:47	Exterior House		Fascia		Wood21	B2 Chipping
29	3.3	mg/cm2	0.3	Positive	2	3/31/2021	13:33:23	Exterior House		Soffit		Wood24	D1 Chipping
30	1	mg/cm2	0.2	Positive	5	3/31/2021	13:33:57	Exterior House		Fascia		Wood25	D2 Chipping
99	3	mg/cm2	0.3	Positive	2	3/31/2021	14:29:48	House Bedroom 4		Door	---	Wood1	C1 Chalking

Lead in Dust Hazards:

- No Hazards Exist

Lead in Soil Hazards:

- No Hazards Exist

A few other painted surfaces that have not been tested for lead are in “poor” condition and should be repainted within the next year before further deterioration occurs. However, these surfaces are not considered to be immediate “hazards,” using criteria in the 2012 *HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*. Those surfaces are:

NA

There has not been any previous lead-based paint testing at this dwelling, although a lead-based paint inspection of all painted surfaces is recommended so that potential lead problems can be monitored before they become hazardous.

Soil lead levels were all below 400 ug/g. Current EPA and HUD Guidance for soil is 400ug/g for bare play areas and 1,200 ug/g for other areas. Using these criteria, soil is not a hazard at this property.

The owner has decided to select the following hazard control measures, which are all acceptable based on HUD’s *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*:

Reevaluation: Standard Reevaluation Schedule 3 contained in the HUD Guidelines does apply to this property, since one of the rooms had a dust lead level greater than the standard. Therefore, the dwelling should be reevaluated in NA (12 months from now). If no lead-based paint hazards are identified at this time,

no further reevaluations are needed. However, since lead-based paint may be present in the dwelling, the owner should monitor the condition of all painted surfaces at least annually or whenever other information indicates a potential problem.

Building Condition Form

CONDITION	YES	NO
Roof Missing Parts of Surfaces (tiles, boards, etc.)		X
Roof Has Holes or Large Cracks	X	
Gutter or Downspouts Broken	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 painting		X
Exterior siding has missing boards or shingles	X	
Water stains on interior walls or ceilings		X
Plaster walls deteriorated		X
Two or more windows or doors broken, missing, or boarded up		X
Porch or steps have major elements broken, missing, or boarded up		X
Foundation has major cracks, missing material, structural leans, or visibly unsound		X
Total	3	8

If the "Yes" column has 2 or more checks, the dwelling is considered to be in poor condition for the purposes of a risk assessment. However, specific conditions and extenuating circumstances should be considered before determining final condition of the building and the appropriateness of a lead hazard screen.

Notes:

Overall, the home is in Poor condition.

8. Dwelling Selection Process N/A
9. Analysis of Previous XRF Testing Report N/A

Field Sampling Form for Deteriorated Paint

Name of Risk Assessor Nick Clark
 Name of Property Owner Galen Parnell
 Property Address _____
 Sampling Protocol Single Family

Target Dwelling Criteria (Check All That Apply)

- Code Violations
- Judged to be in Poor Condition
- Presence of 2 or More Children between Ages of 6 Months and 6 Years
- Serves as Day-Care Facility
- Recently Prepared for Reoccupancy
- Random Sampling **XRF SN 2312**
- None of the above

Read	Conce	Units	3SD	Result	Nom Secs	Date	Time	Room	-->RoomChoice	Structure	-->Membe	Substrate	Wall	Cond.
23	3	mg/cm2	0.3	Positive	2	3/31/2021	13:28:37	Exterior House		Fascia		Wood18	A4	Chipping
24	3.7	mg/cm2	0.3	Positive	2	3/31/2021	13:29:20	Exterior House		Soffit		Wood19	A5	Chipping
25	6.7	mg/cm2	0.3	Positive	2	3/31/2021	13:30:15	Exterior House		Soffit		Wood20	B1	Chipping
26	2.9	mg/cm2	0.3	Positive	2	3/31/2021	13:30:47	Exterior House		Fascia		Wood21	B2	Chipping
29	3.3	mg/cm2	0.3	Positive	2	3/31/2021	13:33:23	Exterior House		Soffit		Wood24	D1	Chipping
30	1	mg/cm2	0.2	Positive	5	3/31/2021	13:33:57	Exterior House		Fascia		Wood25	D2	Chipping
99	3	mg/cm2	0.3	Positive	2	3/31/2021	14:29:48	House Bedroom 4		Door	---	Wood1	C1	Chalking

Sample all layers of paint, not just deteriorated paint layers

Total Number of Samples This Page 7

Page 1 of 1

Date of Sample Collection 3/31/2021

Field Sampling

Form for Dust

Sample Number	Room (Record Name of Room Used by the Owner or Resident)	Surface Type	Is Surface Smooth and Cleanable?	Dimension ¹ of Sample Area (inches x inches)	Area (in ²)	Result of Lab Analysis (ug/ft ²)
01	Living Room	Floor	Yes	12x12	144	<5.0
02	Living Room	WS	Yes	2 x 31	62	3.2
03	Living Room	WT	Yes	2 x 30	60	42
04	Kitchen	Floor	Yes	12x12	144	<5.0
05	Kitchen	WS	Yes	3.50 x 31	108.50	<3.8
06	Kitchen	WT	Yes	2 x 31	62	44
07	Bedroom 1 Floor	Floor	Yes	12 x 12	144	<5.0
08	Bedroom 1	WS	Yes	2 x 31	62	14
09	Bedroom 1	WT	Yes	12 x 12	144	23
10	Concrete Porch	Floor	Yes	12 x 12	144	<5.0

¹ Measure to the nearest 1/16 inch

Total Number of Samples This Page 10

Page 1 of 1

Date of Sample Collection 3/31/2021 Date shipped to lab 4/1/2021

Shipped by C. Nick Clark Received by EMSL Analytical Staff C. Nick Clark
 (signature) (signature)

HUD Standards 10 ug/ft² (floors), 100 ug/ft² (interior window sills), 400 ug/ft² (window troughs)

Field Sampling Form For Soil

(Composite Sampling Only)

Name of Risk Assessor C. Nick Clark

Name of Property Owner Galen Parnell

Property Address 25425 S. 4120 Rd. Claremore, Ok 74019

SAMPLE NO.	LOCATION	BARE OR COVERED	LAB RESULTS ug/g
11	Drip Line	Bare	<40

Collect only the ½" of soil

Total Number of Samples This Page 1

Page 1 of 1

Date of Sample Collection 3/31/2021 Date Shipped to lab 4/1/2021

Shipped by C. Nick Clark Received by EMSL Analytical C. Nick Clark
(signature) (signature)

13. Other Sampling Results N/A

Part III: Lead Hazard Control Options

14. Lead-Based Paint Policy Statement

On file CNEP and Cherokee Nation Housing Rehab

15. Name of Individual in Charge of Lead-Based Paint Hazard Control Program:

Cherokee Nation Housing Rehab - George Hubbard: 918-456-5482 ext. 1263

16. Recommended Changes to Work Order System and Property Management

The existing work order system is an informal verbal one. If painted surfaces will be disturbed during a particular repair job, the painted surface should be tested to determine if it has lead-based paint on it. If it does (or if testing is not completed), the maintenance worker should take the necessary precautions by wetting down the surface and performing cleanup. If the surface area is large or if the work will generate a significant amount of dust, clearance testing should be completed before residents move back into the room. The table below can be used as a general guide in determining whether maintenance jobs are likely to be high risk or low risk.

When work is assigned, the owner or worker should determine whether the job is low or high risk and adopt protective measures as needed.

**Table 17.1 (Taken from HUD Guidelines)
Summary of Low-and High-Risk Job Designations for Surfaces Known or Suspected to Have Lead-Based Paint**

Job Description	Low Risk	High Risk
Repainting (includes surface Preparation)		√
Plastering or wall repair		√
Window repair		√
Water or moisture damage repair (repainting and plumbing)		√
Door repair	√	
Building component replacement		√
Welding on Painted Surfaces		√
Door lock repair or replacement	√	
Electrical fixture repair	√	
Floor refinishing		√

Carpet replacement		√
Groundskeeping	√	
Radiator leak repair	√	
Baluster repair (metal)		√
Demolition		√

- **High-risk jobs typically disturb more than 2 square feet per room. If these jobs disturb less than 2 square feet, then they can be considered low-risk jobs.**

Table 17.2

	Low Risk	High Risk
Worksite preparation with plastic sheeting (6 mil thick)	Plastic sheet no less than 5 feet immediately underneath work area	Whole floor, plus simple airlock at door or tape door shut
Children kept out of work area	Yes	Yes
Resident relocation during work	No	Yes
Respirators	Probably not necessary*	Recommended
Protective clothing Note: Protective shoe coverings are not to be worn on ladders, scaffolds, etc.	Probably not necessary*	Recommended
Personal hygiene (enforced hand washing after job)	Required	Required
Showers	Probably not necessary	Recommended
Work practices	Use wet methods, except near electrical circuits	Use wet methods, except near electrical circuits
Cleaning	Wet cleaning with lead-specific detergent trisodium phosphate or other suitable detergent around the work area only (2 linear feet beyond plastic)	HEPA vacuum/wet wash/HEPA vacuum the entire work area
Clearance	Visual examination only	Dust sampling during the preliminary phase of the maintenance program and periodically thereafter (not required for every job)

- **Employers must have objective data showing that worker exposures are less than the OSHA Permissible Exposure Limit of 50ug/m3 if respirators and protective clothing will not be provided.**

17. Interim Control Options and Estimated Costs

The costs shown below include labor, materials, worker protection, site containment and cleanup. These are only very rough estimates that may not be accurate; a precise estimate should be obtained from a certified lead-based paint abatement contractor. I would be pleased to perform clearance testing after this work has been completed at your request.

Lead-Based Paint Hazards:

Hazards –

Read	Conce	Units	3 SD	Result	Nom Secs	Date	Time	Room	-->RoomChoice	Structure	-->Membe	Substrate	Wall	Cond.
23	3	mg/cm2	0.3	Positive	2	3/31/2021	13:28:37	Exterior House		Fascia		Wood18	A4	Chipping
24	3.7	mg/cm2	0.3	Positive	2	3/31/2021	13:29:20	Exterior House		Soffit		Wood19	A5	Chipping
25	6.7	mg/cm2	0.3	Positive	2	3/31/2021	13:30:15	Exterior House		Soffit		Wood20	B1	Chipping
26	2.9	mg/cm2	0.3	Positive	2	3/31/2021	13:30:47	Exterior House		Fascia		Wood21	B2	Chipping
29	3.3	mg/cm2	0.3	Positive	2	3/31/2021	13:33:23	Exterior House		Soffit		Wood24	D1	Chipping
30	1	mg/cm2	0.2	Positive	5	3/31/2021	13:33:57	Exterior House		Fascia		Wood25	D2	Chipping
99	3	mg/cm2	0.3	Positive	2	3/31/2021	14:29:48	House Bedroom 4		Door		Wood1	C1	Chalking

All – Wet scrape and repaint HEPA Vac, Mop, HEPA Vac

Lead Dust Hazards:

Hazard A. – No Hazards Exist

Lead Soil Hazards:

Hazard A. Dripline – No Hazards Exist

18. Acceptable Abatement Options

Lead-Based Paint Hazards

Hazard A:

Soffit and Fascia, – remove and replace, or enclose or encapsulate
Doors – Remove and Replace

Lead Dust Hazards:

Hazard A. – No Hazards Exist

Lead Soil Hazards:

Hazard A. Dripline – No Hazards Exist

19. **Reevaluation and Monitoring Schedule**

Each of these treatments will need to be reexamined periodically to make certain that they remain effective and to ensure that new lead-based paint hazards do not appear. The interim controls shown above are less expensive initially, but they may be more expensive in the long run since they need to be reevaluated more frequently. The replacement and paint removal methods are more expensive initially, but do not require any reevaluation.

The owner should monitor the condition of the paint at least annually or if there is some indication that paint might be failing. A professional reevaluation is also needed. The standard schedule for reevaluation the dwelling is shown above.

Reevaluation: Standard Reevaluation Schedule 3 contained in the HUD Guidelines applies to this property, since one of the rooms had a dust lead level greater than the standard. Therefore, the dwelling should be reevaluated in NA (12 months from now). If no lead-based paint hazards are identified at that time, another reevaluation should be conducted in NA (2 years later). If no lead-based paint hazards are identified at that time, no further reevaluations are needed. However, since lead-based paint may be present in the dwelling, the owner should monitor the condition of all painted surfaces at least annually or whenever other information indicates a potential problem.

Part IV: Site Specific Lead Hazard Control Plan

- 20. Lead Hazard Control Option To Be Implemented in This Property
I recommend abatement options for all hazards listed in Part 3, Section 18 of this document.

- 21. Training Plan for Managers, Maintenance Supervisors and Workers
On file Cherokee Nation Housing Rehab

- 22. Method of Resident Notification of Results of Risk Assessment and Lead Hazard Control Program
In person by Cherokee Nation Housing Rehab

- 23. Signatures (Risk Assessor and Owner), Date and Certificate of Lead-Based Paint Compliance

Owner Signature

Date

C. Travis Church
Certified Risk Assessor Signature

4-14-21
Date

Certificate of Lead-Based Paint Compliance

I hereby certify that on _____ the dwelling located
at _____ meets the criteria established by the
Department of Housing and Urban Development for lead safety. Either no lead-based paint
hazards were identified or all lead-based paint hazards have been corrected.

Owner

C. Nick Clark

Authorized Inspector

Risk Assessor License # OKRASR13910

Expiration Date: March 31, 2022

**Cherokee Nation
Environmental Programs**



2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 1.800.822.1650

Environmental Chemistry Analysis Report

QuanTEM Set ID: 333364	Client: Cherokee Nation Environmental Programs
Date Received: 04/07/21	Carlton N Clark
Received By: Courtney Holman	PO Box 948
Date Sampled:	Tahlequah, OK 74464
Time Sampled:	Acct. No.: C162
Analyst: CR	Project: Galen Parnell
Date of Report: 04/08/21	Location: Claremore
AIHA-LAP, LLC: 101352	Project No.: 260136

QuanTEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	01	Wipe	Lead	<5.0	5	ug/sq. Ft.	04/08/21 12:53	NIOSH 7082
002	02	Wipe	Lead	3.2	2.8	ug/sq. Ft.	04/08/21 12:53	NIOSH 7082
003	03	Wipe	Lead	42	10	ug/sq. Ft.	04/08/21 12:53	NIOSH 7082
004	04	Wipe	Lead	<5.0	5	ug/sq. Ft.	04/08/21 12:53	NIOSH 7082
005	05	Wipe	Lead	<3.8	3.8	ug/sq. Ft.	04/08/21 12:53	NIOSH 7082
006	06	Wipe	Lead	44	28	ug/sq. Ft.	04/08/21 12:53	NIOSH 7082
007	07	Wipe	Lead	<5.0	5	ug/sq. Ft.	04/08/21 12:53	NIOSH 7082
008	08	Wipe	Lead	14	5.3	ug/sq. Ft.	04/08/21 12:53	NIOSH 7082
009	09	Wipe	Lead	23	19	ug/sq. Ft.	04/08/21 12:53	NIOSH 7082
010	10	Wipe	Lead	<5.0	5	ug/sq. Ft.	04/08/21 12:53	NIOSH 7082
011	11	Soil	Lead	<40	40	mg/kg	04/08/21 16:24	Soil EPA 7000B (1)

Note: Sample results have not been corrected for blank values.

This report applies only to the standards or procedures indicated and to the specific samples tested. It is not indicative of the qualities of apparently identical or similar products or procedures, nor does it represent an ongoing assurance program unless so noted. These reports are for the exclusive use of the client and are not to be reproduced without specific written permission. QuanTEM is not responsible for user-supplied data used in calculations. Customer provided data such as volumes, areas, etc., cannot be verified by QuanTEM Laboratories, LLC.

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

EPA Method 7000B (1) = EPA 600/R-93/200 Preparation Modified, EPA 7000B Analysis Modified

EPA Method 7082 (2) = EPA 600/R-93/200 Preparation Modified, EPA 7082 Analysis Modified



2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 1.800.822.1650

Environmental Chemistry Analysis Report

QuanTEM Set ID: 333364	Client: Cherokee Nation Environmental Programs
Date Received: 04/07/21	Carlton N Clark
Received By: Courtney Holman	PO Box 948
Date Sampled:	Tahlequah, OK 74464
Time Sampled:	Acct. No.: C162
Analyst: CR	Project: Galen Parnell
Date of Report: 04/08/21	Location: Claremore
AIHA-LAP, LLC: 101352	Project No.: 260136

QuanTEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
------------	-----------	--------	-----------	---------	------------------	-------	--------------------	--------

Authorized Signature: _____

Cherry Rossen, Technical Manager

Note: Sample results have not been corrected for blank values.

This report applies only to the standards or procedures indicated and to the specific samples tested. It is not indicative of the qualities of apparently identical or similar products or procedures, nor does it represent an ongoing assurance program unless so noted. These reports are for the exclusive use of the client and are not to be reproduced without specific written permission. QuanTEM is not responsible for user-supplied data used in calculations. Customer provided data such as volumes, areas, etc., cannot be verified by QuanTEM Laboratories, LLC.

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

EPA Method 7000B (1) = EPA 600/R-93/200 Preparation Modified. EPA 7000B Analysis Modified

EPA Method 7082 (2) = EPA 600/R-93/200 Preparation Modified. EPA 7082 Analysis Modified

Supplemental Report QAQC Results

QA ID: 19204
Test: Lead

Date: 4/8/2021
Matrix: Wipe

Lab Number: 333364
Approved By: Cherry Rossen
Date Approved: 4/8/2021

Notes:

Blank Data:

Type of Blank	Blank Value
FCB	0
ICB	0
Matrix Blank	0

Standards Data:

Standard	Low Limit	Obtained	High Limit
CCV	2.2	2.3	2.8
FCV	2.2	2.3	2.8
ICV	0.9	1	1.1
RLVS	0.05	0.106	0.15

Duplicate Data:

Recovery Data:

Sample Number	Result	Spike Level	Result + Spike	% Recovery	Dup. Result + Spike	% Dup. Recovery	% Spike RPD
MS-WI	0.000	2.431	2.661	109.5	2.469	101.6	7.5

Authorized Signature: _____

Cherry Rossen, Technical Manager

Supplemental Report QAQC Results

QA ID: 19206
Test: Lead

Date: 4/8/2021
Matrix: Soil

Lab Number: 333364
Approved By: Cherry Rossen
Date Approved: 4/8/2021

Notes:

Blank Data:

Type of Blank	Blank Value
FCB	0
ICB	0
Matrix Blank	0

Standards Data:

Standard	Low Limit	Obtained	High Limit
CCV	2.2	2.4	2.8
FCV	2.2	2.4	2.8
ICV	0.9	1	1.1
RLVS	0.08	0.14	0.24

Duplicate Data:

Sample Number	Result	Duplicate	% RPD
333354-011	0.315	0.300	4.7

Recovery Data:

Sample Number	Result	Spike Level	Result + Spike	% Recovery	Dup. Result + Spike	% Dup. Recovery	% Spike RPD
LCS-S1	0.000	2.431	2.413	99.3	2.368	97.4	1.9
333354-011	0.315	2.000	2.473	107.9			

Authorized Signature: _____

Cherry Rossen, Technical Manager



LEAD CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Contact Information		Project Information	
Company: Cherokee Nation Environmental Programs	Phone: (918) 453-5000	Project Name: Galen Parnell	Report Results <input checked="" type="checkbox"/> (one box)
Contact: C. Nicolas Clark	Cell Phone: (918) 316-7451	Project Location: Claremore	<input type="checkbox"/> Quantem Website
Account #: C162	E-mail: carlton-clark@cherokee.org	Project ID:	<input checked="" type="checkbox"/> Email carlton-clark@cherokee.org
SAMPLED BY: Name: C. Nicolas Clark	Date: 03/31/2021	P.O. Number: 260136	<input type="checkbox"/> Other

RELINQUISHED BY	VIA	RECEIVED BY	DATE & TIME
<i>C. Nicolas Clark</i>	Fed Ex	<i>Anthony M. Holen</i>	4/7 @ 8:00

No.	Sample ID (10 Characters Max)	Sample Description	Volume or Area	Flame Atomic Absorption				Other Analysis	TURNAROUND TIME
				EPA 7000B	NIOSH 7082	Soil (mg/kg)	Wipes (ug/ft ²)		
1	01	Living Room Floor	144 sq in	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Same Day
2	02	Living Room WS	252 sq in	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	24 - Hour
3	03	Living Room WT	72 sq in	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3 - Day
4	04	Kitchen Floor	144 sq in	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5 - Day
5	05	Kitchen WS	182 sq in	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6	06	Kitchen WT	26 sq in	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7	07	Bedroom 1 Floor	144 sq in	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8	08	Bedroom 1 WS	137.50 sq in	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9	09	Bedroom 1 WT	37.50 sq in	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
10	10	Porch Floor - Concrete	144 sq in	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11	11	Soil	Composite	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

REQUESTED SERVICES (Please the Appropriate Boxes)