Lead-Based Paint Risk Assessment Report

For the Dwelling Located at:

Larry Quinton
108399 S 4673 Rd
Sallisaw, OK 74955
35.440304 N, -94.700643 W
Built in: 1967

Prepared For:

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

Lab Analysis by QuanTEM Laboratories, LLC
AIHA-LAP 101352
NVLAP 101959-0
4220 N Santa Fe Ave
Oklahoma City, OK 73105
(800) 822-1650

By:

Logan Girty, Certified Risk Assessor
P.O. Box 948
Tahlequah, OK 74465
(918) 453-5370
Niton XLp306 A
SN: 26522

Signature: Logan E. Girty Date: 2/22/2019

OK Firm No.: OKFIRM11198 OK License No.: OKRASR13908
CN Firm No.: CNFIRM00001 CN License No.: CNRASR00037

Table of Contents

Part I: Identifying Information

Larry Quinton
108399 S 4673 Rd, Sallisaw, OK 74955
918-775-2929
35.440304 N, 94.700643 W
Built in: 1967

Part II: Results

List of location and type of identified lead hazards:

Deteriorated Lead-Based Paint (Hazards):

- Exterior, Wall, Side A & B , White, Wood
- Exterior, Soffit, Side A, C & D, Blue, Wood
- Exterior, Gable, Side D, Blue, Wood
- Exterior, Window Sill, Side D, Blue, Wood

Lead in Dust Hazards:

- Living Room Window Trough
- Kitchen Window Trough
- Bath Window Trough
- Bedroom 3 Window Sill & Trough

Lead in Soil Hazards:

- No lead soil hazards were identified.

A few other painted surfaces that have not been tested for lead are in "fair" 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:

N/A

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 that the standard. Therefore, the dwelling should be reevaluated in February 2019 (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.

Resident Questionnaire

Children/Children's Habits

1. (a) Do you have any children that live in your home? Yes___ No __X__

   (b) If yes, how many? _____ Ages? ____

   (c) Record blood lead levels, if known __N/A

IF NO CHILDREN, SKIP TO Q.5

2. Locate 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 Indoors	Primary Location Where Child Plays Outdoors

3. Where are toys stored/kept? _____

4. Is there any visible evidence of chewed or peeling paint on the wood work, furniture, or toys?
   Yes_____ No_____

Family Use Patterns

5. Which entrances are used most frequently? A & C side entrances

6. Which windows are opened most frequently? Bath, Bedroom 3 & Kitchen

7. Do you use window air conditioners? If yes, where? _____ No __X__

   (Condensation often causes paint deterioration)

8. (a) Do any household member engage in gardening? Yes_____ No __X__

   (b) Record the location of any vegetable garden._____

   (c) Are you planning any landscaping activities that will remove grass or ground covering?
   Yes_____ No __X__

9. (a) How often is the household cleaned? Weekly

   (b) What cleaning methods do you use? Soap/Water

10. (a) Did you recently complete any building renovations? Yes_____ No __X__

    (b) If yes, where? _____

    (c) Was building debris stored in the yard? If yes, where? _____

11. Are you planning any building renovations? Where? Exterior Roof

12. (a) Do any household members work in a lead-related industry? Yes____ No __X__

    (b) If yes, where are dirty work clothes placed and cleaned?_____

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 __Logan Girty___

Name of Property Owner Larry Quinton

Property Address 108399 S 4673 Rd, Sallisaw, OK 74955

Sampling Protocol Single family dwelling

Target Dwelling Criteria (Check All That Apply)

_____ Code Violations

__X__ 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 26522**

_____ None of the above

Units	COMPONENT	SUBSTRATE	SIDE	COLOR	ROOM	CONDIT	Results	PbC	PbC Error
mg / cm ^2	Wall	WOOD	A	White	EXTERIOR	PEELING	Positive	1.1	0.1
mg / cm ^2	Soffit	WOOD	A	Blue	EXTERIOR	PEELING	Positive	1.3	0.3
mg / cm ^2	Wall	WOOD	B	White	EXTERIOR	PEELING	Positive	1.1	0.1
mg / cm ^2	W Sill	WOOD	C	Blue	EXTERIOR	PEELING	Positive	1.7	0.4
mg / cm ^2	Soffit	WOOD	C	Blue	EXTERIOR	PEELING	Positive	1.1	0.1
mg / cm ^2	Soffit	WOOD	D	Blue	EXTERIOR	PEELING	Positive	2.3	0.8
mg / cm ^2	Gable	WOOD	D	Blue	EXTERIOR	PEELING	Positive	1.1	0.1
mg / cm ^2	W Sill	WOOD	D	Blue	EXTERIOR	PEELING	Positive	1.1	0.1

Sample all layer of paint, not just deteriorated paint layers

Total Number of Samples This Page 8

Page 1 of 1

Date of Sample Collection 2/12/2019

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	Wood	Yes	12x12	144	<5.00
02	Living Room Window Sill	Wood	Yes	6x21.75	130.5	20.8
03	Living Room Win Trough	Vinyl	Yes	1.5x21	31.5	2,610
04	Kitchen Floor	Wood	Yes	12x12	144	<5.00
05	Kitchen Window Sill	Wood	Yes	5.5x29.75	163.625	5.28
06	Kitchen Window Trough	Wood	Yes	1.5x28.5	42.75	468
07	Bath Floor	Wood	Yes	12x12	144	<5.00
08	Bath Window Sill	Wood	Yes	5.25x30	157.5	19.4
09	Bath Window Trough	Wood	Yes	1.5x28.5	42.75	715
10	Bedroom 3 Floor	Wood	Yes	12x12	144	<5.00
11	Bedroom 3 Window Sill	Wood	Yes	5.5x29.25	160.875	1,670
12	BR 3 Window Trough	Wood	Yes	1.5x28.5	42.75	1,470

[1] Measure to the nearest 1/16 inch

Total Number of Samples This Page 8

Page 1 of 1

Date of Sample Collection 2/12/2019 Date shipped to lab 2/12/2019

Shipped by: _____ (signature) Received by: QuanTEM Analytical Staff (signature)

HUD Standards: 40 ug/ft^2 (floors), 250 ug/ft^2 (interior window sills), 400 ug/ft^2 (window troughs)

Field Sampling Form For Soil

(Composite Sampling Only)

Name of Risk Assessor Logan Girty

Name of Property Owner Larry Quinton

Property Address 108399 S 4673 Rd, Sallisaw, OK 74955

SAMPLE NO.	LOCATION	BARE OR COVERED	**LAB RESULTS ug/g**
09	Dripline	Bare	78.8

Collect only the ½" of soil

Total Number of Samples This Page 1

Page 1 of 1

Date of Sample Collection 2/12/2019 Date Shipped to lab 2/12/2019

Shipped by: Logan E. (signature) Received by: QuanTEM Analytical Staff (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)

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:

Hazard A. Exterior Wall, Side A & B	Wet Scrape & Repaint
Hazard B. Exterior Soffit, Side A, C & D	Wet Scrape & Repaint
Hazard C. Exterior Gable, Side D	Wet Scrape & Repaint
Hazard D. Exterior Window Sill, Side D	Wet Scrape & Repaint

Lead Dust Hazards:

Hazard A. Living Room Window Trough	Hepa-vac, Wet Mop, Hepa-vac
Hazard B. Kitchen Window Trough	Hepa-vac, Wet Mop, Hepa-vac
Hazard C. Bath Window Trough	Hepa-vac, Wet Mop, Hepa-vac
Hazard D. Bedroom 3 Window Sill & Trough	Hepa-vac, Wet Mop, Hepa-vac

Lead Soil Hazards:

Hazard A. No Hazards Exist

18. Acceptable Abatement Options and Estimated Costs

Lead-Based Paint Hazards:

Hazard A. Exterior Wall, Side A & B	Enclose, Encapsulate or Replace
Hazard B. Exterior Soffitt, Side A, C & D	Enclose, Encapsulate or Replace
Hazard C. Exterior Gable, Side D	Enclose, Encapsulate or Replace
Hazard D. Exterior Window Sill, Side D	Enclose, Encapsulate or Replace

Lead Dust Hazards:

Hazard A. Living Room Window Trough	Hepa-vac, Wet Mop, Hepa-vac
Hazard B. Kitchen Window Trough	Hepa-vac, Wet Mop, Hepa-vac
Hazard C. Bath Window Trough	Hepa-vac, Wet Mop, Hepa-vac
Hazard D. Bedroom 3 Window Sill & Trough	Hepa-vac, Wet Mop, Hepa-vac

Lead Soil Hazards:

Hazard A. 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 Feb 2020 (12 months from now). If no lead-based paint hazards are identified at that time, another reevaluation should be conducted in Feb 2021 (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

_____ _____

Certified Risk Assessor Signature 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

_____

Authorized Signature

Risk Assessor License # _____

Expiration Date:_____

Cherokee Nation

Environmental Programs

2033 Heritage Park Dr, Oklahoma City, OK 73120 1.800.822.1650

Environmental Chemistry Analysis Report

QuanTEM Set ID: 305323
Date Received: 02/18/19
Received By: Gennifer Bridgewater
Date Sampled:
Time Sampled:
Analyst: CR
Date of Report: 02/21/19

AIHA ID: 101352

Client: Cherokee Nation Environmental Programs
Logan Girty
PO Box 948
Tahlequah, OK 74464

Acct. No.: C162

Project: Larry Quinton
Location: Sallisaw
Project No.: N/A

QuanTEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	01	Wipe	Lead	<5.00	5	ug/sq. Ft.	02/21/19 14:05	W NIOSH 9100
002	02	Wipe	Lead	20.8	5.52	ug/sq. Ft.	02/21/19 14:05	W NIOSH 9100
003	03	Wipe	Lead	2,610	22.9	ug/sq. Ft.	02/21/19 14:05	W NIOSH 9100
004	04	Wipe	Lead	<5.00	5	ug/sq. Ft.	02/21/19 14:05	W NIOSH 9100
005	05	Wipe	Lead	5.28	4.4	ug/sq. Ft.	02/21/19 14:05	W NIOSH 9100
006	06	Wipe	Lead	468	16.8	ug/sq. Ft.	02/21/19 14:05	W NIOSH 9100
007	07	Wipe	Lead	<5.00	5	ug/sq. Ft.	02/21/19 14:05	W NIOSH 9100
008	08	Wipe	Lead	19.4	4.57	ug/sq. Ft.	02/21/19 14:05	W NIOSH 9100
009	09	Wipe	Lead	715	16.8	ug/sq. Ft.	02/21/19 14:05	W NIOSH 9100
010	10	Wipe	Lead	<5.00	5	ug/sq. Ft.	02/21/19 14:05	W NIOSH 9100
011	11	Wipe	Lead	1,670	4.48	ug/sq. Ft.	02/21/19 14:05	W NIOSH 9100
012	12	Wipe	Lead	1,470	16.8	ug/sq. Ft.	02/21/19 14:05	W NIOSH 9100
013	13	Soil	Lead	78.8	39.8	mg/kg	02/21/19 11:30	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.

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

LEAD CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No.	305323
	(Accept) Reject

Contact Information			
Company:	Cherokee Nation Environmental Programs	Phone:	(918) 453-6140
Contact:	Logan Girty	Cell Phone:	(918) 772-8346
Account #:	C 162	E-mail:	logan-girty@cherokee.org
SAMPLED BY: Name:	Logan Girty	Date:	02/12/2019

Project Information	
Project Name:	Larry Quinton
Project Location:	Sallisaw
Project ID:	
P.O. Number:	225550

Report Results (☑ one box)	
	QuanTEM Website
✓	Email logan-girty@cherokee.org
	Other _____

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
Logan Girty	2/12/2019 4:30 PM	FedEx	G. Bridgewater	2/18

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

No.	Sample ID (10 Characters Max)	Sample Description	Volume (Liters)	Volume Area (Length x Width)	Sample Matrix (see matrix code box)	Analysis: Pb	Units (☑ ONE box only): PPM	Wt %	mg / l	µg /ft²	µg / m³	mg / cm²
1	01	Living Room Floor		144 sq in	C	✓				✓		
2	02	Living Room Window Sill		130.5 sq in	C	✓				✓		
3	03	Living Room Window Trough		31.5 sq in	C	✓				✓		
4	04	Kitchen Floor		144 sq in	C	✓				✓		
5	05	Kitchen Window Sill		163.625 sq in	C	✓				✓		
6	06	Kitchen Window Trough		42.75 sq in	C	✓				✓		
7	07	Bath Floor		144 sq in	C	✓				✓		
8	08	Bath Window Sill		157.50 sq in	C	✓				✓		
9	09	Bath Window Trough		42.75 sq in	C	✓				✓		
10	10	Bedroom 3 Floor		144 sq in	C	✓				✓		
11	11	Bedroom 3 Window Sill		160.875 sq in	C	✓				✓		
12	12	Bedroom 3 Window Trough		42.75 sq in	C	✓				✓		

Sample Matrix Codes	
A	Soil
B	Paint Chips
C	Surface / Dust Wipes
D	Bulk Miscellaneous
E	Air Cassette

TURNAROUND TIME	
	Same Day
	24 - Hour
✓	3 - Day
	5 - Day

SATURDAY FEDEX SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"
Please Note - UPS and USPS are NOT available for Saturday Delivery

LEAD CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 305323
Accept Reject

Project Information

Company:	Project Name:	Project Location:
Cherokee Nation Environmental Programs	Larry Quinton	Sallisaw

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

No.	Sample ID (10 Characters Max)	Sample Description	Volume (Liters)	Volume Area (Length x Width)	Sample Matrix (see matrix code box)	Analysis			Units (☑ ONE box only)					
						Pb			PPM	Wt %	mg / l	µg /ft²	µg / m³	mg / cm²
13	13	Composite Soil			A	✓			✓					
14														
15														
16														
17														
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25														
26														
27														
28														
29														
30														

Sample Matrix Codes	
A	Soil
B	Paint Chips
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SATURDAY FEDEX SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"
Please Note - UPS and USPS are NOT available for Saturday Delivery