

# CHEROKEE NATION

## Environmental Programs



### LEAD-BASED PAINT CLEARANCE TEST

**PARTICIPANT:** POLK, SANDRA

**PREPARED BY:** LOGAN GIRTY, ENVIRONMENTAL SPECIALIST III

**REQUESTED BY:** HACN HOUSING REHABILITATION – GEORGE HUBBARD

## GENERAL INFORMATION

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**Date of Clearance Inspection:** September 27, 2024

**Participant Name:**

Sandra Polk  
315 S Oak, Big Cabin, OK 74332  
36.5355 N°, -95.2230 W°  
Home constructed in 1954

**Clearance Examiner:**

Logan Girty, Environmental Specialist III  
Cherokee Nation Environmental Programs  
PO BOX 948, Tahlequah, OK 74465  
918.453.5009 Ext. 6140  
Oklahoma Inspector/Risk Assessor, OKRASR13908  
Cherokee Nation Inspector/Risk Assessor, CNRASR00037

Cherokee Nation Environmental Programs  
PO Box 948, Tahlequah, OK 74465  
918.453.5000  
Oklahoma Firm: OKFIRM11198  
Cherokee Nation Firm: CNFIRM00001

**Laboratory:**

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

## SUMMARY OF CLEARANCE RESULTS:

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Based on a visual assessment and dust sampling on September 27, 2024, no dust-lead hazards, as defined by federal standards were found.

**Signature:** Logan Girty

**Date:** 10/2/2024

## SUMMARY OF HAZARD REDUCTION ACTIVITIES

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**Completion Date:** September 26, 2024 @ 3:30 PM

**Firm Information:**

Rycon Environmental LLC  
213 River St, Commerce, OK  
OKFIRM12745  
Construction Inspector: Carlos Ybarra OKSUVR12761

**Description of Hazard Reduction Activities and Areas Addressed:**

(Information in this section provided by Cherokee Nation Housing Rehabilitation Department)

Location	Activity
Exterior	A-Side Soffit & Fascia (Please See Attached Write-Up)
<b>Description of Work:</b>	Prior to initiating work, install one layer of six-mil plastic on ground/floor and doorways of bedroom, and on floor from bedroom to exterior entrance and exit doorway. HEPA/WET/HEPA to reduce the elevated lead dust levels on the bedroom floor, and Hepa-vac plastic to remove leaded dust. Remove six-mil plastic from lead activity areas. Seal and tape all laps and joints. Debris shall be stored in locked trailer or dumpster until it can be taken to a code legal dump site.
<b>Occupant Protection Plan:</b>	N/A – Not Abatement Work

**On-Going Lead Based Paint Monitoring Requirements:**

CN Housing Rehab provides services for eligible Cherokee Citizen's privately owned homes. The NAHASDA funding is from year to year and none can be set aside for the follow up monitoring for Interim Controls of the Lead Based Paint. Enclosures and component replacement is chosen, when possible, to remove the lead hazard because it is in the best interest for the participant to prevent lead based paint and dust hazards.



### VISUAL ASSESSMENT – LEAD HAZARD CLEARANCE EXAMINATION

Work Area	Deteriorated Paint	Debris	Visible Dust	Notes	Pass/Fail
Exterior A-Side	No	No	No		Pass

### DUST LEAD HAZARD CLEARANCE EXAMINATION:

Sample #	Location	Surface	Dimensions of sample area (inch)	µg /ft <sup>2</sup>	Pass/Fail
01	Side A Porch	Floor (wood)	12x12	<2.5	Pass

HUD/EPA Clearance Standards for Lead in Dust: Floors 10µg /ft<sup>2</sup>, Interior window sill 100µg /ft<sup>2</sup>, Window trough: 100µg /ft<sup>2</sup>

### SOIL LEAD HAZARD CLEARANCE EXAMINATION:

Sample #	Location	Bare or Covered	µg /g	Pass/Fail
02	A-Side Dripline	Bare	76	Pass

HUD/EPA Clearance Standards for Lead in Soils: Play Areas 400 µg /g, all other areas 1200 µg /g




2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

## Environmental Chemistry Analysis Report

**Quantem Set ID:** 372965  
**Date Received:** 10/01/24  
**Received By:** Baylie Longstreth  
**Date Sampled:**  
**Time Sampled:**  
**Analyst:**  
**Date of Report:** 10/01/24  
AIHA LAP, LLC: 101352

**Client:** Cherokee Nation Environmental Programs  
Logan Girty  
PO Box 948  
Tahlequah, OK 74464  
**Acct. No.:** C162  
**Project:** Sandra Polk  
**Location:** Big Cabin  
**Project No.:** N/A

Quantem ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	01	Wipe	Lead	<2.5	2.5	ug/sq. Ft.	10/01/24 13:00	NIOSH 7082
002	02	Soil	Lead	76	25	mg/kg	10/01/24 13:00	Soil EPA 7000B (1)

Authorized Signature:   
Eric Caves, Chemistry 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: 21247  
Test: Lead

Date: 10/1/2024  
Matrix: Soil

Lab Number: 372965  
Approved By: Eric Caves  
Date Approved: 10/1/2024

Notes:

### Blank Data:

Type of Blank	Blank Value
FCB	0
ICB	0

### Standards Data:

Standard	Low Limit	Obtained	High Limit
FCV	2.2	2.41	2.8
RLVS	0.05	0.09	0.15
ICV	0.9	0.98	1.1

### Duplicate Data:

Sample Number	Result	Duplicate	% RPD
372965-002	0.300	0.300	0.0

### Recovery Data:

Sample Number	Result	Spike Level	Result + Spike	% Recovery	Dup. Result + Spike	% Dup. Recovery	% Spike RPD
LCS-S	0.000	2.428	2.234	92.0	2.261	93.1	1.2
372965-002	0.300	2.000	2.250	97.5			

Authorized Signature: \_\_\_\_\_



Eric Caves, Chemistry Technical Manager

## Supplemental Report QAQC Results

QA ID: 21248

Test: Lead

Date: 10/1/2024

Matrix: Wipe

Lab Number: 372965

Approved By: Eric Caves

Date Approved: 10/1/2024

Notes:

### Blank Data:

Type of Blank	Blank Value
FCB	0
ICB	0

### Standards Data:

Standard	Low Limit	Obtained	High Limit
FCV	2.2	2.41	2.8
RLVS	0.05	0.09	0.15
ICV	0.9	0.98	1.1

### Duplicate Data:

### Recovery Data:

Sample Number	Result	Spike Level	Result + Spike	% Recovery	Dup. Result + Spike	% Dup. Recovery	% Spike RPD
MS-W	0.000	2.428	2.389	98.4	2.385	98.2	0.2

Authorized Signature: \_\_\_\_\_



Eric Caves, Chemistry Technical Manager





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. <u>372965</u>
Accept <input checked="" type="radio"/> Reject <input type="radio"/>

Contact Information		Project Information		Report Results ( <input checked="" type="checkbox"/> one box)	
Company: Cherokee Nation Environmental Programs	Phone: (918) 453-5000	Project Name: Sandra Polk	<input type="radio"/> Quantem Website		
Contact: Logan Girty	Cell Phone: (918) 772-8346	Project Location: Big Cabin	<input checked="" type="radio"/> Email <u>logan-girty@cherokee.org</u>		
Account #: C 162	E-mail: <u>logan-girty@cherokee.org</u>	Project ID:	<input type="radio"/> Other _____		
SAMPLED BY: Name: Logan Girty	Date: 09/27/2024	P.O. Number: 874812			

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<u>Logan E. Girty</u>	9/27/2024 4:20 PM	FedEx	<u>[Signature]</u>	10/1/24 9:00

REQUESTED SERVICES (Please ☒ the Appropriate Boxes)

No. (10 Characters Max)	Sample ID	Sample Description	Volume or Area	Flame Atomic Absorption						Other Analysis				TURNAROUND TIME				
				EPA 7000B		NIOSH 7082												
				wt% ppm mg/cm <sup>2</sup>	Paint Chips	Bulk (mg/kg)	Soil (mg/kg)	Wipes (ug/ft <sup>2</sup> )	Air (ug /m <sup>3</sup> )	TCLP - Pb	TCLP - RCRA 8	RCRA 8	Other	Same Day	24 - Hour	3 - Day	5 - Day	
1	01	A Side Porch Floor	144 sq in															
2	02	A Side Soil					✓											
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		