

# CHEROKEE NATION

Environmental Programs



## LEAD-BASED PAINT CLEARANCE TEST

**PARTICIPANT:** WARREN, TERRY

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

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

## GENERAL INFORMATION

---

**Date of Clearance Inspection:** June 2, 2021

**Participant Name:**

Terry Warren  
918-200-1521  
320 N Cherokee Ave, Tahlequah, OK 74464  
35.9170 N°, -94.9722 W°  
Home constructed in 1974

**Clearance Examiner:**

Logan Girty, Environmental Specialist II  
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:**

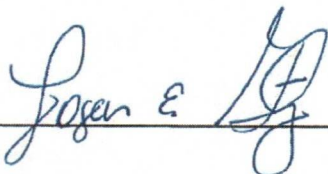
QuanTEM Laboratories, LLC  
AIHA-LAP 101352, NVLAP 101959-0  
4220 N. Santa Fe Ave  
Oklahoma City, OK 73105  
(800) 822-1650

## SUMMARY OF CLEARANCE RESULTS:

---

Based on a visual assessment and dust sampling on June 2, 2021, no dust-lead hazards, as defined by federal standards were found.

**Signature:**



**Date:** 6.8.2021

## SUMMARY OF HAZARD REDUCTION ACTIVITIES

**Completion Date:** June 1, 2021 @ 5:00 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	Enclose Side A & C Soffit & Fascia
Exterior	Enclose Side D Gable
Exterior	Enclose Side D Wall
Description of Work:	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.
Occupant Protection Plan:	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 Sides A C & D	No	No	No		Pass
Porch Side D	No	No	No		Pass
Soil	No	No	No		Pass

## DUST LEAD HAZARD CLEARANCE EXAMINATION:

Sample #	Location	Surface	Dimensions of sample area (inch)	$\mu\text{g} / \text{ft}^2$	Pass/Fail
01	Side D Porch	Floor (conc)	12 x 12	<5	Pass
02	Kitchen	Window Trough	2x30.25	41	Pass

HUD/EPA Clearance Standards for Lead In Dust: Floors  $40\mu\text{g} / \text{ft}^2$ , Interior window sill  $250\mu\text{g} / \text{ft}^2$ , Window trough:  $400\mu\text{g} / \text{ft}^2$

## SOIL LEAD HAZARD CLEARANCE EXAMINATION:

Sample #	Location	Bare or Covered	$\mu\text{g} / \text{g}$	Pass/Fail
03	Composite Dripline	Bare	120	Pass

HUD/EPA Clearance Standards for Lead In Soils: Play Areas  $400\mu\text{g} / \text{g}$ , all other areas  $1200\mu\text{g} / \text{g}$



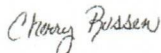
2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

## Environmental Chemistry Analysis Report

Quantem Set ID: 335389  
Date Received: 06/03/21  
Received By: Cyonne Harrod  
Date Sampled:  
Time Sampled:  
Analyst: CR  
Date of Report: 06/07/21  
AIHA-LAP, LLC: 101352

Client: Cherokee Nation Environmental Programs  
Logan Girty  
PO Box 948  
Tahlequah, OK 74464  
Acct. No.: C162  
Project: Terry Warren  
Location: Tahlequah  
Project No.: N/A

Quantem ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	01	Wipe	Lead	<5.0	5	ug/sq. Ft.	06/03/21 16:05	NIOSH 7082
002	02	Wipe	Lead	41	12	ug/sq. Ft.	06/03/21 16:05	NIOSH 7082
003	03	Soil	Lead	120	40	mg/kg	06/03/21 16:05	Soil EPA 7000B (1)

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: 19372  
Test: Lead

Date: 6/3/2021  
Matrix: Soil

Lab Number: 335389  
Approved By: Cherry Rossen  
Date Approved: 6/3/2021

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	2.7	2.8
FCV	2.2	2.3	2.8
ICV	0.9	1	1.1
RLVS	0.08	0.16	0.24

### Duplicate Data:

### Recovery Data:

Sample Number	Result	Spike Level	Result + Spike	% Recovery	Dup. Result + Spike	% Dup. Recovery	% Spike RPD
335299-012	0.000	2.000	2.434	121.7			
LCS-S1	0.000	2.431	2.748	113.0	2.443	100.5	11.8

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

*Cherry Rossen*

Cherry Rossen, Technical Manager



# Supplemental Report QAQC Results

QA ID: 19373  
Test: Lead

Date: 6/3/2021  
Matrix: Wipe

Lab Number: 335389  
Approved By: Cherry Rossen  
Date Approved: 6/3/2021

Notes:

## Blank Data:

Type of Blank	Blank Value
FCB	0
ICB	0
Matrix Blank 3	0
Matrix Blank 2	0

## Standards Data:

Standard	Low Limit	Obtained	High Limit
CCV	2.2	2.7	2.8
FCV	2.2	2.3	2.8
ICV	0.9	1	1.1

## Duplicate Data:

## Recovery Data:

Sample Number	Result	Spike Level	Result + Spike	% Recovery	Dup. Result + Spike	% Dup. Recovery	% Spike RPD
MS-W2	0.000	2.431	2.608	107.3	2.313	95.2	12.0
MS-W3	0.000	2.431	2.653	109.1	2.781	114.4	4.7

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

*Cherry Rossen*

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

Page 1 of 1

For Lab Use Only
Lab No. <u>335389</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

Contact Information		Project Information		Report Results (one box)	
Company: Cherokee Nation Environmental Programs	Phone: (918) 453-5000	Project Name: Terry Warren	<input type="radio"/> Quantem Website	<input type="radio"/> Quantem Website	
Contact: Logan Girty	Cell Phone: (918) 772-8346	Project Location: Tahlequah	<input checked="" type="radio"/> Email <u>logan-girty@cherokee.org</u>	<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	<input type="radio"/> Other	
SAMPLED BY: Name: Logan Girty	Date: 06/02/2021	PO Number: 260136			

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<u>Logan Girty</u>	6/2/2021	FedEx	<u>Myo Hurd</u>	6/3 @ 10:15
	9:00 AM			

REQUESTED SERVICES (Please check the appropriate boxes)

No.	Sample ID (10 Characters Max)	Sample Description	Flame Atomic Absorption				Other Analysis						
			EPA 7000B	NIOSH 7082	Paint Chips	Other Analysis							
			wt%	ppm	mg/kg	mg/m <sup>3</sup>	Soil (mg/kg)	Wipes (ug/ft <sup>2</sup> )	Air (ug/m <sup>3</sup> )	TCLP - Pb	TCLP - RCRA 8	RCRA 8	Other
1	01	Porch Floor (concrete)						X					
2	02	Kitchen WT						X					
3	03	Soil					A						
4													
5													
6													
7													
8													
9													
10													
11													

TURN AROUND TIME
<input type="radio"/> Same Day
<input checked="" type="radio"/> 24 - Hour
<input type="radio"/> 3 - Day
<input type="radio"/> 5 - Day