

CHEROKEE NATION

Environmental Programs



LEAD-BASED PAINT CLEARANCE TEST

PARTICIPANT: KLINGER, AILLENE

PREPARED BY: CHRISTOPHER COCHRAN, ENVIRONMENTAL SPECIALIST I

REQUESTED BY: HACN HOUSING REHABILITATION – GEORGE HUBBARD

GENERAL INFORMATION

Date of Clearance Inspection: December 17th, 2024

Participant Name:

Aillene Klinger
1375 N Vinita Ave Tahlequah, OK 74464
35.92937 N°, -94.97443 W°
Home constructed in 1960

Clearance Examiner:

Christopher Cochran, Environmental Specialist I
Cherokee Nation Environmental Programs
PO BOX 948, Tahlequah, OK 74465
918.453.5009 Ext. 6140
Oklahoma Inspector/Risk Assessor, OKRASR13995
Cherokee Nation Inspector/Risk Assessor, CNRASR00038

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

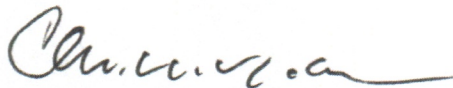
Laboratory:

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 December 17th, 2024, no dust-lead hazards, as defined by federal standards were found.

Signature: _____



Date: _____

1-3-24

SUMMARY OF HAZARD REDUCTION ACTIVITIES

Completion Date: December 17th, 2024

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
Interior/Exterior	See Attached Scope of Work
Interior	
Interior	
Interior	
Description of Work:	Prior to initiating work, install one layer of six-mil plastic on ground/floor and doorways of kitchen, and on floor from kitchen to exterior entrance and exit doorway. HEPA/WET/HEPA to reduce the elevated lead dust levels on the kitchen 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
Kitchen	No	No	No		Pass

DUST LEAD HAZARD CLEARANCE EXAMINATION:

Sample #	Location	Surface	Dimensions of sample area (inch)	µg /ft ²	Pass/Fail
01	Porch	Floor (conc.)	12x12	<2.5	Pass
02	Porch	Windowsill	15x4	<6.0	Pass
03	Laundry Room	Floor	12x12	<2.5	Pass
04	Laundry Room	Windowsill	27x2	<6.7	Pass
05	Kitchen	Floor	12x12	<2.5	Pass
06	Kitchen	Windowsill	23x2	<7.8	Pass

HUD/EPA Clearance Standards for Lead in Dust: Floors 5µg /ft², Interior window sill 40µg /ft², Window trough: 100µg /ft²

SOIL LEAD HAZARD CLEARANCE EXAMINATION:

Sample #	Location	Bare or Covered	µg /g	Pass/Fail

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: 375097
Date Received: 12/18/24
Received By: Courtney Holman
Date Sampled:
Time Sampled:
Analyst:
Date of Report: 12/19/24
 AIHA LAP, LLC: 101352

Client: Cherokee Nation Environmental Programs
 Chris Cochran
 PO Box 948
 Tahlequah, OK 74464

Acct. No.: C162

Project: Aillene Klinger
Location: Tahlequah
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.	12/19/24 9:57	NIOSH 7082
002	02	Wipe	Lead	<6.0	6	ug/sq. Ft.	12/19/24 9:57	NIOSH 7082
003	03	Wipe	Lead	<2.5	2.5	ug/sq. Ft.	12/19/24 9:57	NIOSH 7082
004	04	Wipe	Lead	<6.7	6.7	ug/sq. Ft.	12/19/24 9:57	NIOSH 7082
005	05	Wipe	Lead	<2.5	2.5	ug/sq. Ft.	12/19/24 9:57	NIOSH 7082
006	06	Wipe	Lead	<7.8	7.8	ug/sq. Ft.	12/19/24 9:57	NIOSH 7082

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: 21398
Test: Lead

Date: 12/19/2024
Matrix: Wipe

Lab Number: 375097
Approved By: Eric Caves
Date Approved: 12/19/2024

Notes:

Blank Data:

Type of Blank	Blank Value
FCB	0
ICB	0

Standards Data:


Standard	Low Limit	Obtained	High Limit
FCV	2.2	2.4	2.8
CCV	2.2	2.41	2.8
RLVS	0.05	0.08	0.15
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-W	0.000	2.428	2.560	105.4	2.430	100.1	5.2

Authorized Signature: _____



Eric Caves, Chemistry 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

For Lab Use Only
 Lab No. **375097**
 Accept Reject

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Contact Information Company: Cherokee Nation Environmental Programs Phone: (918) 453-5009 Call Phone: (918) 316-7452 Email: christopher-cochran@cherokee.org Account #: C162 Name: Christopher Cochran Date: 12/17/2024		Project Information Project Name: Aillene Klinger Project Location: Tahlequah Project ID: P.O. Number: 895481	
Report Results (one box) <input type="radio"/> Quantem Website <input checked="" type="radio"/> Email christopher-cochran@cherokee.org <input type="radio"/> Other		RECEIVED BY VIA Fed Ex Signature: <i>Lucy M. [unclear]</i> DATE & TIME: 12/18/24 @ 10:00	

SAMPLED BY: Christopher Cochran

RELINQUISHED BY: Christopher Cochran

REQUESTED SERVICES: (Please the Appropriate Boxes)

No.	Sample ID (10 Characters Max)	Sample Description	Volume or Area	Flame Atomic Absorption			Other Analysis			TURNAROUND TIME
				EPA 7000B	NIOSH 7082	Paint Chips	TCLP - Pb	TCLP - RCRA 8	RCRA 8	
				w%	ppm	mg/cm ²				
1	01	Porch Floor	144sq in							Same Day
2	02	Porch Window Sill	15 x 4 ^{1/2} sq inches							24 - Hour
3	03	Laundry Room Floor	144sq in							3 - Day
4	04	Laundry Room Window Sill	27x 2 sq inches							5 - Day
5	05	Kitchen Floor	144sq in							
6	06	Kitchen Window Sill	23 x 2 sq inches							
7										
8										
9										
10										
11										