

# CHEROKEE NATION

Environmental Programs



## LEAD-BASED PAINT CLEARANCE TEST

**PARTICIPANT:** CHRISTIAN, HAROLD

**PREPARED BY:** C. NICK CLARK, ENVIRONMENTAL SPECIALIST IV

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

GENERAL INFORMATION

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**Date of Clearance Inspection:** July 29, 2022

**Participant Name:**

Harold Christian  
918-244-0443  
323 S Cedar St. Vinita, OK 74301

**Clearance Examiner:**

C. Nick Clark, Risk Assessor  
OKRASR13910, CNRASR00036  
Cherokee Nation Environmental Programs  
PO Box 948, Tahlequah, OK 74465  
(918) 316-7451  
OKFIRM11198, CNFIRM00001

**Laboratory:**

Quantem Laboratories  
AIHA 101352, ELLAP 101959-0  
2033 Heritage Park Dr.  
Oklahoma City, OK 73120-7502  
(405) 755-7272

SUMMARY OF CLEARANCE RESULTS:

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Based on a visual assessment and dust sampling on July 29, 2022, dust-lead hazards, as defined by federal standards were not found. This was the first clearance for the site.

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

*C. Nick Clark*

Date: \_\_\_\_\_

*8-3-22*

## SUMMARY OF HAZARD REDUCTION ACTIVITIES

**Start and Completion Date:** 7/19/2021 to 7/29/2022

**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)

| <b>Location</b>                  | <b>Activity</b>   |
|----------------------------------|---|
| Bedroom 2                        | Door & Casing   |
| Front Porch                      | Ceiling & Header  |
| Exterior B side                  | Soffit  |
| <b>Description of Work:</b>      | Prior to initiating work, install one layer of six-mil plastic on bedroom 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 lead 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 |
|-------------------|--------------------|--------|--------------|-------|-----------|
| Porch Floor       | No                 | No     | No           |       | Pass      |
| Hall Floor        | No                 | No     | No           |       | Pass      |
| Living Room Floor | No                 | No     | No           |       | Pass      |
| Kitchen WT        | No                 | No     | No           |       | Pass      |
| Bedroom 2 WT      | 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       | Front Porch | Floor   | 144                              | 11                          | Pass      |
| 02       | Hall        | Floor   | 144                              | <5.0                        | Pass      |
| 04       | Living Room | Floor   | 144                              | <5.0                        | Pass      |
| 05       | Kitchen     | WT      | 21.25                            | 52                          | Pass      |
| 16       | Bedroom 2   | WT      | 34.38                            | 98                          | 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       | Drip Line | Bare            | 250                      | 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:** 349143  
**Date Received:** 08/01/22  
**Received By:** Baylie Longstreth  
**Date Sampled:**  
**Time Sampled:**  
**Analyst:** CR  
**Date of Report:** 08/02/22  
 AIHA L.A.P., LLC: 101352

**Client:** Cherokee Nation Environmental Programs  
 Carlton N Clark  
 PO Box 948  
 Tahlequah, OK 74464  
  
**Acct. No.:** C162  
  
**Project:** Harold Christian  
**Location:** Vinita  
**Project No.:** N/A

| Quantem ID | Client ID | Matrix | Parameter | Results | Reporting Limits | Units      | Date/Time Analyzed | Method             |
|------------|-----------|--------|-----------|---------|------------------|------------|--------------------|--------------------|
| 001        | 01        | Wipe   | Lead      | 11      | 5                | ug/sq. Ft. | 08/02/22 15:47     | NIOSH 7082         |
| 002        | 02        | Wipe   | Lead      | <5.0    | 5                | ug/sq. Ft. | 08/02/22 15:47     | NIOSH 7082         |
| 003        | 03        | Soil   | Lead      | 250     | 40               | mg/kg      | 08/02/22 15:47     | Soil EPA 7000B (1) |
| 004        | 04        | Wipe   | Lead      | <5.0    | 5                | ug/sq. Ft. | 08/02/22 15:47     | NIOSH 7082         |
| 005        | 05        | Wipe   | Lead      | 52      | 33               | ug/sq. Ft. | 08/02/22 15:47     | NIOSH 7082         |
| 006        | 06        | Wipe   | Lead      | 98      | 21               | ug/sq. Ft. | 08/02/22 15:47     | NIOSH 7082         |

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: 20188  
Test: Lead

Date: 8/1/2022  
Matrix: Soil

Lab Number: 349143  
Approved By: Cherry Rossen  
Date Approved: 8/1/2022

**Notes:**

**Blank Data:**

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

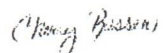
**Standards Data:**

| Standard | Low Limit | Obtained | High Limit |
|----------|-----------|----------|------------|
| CCV      | 2.2       | 2.7      | 2.8        |
| FCV      | 2.2       | 2.5      | 2.8        |
| RLYS     | 0.08      | 0.16     | 0.24       |
| 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 |
|---------------|--------|-------------|----------------|------------|---------------------|-----------------|-------------|
| LCS-S1        | 0.000  | 2.428       | 2.529          | 104.1      | 2.711               | 111.7           | 7.0         |
| 349064-012    | 0.020  | 2.000       | 2.170          | 107.5      |                     |                 |             |

  
 Authorized Signature: \_\_\_\_\_  
 Cherry Rossen, Technical Manager

## Supplemental Report QAQC Results

QA ID: 20195  
Test: Lead

Date: 8/2/2022  
Matrix: Wipe

Lab Number: 349143  
Approved By: Cherry Rossen  
Date Approved: 8/2/2022

**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       | 2.5      | 2.8        |
| FCV      | 2.2       | 2.6      | 2.8        |
| RLVS     | 0.05      | 0.09     | 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-W1         | 0.000  | 2.428       | 2.557          | 105.3      | 2.742               | 112.9           | 7.0         |

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

For Lab Use Only  
 Lab No. 349143  
 Accept  Reject

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

|   |  |   |  |
|---|--|---|--|
| <b>Contact Information</b><br>Company: Cherokee Nation Environmental Programs Phone: (918) 453-5000<br>Contact: C. Nicolas Clark Cell Phone: (918) 316-7451<br>Account #: C162 E-mail: cnicolas@cherokee.org<br>Name: C. Nicolas Clark Date: 07/29/2022 |  | <b>Project Information</b><br>Project Name: Harold Christian<br>Project Location: Vinita<br>Project ID: _____<br>P.O. Number: 271953  |  |
| <b>Report Results (one box)</b><br><input type="radio"/> QuantEM Website<br><input checked="" type="radio"/> Email cnicolas@cherokee.org<br><input type="radio"/> Other _____   |  | <b>Report Results (one box)</b><br><input type="radio"/> QuantEM Website<br><input checked="" type="radio"/> Email cnicolas@cherokee.org<br><input type="radio"/> Other _____ |  |

|                        |                             |   |                                       |
|------------------------|-----------------------------|---|---------------------------------------|
| <b>SAMPLED BY:</b><br> | <b>RELINQUISHED BY:</b><br> | <b>DATE &amp; TIME</b><br>07/29/22 4:30pm | <b>DATE &amp; TIME</b><br>8/1/22 9:15 |
| <b>VIA</b><br>Fed Ex   |                             | <b>RECEIVED BY</b><br>                    |                                       |

| No. | Sample ID<br>(10 Characters Max) | Sample Description | Volume or Area | Flame Atomic Absorption                       |                           |              |                             | Other Analysis | TURNAROUND TIME |
|-----|----------------------------------|--------------------|----------------|---|---------------------------|--------------|-----------------------------|----------------|-----------------|
|     |                                  |                    |                | EPA 7000B<br>wbs<br>ppm<br>mg/cm <sup>2</sup> | EPA 7000B<br>Bulk (mg/kg) | Soil (mg/kg) | Wipes (ug/ft <sup>2</sup> ) |                |                 |
| 1   | 01                               | Front Porch Floor  | 144 sq in      |   |                           |              | ✓                           |                | 24 - Hour       |
| 2   | 02                               | Hall Floor         | 144 sq in      |   |                           |              | ✓                           |                | 3 - Day         |
| 3   | 03                               | B Side Dripline    | Composite      |   |                           | ✓            |                             |                | 5 - Day         |
| 4   | 04                               | Living Room Floor  | 144 sq in      |   |                           |              | ✓                           |                |                 |
| 5   | 05                               | Kitchen WT         | 21.25 sq in    |   |                           |              | ✓                           |                |                 |
| 6   | 06                               | Bedroom 2 WT       | 34.38 sq in    |   |                           |              | ✓                           |                |                 |
| 7   |                                  |                    |                |   |                           |              |                             |                |                 |
| 8   |                                  |                    |                |   |                           |              |                             |                |                 |
| 9   |                                  |                    |                |   |                           |              |                             |                |                 |
| 10  |                                  |                    |                |   |                           |              |                             |                |                 |
| 11  |                                  |                    |                |   |                           |              |                             |                |                 |

REQUESTED SERVICES (Please check the Appropriate Boxes)

**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