

# CHEROKEE NATION

Environmental Programs



ORIGINAL

## LEAD-BASED PAINT CLEARANCE TEST

**PARTICIPANT:** ROBERTSON, JORDAN

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

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

GENERAL INFORMATION

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**Date of Clearance Inspection:** May 31, 2017

**Participant Name:**

Name: Jordan Robertson  
Phone: 918-214-5926  
Address: 1405 SW Jennings Ave, Bartlesville, OK 74003  
Coordinates: 36.738044 N°, -95.982131 W°  
Year of Home Construction: 1979

**Clearance Examiner:**

Logan Girty, Environmental Specialist I  
Cherokee Nation Environmental Programs  
PO BOX 948, Tahlequah, OK 74465  
918.453.5009 Ext. 6140  
Oklahoma Inspector/Risk Assessor, OKRASR13822  
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:**

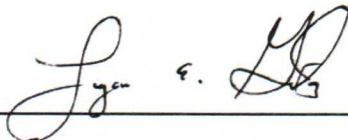
EMSL Analytical, Inc  
AIHA-ELLAP 102636  
3029 S. Jefferson  
Saint Louis, MO 63118  
314.577.0150

SUMMARY OF CLEARANCE RESULTS:

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Based on a visual assessment and dust sampling on May 31, 2017, dust-lead hazards, as defined by federal standards were not found. This is the second clearance performed for this site.

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



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

6/2/2017

## SUMMARY OF HAZARD REDUCTION ACTIVITIES

**Start and Completion Date:** May 17, 2017 to May 31, 2017 @ 2:20 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)

<b>Location</b>	<b>Activity</b>
Exterior	Side A Porch Ceiling & Beams
Exterior	Side A & C Door Casing, Side C Door
Exterior	Side B, C & D Windows/Window Casings
Interior	Laundry Room Ceiling
<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 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
Living Room	No	No	No		Pass
Bathroom	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	Living Room	Floor	12x12	<10	Pass
02	Bathroom 1	Floor	12x12	<10	Pass

HUD/EPA Clearance Standards for Lead in Dust: Floors 40µg /ft<sup>2</sup>, Interior window sill 250µg /ft<sup>2</sup>, Window trough: 400µg /ft<sup>2</sup>

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

**EMSL Analytical, Inc.**

3029 S. Jefferson, Saint Louis, MO 63118

Phone/Fax: (314) 577-0150 / (314) 776-3313

<http://www.EMSL.com>[saintlouislalab@emsl.com](mailto:saintlouislalab@emsl.com)

EMSL Order:	391705346
CustomerID:	CHER25
CustomerPO:	194230
ProjectID:	

Attn: <b>Logan Girty</b> <b>Cherokee Nation Environmental Programs</b> <b>206 East Allen Road</b> <b>Tahlequah, OK 74464</b>	Phone: (918) 453-5370 Fax: Received: 06/02/17 8:07 AM Collected:
Project: <b>Jordan Robertson</b>	

**Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)\***

<i>Client Sample Description</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Area Sampled</i>	<i>RDL</i>	<i>Lead Concentration</i>
01 391705346-0001		6/2/2017	144 in <sup>2</sup>	10 µg/ft <sup>2</sup>	<10 µg/ft <sup>2</sup>
02 391705346-0002		6/2/2017	144 in <sup>2</sup>	10 µg/ft <sup>2</sup>	<10 µg/ft <sup>2</sup>

\_\_\_\_\_  
 Jeff Siria, Laboratory Manager  
 or other approved signatory

\*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft<sup>2</sup> x area sampled in ft<sup>2</sup>. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft<sup>2</sup> which is dependent on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.  
 Samples analyzed by EMSL Analytical, Inc. Saint Louis, MO AIHA-LAP, LLC-ELLAP Accredited #102636

Initial report from 06/02/2017 10:53:04





EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS DIVISION

**Lead (Pb) Chain of Custody**

EMSL Order ID (Lab Use Only):

391705346

St. Louis, MO 63118

PHONE: (314)-577-0150

FAX: (314)-776-3313

Company: Cherokee Nation Environmental Programs		EMSL-Bill to: <input type="checkbox"/> Different <input checked="" type="checkbox"/> Same <small># Bill to is Different note instructions in Comments**</small>		
Street: 206 E. Allen Rd		Third Party Billing requires written authorization from third party		
City: Tahlequah	State/Province: OK	Zip/Postal Code: 74464	Country: United States	
Report To (Name): Logan Girty		Telephone #: 918-772-8346		
Email Address: logan-girty@cherokee.org		Fax #: 918-453-6140	Purchase Order: 194230	
Project Name/Number: JORDAN ROBERTSON		Please Provide Results: <input type="checkbox"/> FAX <input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Mail		
U.S. State Samples Taken: OK		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt		
Turnaround Time (TAT) Options* - Please Check				
<input type="checkbox"/> 3 Hour <input checked="" type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week				
<small>*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide</small>				
Matrix	Method	Instrument	Reporting Limit	Check
Chips <input type="checkbox"/> % by wt. <input type="checkbox"/> mg/cm <sup>2</sup> <input type="checkbox"/> ppm	SW846-7000B	Flame Atomic Absorption	0.01%	<input type="checkbox"/>
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	<input type="checkbox"/>
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	<input type="checkbox"/>
	NIOSH 7300 modified	ICP-AES/ICP-MS	0.5 µg/filter	<input type="checkbox"/>
Wipe* <small>ASTM <input checked="" type="checkbox"/>  non ASTM <input type="checkbox"/>  *If no box is checked, non-ASTM  Wipe is assumed</small>	SW846-7000B	Flame Atomic Absorption	10 µg/wipe	<input checked="" type="checkbox"/>
	SW846-6010B or C	ICP-AES	1.0 µg/wipe	<input type="checkbox"/>
	SW846-7000B/7010	Graphite Furnace AA	0.075 µg/wipe	<input type="checkbox"/>
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW846-1131/SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)	<input type="checkbox"/>
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)	<input checked="" type="checkbox"/>
	SW846-7010	Graphite Furnace AA	0.3 mg/kg (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	2 mg/kg (ppm)	<input type="checkbox"/>
Wastewater Unpreserved <input type="checkbox"/> Preserved with HNO <sub>3</sub> pH < 2 <input type="checkbox"/>	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.7	ICP-AES	0.020 mg/L (ppm)	<input type="checkbox"/>
Drinking Water Unpreserved <input type="checkbox"/> Preserved with HNO <sub>3</sub> pH < 2 <input type="checkbox"/>	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	<input type="checkbox"/>
TSP/SPM Filter	40 CFR Part 50	ICP-AES	12 µg/filter	<input type="checkbox"/>
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter	<input type="checkbox"/>
Other: <input type="checkbox"/>				
Name of Sampler: Logan Girty		Signature of Sampler: <i>Logan Girty</i>		
Sample #	Location	Volume/Area	Date/Time Sampled	
01	Living Room Floor	144 sq in	5/31/17 3:30 PM	
02	Bathroom 1 Floor	144 sq in	5/31/17 3:30 PM	
Client Sample #'s: -01 thru 02 Total # of Samples: 2				
Relinquished (Client):	Logan Girty	Date:	6/1/17	Time: 8:00 AM
Received (Lab):	<i>Kevin Smith</i>	Date:	6-2-17	Time: 8:07F
Comments: <u>810991800357</u>				



Jordan Robertson.

Viken Detection  
Pb200i  
XRF Lead Paint Analyzer  
3177  
Pb200i-5.3.1

Reading #	Pb	Units	Pb Error	Result	Secs	Date	Time	Room	Structure	Member	Substrate	Wall	Condition
1	1.03	mg/cm2	0.07		20.27	10/3/2024	14:30:57	Calibration					
2	1.04	mg/cm2	0.07		20.28	10/3/2024	14:31:39	Calibration					
3	0.98	mg/cm2	0.07		20.13	10/3/2024	14:32:20	Calibration					
4	0.6	mg/cm2	0.2	Negative	3	10/3/2024	15:47:46	Exterior	Room	Wall	Wood	A	Intact
5	0.2	mg/cm2	0.2	Negative	2	10/3/2024	15:48:08	Exterior	Room	Wall	Wood	B	Intact
6	0.2	mg/cm2	0.2	Negative	2	10/3/2024	15:48:31	Exterior	Room	Wall	Wood	C	Intact
7	0.3	mg/cm2	0.2	Negative	2	10/3/2024	15:49:02	Exterior	Room	Wall	Wood	D	Intact
8	1.04	mg/cm2	0.07		20.25	10/3/2024	15:53:53						
9	1.04	mg/cm2	0.07		20.2	10/3/2024	15:54:36						
10	0.99	mg/cm2	0.07		20.21	10/3/2024	15:55:16						

\* Readings of Vinyl Wrapped Exterior Walls Only