

CHEROKEE NATION

Environmental Programs



LEAD-BASED PAINT CLEARANCE TEST

PARTICIPANT: WICKLIFFE, SANDRA

PREPARED BY: LOGAN GIRTY, ENVIRONMENTAL SPECIALIST I

REQUESTED BY: HACN HOUSING REHABILITATION – GEORGE HUBBARD

GENERAL INFORMATION

Date of Clearance Inspection: December 1, 2016

Participant Name:

Name: Sandra Wickliffe
Phone: 918-955-6928 or 918-859-5427
Address: 5957 E King Pl, Tulsa, OK 74115
Coordinates: 36.168898 N°, -95.909424 W°
Year of Home Construction: 1953

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

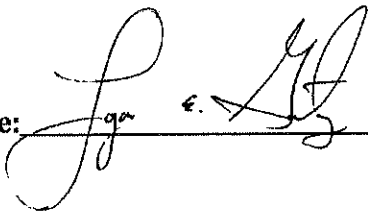
Laboratory:

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

SUMMARY OF CLEARANCE RESULTS:

Based on a visual assessment and dust sampling on December 1, 2016, dust-lead hazards, as defined by federal standards were not found.

Signature: _____



Date: 12/16/2016

SUMMARY OF HAZARD REDUCTION ACTIVITIES

Start and Completion Date: Completed 11/29/16 @ 5:00 PM

Firm Information:

Connelly Bros Construction
454381 E 993 Rd, Vian, OK
OKFIRM13378
Supervisor: Michael Connelly, OKSUVR13377

Description of Hazard Reduction Activities and Areas Addressed:
(Information in this section provided by Cherokee Nation Housing Rehabilitation Department)

Location	Activity
Exterior	Replace Front Entry Door & Door Casing
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
Porch Floor	No	No	No		Pass
Entry Floor	No	No	No		Pass
Window Trough	No	No	No		Pass
Soil	No	No	No		Pass

DUST LEAD HAZARD CLEARANCE EXAMINATION:

Sample #	Location	Surface	Dimensions of sample area (inch)	µg /ft²	Pass/Fail
01	Porch	Floor	12 x 12	14	Pass
02	Ext. Side A	Window Trough	1.5x18	<53	Pass
03	Entryway	Floor	12 x12	<10	Pass

HUD/EPA Clearance Standards for Lead In Dust: Floors 40µg /ft², Interior window sill 250µg /ft², Window trough: 400µg /ft²

SOIL LEAD HAZARD CLEARANCE EXAMINATION:

Sample #	Location	Bare or Covered	µg /g	Pass/Fail
05	Dripline	Bare	290	Pass

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> saintlouislaboratory@emsl.com

EMSL Order: 391611734
CustomerID: CHER25
CustomerPO: 194230
ProjectID:

Attn: **Logan Girty**
Cherokee Nation Environmental Programs
206 East Allen Road
Tahlequah, OK 74464

Phone: (918) 453-5370
Fax:
Received: 12/05/16 8:45 AM
Collected:

Project: **Sandra Wickliffe**

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

<i>Client SampleDescription</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Area Sampled</i>	<i>RDL</i>	<i>Lead Concentration</i>
01 391611734-0001		12/5/2016	144 in ²	10 µg/ft ²	14 µg/ft ²
02 391611734-0002		12/5/2016	27 in ²	53 µg/ft ²	<53 µg/ft ²
03 391611734-0003		12/5/2016	144 in ²	10 µg/ft ²	<10 µg/ft ²

Jeff Sina, 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/ft2 x area sampled in ft2. 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/ft² 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 12/05/2016 13:10:33



EMSL Analytical, Inc.

3029 S. Jefferson, Saint Louis, MO 63118
Phone/Fax: (314) 577-0150 / (314) 776-3313
<http://www.EMSL.com> saintlouislab@emsl.com

EMSL Order: 391611733
CustomerID: CHER25
CustomerPO: 194230
ProjectID:

Attn: **Logan Girty**
Cherokee Nation Environmental Programs
206 East Allen Road
Tahlequah, OK 74464

Phone: (918) 453-5370
Fax:
Received: 12/05/16 8:45 AM
Collected:

Project: **Sandra Wickliffe**

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

<i>Client Sample Description</i>	<i>Collected</i>	<i>Analyzed</i>	<i>RDL</i>	<i>Lead Concentration</i>
04 391611733-0001		12/5/2016	40 mg/Kg	290 mg/Kg

Jeff Siria, Laboratory Manager
or other approved signatory

*Analysis following Lead in Soil/Solids by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 40 mg/kg based on the minimum sample weight per our SOP. 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. Samples received in good condition unless otherwise noted. Results reported based on dry weight. "<" (less than) result 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 12/05/2016 15:28:24



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

391611733

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	
Street: 206 E. Allen Rd		if Bill to is Different note instructions in Comments**	
City: Tahlequah State/Province: OK		Third Party Billing requires written authorization from third party	
Report To (Name): Logan Girty		Zip/Postal Code: 74464	Country: United States
Email Address: logan-girty@cherokee.org		Telephone #: 918-772-8346	
Project Name/Number: SANDRA WICKLIFFE		Fax #: 918-453-6140	Purchase Order: 194230
U.S. State Samples Taken: OK		Please Provide Results: <input type="checkbox"/> FAX <input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Mail	
		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
Chips <input type="checkbox"/> % by wt. <input type="checkbox"/> mg/cm ² <input type="checkbox"/> ppm		SW846-7000B	Flame Atomic Absorption
Air		NIOSH 7082	Flame Atomic Absorption
		NIOSH 7106	Graphite Furnace AA
		NIOSH 7300 modified	ICP-AES/ICP-MS
Wipe* <input checked="" type="checkbox"/> ASTM non ASTM <input type="checkbox"/> *If no box is checked, non-ASTM Wipe is assumed		SW846-7000B	Flame Atomic Absorption
		SW846-6010B or C	ICP-AES
		SW846-7000B/7010	Graphite Furnace AA
TCLP		SW846-1311/7000B/SM 3111B	Flame Atomic Absorption
		SW846-1131/SW846-6010B or C	ICP-AES
Soil		SW846-7000B	Flame Atomic Absorption
		SW846-7010	Graphite Furnace AA
		SW846-6010B or C	ICP-AES
Wastewater Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>		SM3111B/SW846-7000B	Flame Atomic Absorption
		EPA 200.9	Graphite Furnace AA
		EPA 200.7	ICP-AES
Drinking Water Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>		EPA 200.9	Graphite Furnace AA
		EPA 200.8	ICP-MS
TSP/SPM Filter		40 CFR Part 50	ICP-AES
		40 CFR Part 50	Graphite Furnace AA
Other:			
Name of Sampler: Logan Girty		Signature of Sampler: <i>Logan Girty</i>	
Sample #	Location	Volume/Area	Date/Time Sampled
01	Porch Floor	144 sq in	12/1/16 11 AM
02	Window Trough	27 sq in	12/1/16 11 AM
03	Entryway Floor	144 sq in	12/1/16 11 AM
04	Soil		12/1/16 11 AM
Client Sample #'s: -01 thru 04		Total # of Samples: 4	
Relinquished (Client):	Logan Girty	Date: 12/1/16	Time: 4:00 PM
Received (Lab):	<i>Felicia Smith</i>	Date: 12 5 16	Time: 8:45 F
Comments:			
8100 33059603			