Lead-Based Paint Risk Assessment Report

For the Dwelling Located at:

#18345
918-333-9683
4106 Bonnie Lee Lane
Bartlesville, OK 74006
Year Built: 1930

Prepared For:

Cherokee Nation Housing Rehab
Using ODEQ, EPA and CN Work Practice Standards
Established in 40 CFR 745-227

Lab Analysis by
EMSL Analytical, INC.
3029 S. Jefferson
Saint Louis, MO 63118
Phone: (314) 577-0150 Fax: (314)776-3313

By:
Carlton N. Clark, Certified Risk Assessor
Expiration: March 31, 2015
P.O. Box 948
Tahlequah, OK 74465
(918) 453-4607
Niton Model #: XLp306A 26522

OK Risk Assessor OKRASR13777
OK Firm OKFIRM11198
CN Firm CNFIRM00001
CN Risk Assessor CNRASR00036

Date: 7-27-15

Signature: Nick Clark

Table of Contents

Part IV: Appendix

Part 1: Identifying Information

For the Dwelling Located at:

Phone Number: 918-333-9683
Address: 4106 Bonnie Lee Lane Bartlesville, OK 74006
Year of home construction: 1930

Part II: Results

COMPONENT	SUBSTRATE	SIDE	COLOR	SITE	ROOM	Results	PbC	PbC Error
Door	WOOD	B	White		DINING	Positive	< LOD	11.1
Door Trim	WOOD	B	White		DINING	Positive	7.3	4.2
Wall	DRYWALL	D	Tan		KITCHEN	Positive	2.4	1.2
Ceiling	DRYWALL	UPPER	White		KITCHEN	Positive	1.7	0.7
Ceiling	DRYWALL	UPPER	Tan		LAUNDRY	Positive	3.4	2.2
Window	WOOD	B	Tan		BATH 1	Positive	5.2	3.3
Ceiling	DRYWALL	UPPER	White		BATH 1	Positive	3	1.9
Door	WOOD	B	White		BR 1	Positive	3.3	2.2
Window	WOOD	C	White		BR 1	Positive	6.1	3.8
W Sill	WOOD	C	White		BR 1	Positive	6.7	4
Door	WOOD	C	White		BR 2	Positive	4.5	2.9
Door Trim	WOOD	C	White		BR 2	Positive	4.6	2.4
Window	WOOD	C	White		BR 2	Positive	4.7	2.9
W Sill	WOOD	C	White		BR 2	Positive	< LOD	12.6
Door	WOOD	A	White		BR 3	Positive	3	1.8
Door Casing	WOOD	A	White		BR 3	Positive	4.6	2.7
Window	WOOD	C	White		BR 3	Positive	< LOD	4.65
Door Trim	WOOD	C	White		BR 3	Positive	4.7	3.1
Wall	DRYWALL	A	Tan		BATH 2	Positive	< LOD	4.2
Wall	DRYWALL	B	Tan		BATH 2	Positive	7.5	4.3
Wall	WOOD	C	Tan		BATH 2	Positive	< LOD	2.4
Wall	DRYWALL	C	Tan		BATH 2	Positive	5.2	2.9
Window	WOOD	D	White		BATH 2	Positive	< LOD	3
W Sill	WOOD	D	White		BATH 2	Positive	2.4	1.2
Door	WOOD	D	Red		BR 4	Positive	< LOD	10.35
W Casing	WOOD	A	Brown		EXTERIOR	Positive	2.1	0.8
W Casing	WOOD	B	Brown		EXTERIOR	Positive	2.6	1.5
Door	WOOD	C	Brown		EXTERIOR	Positive	1.6	0.5
W Casing	WOOD	C	Brown		EXTERIOR	Positive	< LOD	7.65
W Casing	WOOD	D	Brown		EXTERIOR	Positive	5.5	3.6

List of Location and Type of Identified Lead Hazards

A few other painted surfaces that have not been tested for lead are in "fair" condition and should be repainted within the next year before further deterioration occurs. However, these surfaces are not considered to be immediate "hazards," using criteria in the 1995 *HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*. Those surfaces are:

There has not been any previous lead-based paint testing at this dwelling, although a lead-based paint inspection of all painted surfaces is recommended so that potential lead problems can be monitored before they become hazardous. Soil lead levels were all below 400ug/g. Current EPA and HUD Guidance for soil is 400ug/g for bare play areas and 1,200 ug/g for other areas. Using these criteria, soil is not a hazard at this property.
The owner has decided to select the following hazard control measures, which are all acceptable based on HUD's *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*:

Reevaluation: Standard Reevaluation Schedule 3 contained in the HUD Guidelines applies to this property, since one of the rooms had a dust lead level greater that the standard. Therefore, the dwelling should be reevaluated in N/A (12 months from now). If no lead-based paint hazards are identified at this time, no further reevaluations are needed. However, since lead-based paint may be present in the dwelling, the owner should monitor the condition of all painted surfaces at least annually or whenever other information indicates a potential problem

Resident Questionnaire

Children/Children's Habits

1. (a) Do you have any children that live in your home? Yes____ No __X__
   (b) If yes, how many? ____ Ages? ___ ___ ___ _____
   (c) Record blood lead levels, if known____ ____ ____ ____ ___ ____

IF NO CHILDREN, SKIP TO Q.5

2. Locate the rooms/areas where each child sleeps, eats, and plays.

Name of Child	Location of Bedroom	Location of All Rooms Where Child Eats	Primary Location Where Child Plays Indoors	Primary Location Where Child Plays Outdoors

3. Where are toys stored/kept?_____
4. Is there any visible evidence of chewed or peeling paint on the wood work, furniture, or toys? Yes_____ No __X__

Family Use Patterns

5. Which entrances are used most frequently? A side entrance
6. Which windows are opened most frequently? A Side
7. Do you use window air conditioners? If yes, where? _____
   (Condensation often causes paint deterioration)
8. (a) Do any household member engage in gardening? Yes_____ No_____
   (b) Record the location of any vegetable garden.____ _____ _____
   (c) Are you planning any landscaping activities that will remove grass or ground covering? Yes_____ No__X
9. (a) How often is the household cleaned? Occasionally
   (b) What cleaning methods do you use? Soap and water
10. (a) Did you recently complete any building renovations? Yes ____ No_X___
    (b) If yes, where? _____
    (c) Was building debris stored in the yard? If yes, where?_____
11. Are you planning any building renovations? Where?_____ No X
12. (a) Do any household members work in a lead-related industry? Yes____ No_X
    (b) If yes, where are dirty work clothes placed and cleaned?_____

Building Condition Form

CONDITION	YES	NO
Roof Missing Parts of Surfaces (tiles, boards, etc.)	X	
Roof Has Holes or Large Cracks	X	
Gutter or Downspouts Broken	X	
Chimney Masonry cracked, bricks loose or missing, obviously out of plumb		X
Exterior or interior walls have obvious large cracks or holes, requiring more than routine painting		X
Exterior siding has missing boards or shingles		X
Water stains on interior walls or ceilings	X	
Plaster walls deteriorated		X
Two or more windows or doors broken, missing, or boarded up		X
Porch or steps have major elements broken, missing, or boarded up		X
Foundation has major cracks, missing material, structural leans, or visibly unsound		X
Total	4	7

If the "Yes" column has 2 or more checks, the dwelling is considered to be in poor condition for the purposes of a risk assessment. However, specific conditions and extenuating circumstances should be considered before determining final condition of the building and the appropriateness of a lead hazard screen.

Notes:

Overall, the home is in "Fair" condition.

8. Dwelling Selection Process: N/A
9. Analysis of Previous XRF Testing Report: N/A

Field Sampling Form for Deteriorated Paint

Name of Risk Assessor Carlton Clark
Name of Property Owner_
Property Address 4106 Bonnie Lee Lane Bartlesville, OK 74006
Sampling Protocol Single-Family
Target Dwelling Criteria (Check All That Apply)

	Code Violations
X	Judged to be in Poor Condition
	Presence of 2 or More Children between Ages of 6 Months and 6 Years
	Serves as Day-Care Facility
	Recently Prepared for Re-occupancy
	Random Sampling
	None of the above

XRF 7/17/2015

COMPONENT	SUBSTRATE	SIDE	COLOR	SITE	ROOM	Results	PbC	PbC Err
Door	WOOD	B	White		DINING	Positive	< LOD	1
Door Trim	WOOD	B	White		DINING	Positive	7.3	
Wall	DRYWALL	D	Tan		KITCHEN	Positive	2.4	
Ceiling	DRYWALL	UPPER	White		KITCHEN	Positive	1.7	
Ceiling	DRYWALL	UPPER	Tan		LAUNDRY	Positive	3.4	
Window	WOOD	B	Tan		BATH 1	Positive	5.2	
Ceiling	DRYWALL	UPPER	White		BATH 1	Positive	3	
Door	WOOD	B	White		BR 1	Positive	3.3	
Window	WOOD	C	White		BR 1	Positive	6.1	
W Sill	WOOD	C	White		BR 1	Positive	6.7	
Door	WOOD	C	White		BR 2	Positive	4.5	
Door Trim	WOOD	C	White		BR 2	Positive	4.6	
Window	WOOD	C	White		BR 2	Positive	4.7	
W Sill	WOOD	C	White		BR 2	Positive	< LOD	1
Door	WOOD	A	White		BR 3	Positive	3	
Door Casing	WOOD	A	White		BR 3	Positive	4.6	
Window	WOOD	C	White		BR 3	Positive	< LOD	4
Door Trim	WOOD	C	White		BR 3	Positive	4.7	
Wall	DRYWALL	A	Tan		BATH 2	Positive	< LOD	
Wall	DRYWALL	B	Tan		BATH 2	Positive	7.5	
Wall	WOOD	C	Tan		BATH 2	Positive	< LOD	
Wall	DRYWALL	C	Tan		BATH 2	Positive	5.2	
Window	WOOD	D	White		BATH 2	Positive	< LOD	
W Sill	WOOD	D	White		BATH 2	Positive	2.4	
Door	WOOD	D	Red		BR 4	Positive	< LOD	10
W Casing	WOOD	A	Brown		EXTERIOR	Positive	2.1	
W Casing	WOOD	B	Brown		EXTERIOR	Positive	2.6	
Door	WOOD	C	Brown		EXTERIOR	Positive	1.6	
W Casing	WOOD	C	Brown		EXTERIOR	Positive	< LOD	7
W Casing	WOOD	D	Brown		EXTERIOR	Positive	5.5	

Please see summary report of lead paint inspection on next page

Sample all layer of paint, not just deteriorated paint layers

Total Number of Samples This Page 30

Page 1 of 1

Date of Sample Collection 7/17/2015 Date shipped to lab 7/22/2015

Field Sampling Form for Dust

(Single Surface)

Sample Number	Room (Record Name of Room Used by the Owner or Resident)	Surface Type	Is Surface Smooth and Cleanable?	Dimension[1] of Sample Area (inches x inches)	Area (In2)	Result of Lab Analysis (ug/ft²)
01	Living Room	Floor	Yes	12X12	144	<10
02	**Living Room**	**W/S**	**Yes**	**2.25X28.25**	**63.56**	**390**
03	Laundry Room	Floor	Yes	12X12	144	36
04	Laundry Room	W/S	Yes	2.5X17	33.5	61
05	Bathroom 1	Floor	Yes	12X12	144	<10
06	Bathroom 1	W/S	Yes	3X33.75	101.25	110
07	Basement Den	Floor	Yes	12X12	144	<10
08	Bedroom 4	W/S	Yes	4.75X22	104.5	17

[1] Measure to the nearest ⅛ inch

Total Number of Samples This Page 8

Page 1 of 1

Date of Sample Collection 7/17/2015 Date shipped to lab 7/22/2015

Shipped by Carlton N. Clark (signature) Received by EMSL (signature)

HUD Standards: 40 ug/ft² (floors).250 ug/ft² (interior window sills).400 ug/ft² (window troughs)

Field Sampling Form for Soil

(Composite Sampling Only)

Name of Risk Assessor Carlton N. Clark
Name of Property Owner_
Property Address 4106 Bonnie Lee Lane Bartlesville, OK 74006
Sampling Protocol Single-Family

SAMPLE NO.	LOCATION	BARE OR COVERED	LAB RESULTS mg/Kg
01	Dripline	Covered	930

Collect only the ½" of soil

Total Number of Samples This Page 1
Page 1 of 1

Date of Sample Collection 7/17/2015 Date shipped to lab 7/22/2015

Shipped by Carlton N. Clark (signature) Received by EMSL (signature)

13. Other Sampling Results: N/A

Part III: Lead Hazard Control Options

14. Lead-Based Paint Policy Statement

On File CNEP and Cherokee Nation Housing Rehab

15. Name of Individual in Charge of Lead-Based Paint Hazard Control Program:

Cherokee Nation Housing Rehab (George Hubbard)

16. Recommended Changes to Work Order System and Property Management

The existing work order system is an informal verbal one. If painted surfaces will be disturbed during a particular repair job, the painted surface should be tested to determine if it has lead-based paint on it. If it does (or if testing is not completed), the maintenance worker should take the necessary precautions by wetting down the surface and performing

cleanup. If the surface area is large or if the work will generate a significant amount of dust, clearance testing should be completed before residents move back into the room. The table below can be used as a general guide in determining whether maintenance jobs are likely to be high risk or low risk.

When work is assigned, the owner or worker should determine whether or not the job is low or high risk and adopt protective measures as needed.

Table 17.1 (Taken from HUD Guidelines
Summary of Low-and High-Risk Job Designations for Surfaces Known or Suspected to Have Lead-Based Paint

Job Description	Low Risk	High Risk
Repainting (includes surface Preparation)		√
Plastering or wall repair		√
Window repair		√
Water or moisture damage repair (repainting and plumbing)		√
Door repair	√	
Building component replacement		√
Welding on Painted Surfaces		√
Door lock repair or replacement	√	
Electrical fixture repair	√	
Floor refinishing		√
Carpet replacement		√
Groundskeeping	√	
Radiator leak repair	√	
Baluster repair (metal)		√
Demolition		√

High-risk jobs typically disturb more than 2 square feet per room. If these jobs disturb less than 2 square feet, then they can be considered low-risk jobs.

Table 17.2

	Low Risk	High Risk
Worksite preparation with plastic sheeting (6 mil thick)	Plastic sheet no less than 5 feet immediately underneath work area	Whole floor, plus simple airlock at door or tape door shut
Children kept out of work area	Yes	Yes
Resident relocation during work	No	Yes
Respirators	Probably not necessary*	Recommended
Protective clothing Note: Protective shoe coverings are not to be worn on ladders, scaffolds, etc.	Probably not necessary*	Recommended
Personal hygiene (enforced hand washing after job)	Required	Required
Showers	Probably not necessary	Recommended
Work practices	Use wet methods, except near electrical circuits	Use wet methods, except near electrical circuits
Cleaning	Wet cleaning with lead-specific detergent trisodium phosphate or other suitable detergent around the work area only (2 linear feet beyond plastic)	HEPA vacuum/wet wash/HEPA vacuum the entire work area
Clearance	Visual examination only	Dust sampling during the preliminary phase of the maintenance program and periodically thereafter (not required for every job)

- **Employers must have objective data showing that worker exposures are less than the OSHA Permissible Exposure Limit of 50ug/m3 if respirators and protective clothing will not be provided.**

17. Interim Control Options and Estimated Costs

The costs shown below include labor, materials, worker protection, site containment and cleanup. These are only very rough estimates that may not be accurate; a precise estimate should be obtained from a certified lead-based paint abatement contractor. I would be pleased to perform clearance testing after this work has been completed at your request.

COMPONENT	SUBSTRATE	SIDE	ROOM	Recommendations
Door	WOOD	B	DINING	Wetscrape and Repaint
Door Trim	WOOD	B	DINING	Wetscrape and Repaint
Wall	DRYWALL	D	KITCHEN	Wetscrape and Repaint
Ceiling	DRYWALL	UPPER	KITCHEN	Wetscrape and Repaint
Ceiling	DRYWALL	UPPER	LAUNDRY	Wetscrape and Repaint
Window	WOOD	B	BATH 1	Wetscrape and Repaint
Ceiling	DRYWALL	UPPER	BATH 1	Wetscrape and Repaint
Door	WOOD	B	BR 1	Wetscrape and Repaint
Window	WOOD	C	BR 1	Wetscrape and Repaint
W Sill	WOOD	C	BR 1	Wetscrape and Repaint
Door	WOOD	C	BR 2	Wetscrape and Repaint
Door Trim	WOOD	C	BR 2	Wetscrape and Repaint
Window	WOOD	C	BR 2	Wetscrape and Repaint
W Sill	WOOD	C	BR 2	Wetscrape and Repaint
Door	WOOD	A	BR 3	Wetscrape and Repaint
Door Casing	WOOD	A	BR 3	Wetscrape and Repaint
Window	WOOD	C	BR 3	Wetscrape and Repaint
Door Trim	WOOD	C	BR 3	Wetscrape and Repaint
Wall	DRYWALL	A	BATH 2	Wetscrape and Repaint
Wall	DRYWALL	B	BATH 2	Wetscrape and Repaint
Wall	WOOD	C	BATH 2	Wetscrape and Repaint
Wall	DRYWALL	C	BATH 2	Wetscrape and Repaint
Window	WOOD	D	BATH 2	Wetscrape and Repaint
W Sill	WOOD	D	BATH 2	Wetscrape and Repaint
Door	WOOD	D	BR 4	Wetscrape and Repaint
W Casing	WOOD	A	EXTERIOR	Wetscrape and Repaint
W Casing	WOOD	B	EXTERIOR	Wetscrape and Repaint
Door	WOOD	C	EXTERIOR	Wetscrape and Repaint
W Casing	WOOD	C	EXTERIOR	Wetscrape and Repaint
W Casing	WOOD	D	EXTERIOR	Wetscrape and Repaint

18. Acceptable Abatement Options and Estimated Costs

COMPONENT	SUBSTRATE	SIDE	ROOM	Recommendations
Door	WOOD	B	DINING	Replace
Door Trim	WOOD	B	DINING	Replace
Wall	DRYWALL	D	KITCHEN	Encapsulate or Enclose
Ceiling	DRYWALL	UPPER	KITCHEN	Replace or Encapulate
Ceiling	DRYWALL	UPPER	LAUNDRY	Replace or Encapsulate
Window	WOOD	B	BATH 1	Replace
Ceiling	DRYWALL	UPPER	BATH 1	Replace or Encapsulate
Door	WOOD	B	BR 1	Replace
Window	WOOD	C	BR 1	Replace
W Sill	WOOD	C	BR 1	Replace
Door	WOOD	C	BR 2	Replace
Door Trim	WOOD	C	BR 2	Replace
Window	WOOD	C	BR 2	Replace
W Sill	WOOD	C	BR 2	Replace
Door	WOOD	A	BR 3	Replace
Door Casing	WOOD	A	BR 3	Replace
Window	WOOD	C	BR 3	Replace
Door Trim	WOOD	C	BR 3	Replace
Wall	DRYWALL	A	BATH 2	Encapsulate or Enclose
Wall	DRYWALL	B	BATH 2	Encapsulate or Enclose
Wall	WOOD	C	BATH 2	Encapsulate or Enclose
Wall	DRYWALL	C	BATH 2	Encapsulate or Enclose
Window	WOOD	D	BATH 2	Replace
W Sill	WOOD	D	BATH 2	Replace
Door	WOOD	D	BR 4	Replace
W Casing	WOOD	A	EXTERIOR	Enclose or Encapsulate
W Casing	WOOD	B	EXTERIOR	Enclose or Encapsulate
Door	WOOD	C	EXTERIOR	Enclose or Encapsulate
W Casing	WOOD	C	EXTERIOR	Enclose or Encapsulate
W Casing	WOOD	D	EXTERIOR	Enclose or Encapsulate

19. Reevaluation and Monitoring Schedule

Each of these treatments will need to be reexamined periodically to make certain that they remain effective and to ensure that new lead-based paint hazards do not appear. The interim controls shown above are less expensive initially, but they may be more expensive in the long run since they need to be reevaluated more frequently. The replacement and paint removal methods are more expensive initially, but do not require any reevaluation.

The owner should monitor the condition of the paint at least annually or if there is some indication that paint might be failing. A professional reevaluation is also needed. The standard schedule for reevaluation the dwelling is shown above.

Reevaluation: Standard Reevaluation Schedule 3 contained in the HUD Guidelines applies to this property, since one of the rooms had a dust lead level greater than the standard. Therefore, the dwelling should be reevaluated in ___N/A___ 12 months from now). If no lead-based paint hazards are identified at that time, another reevaluation should be conducted in ___N/A___ (2 years later). If no lead-based paint hazards are identified at that time, no further reevaluations are needed. However, since lead-based paint may be present in the dwelling, the owner should monitor the condition of all painted surfaces at least annually or whenever other information indicates a potential problem.

Part IV: Site Specific Lead Hazard Control Plan

20. Lead Hazard Control Option to Be Implemented in This Property

I recommend abatement options be implemented on all areas with Lead Based Paint

21. Training Plan for Managers, Maintenance Supervisors and Workers

On File at Cherokee Nation Housing Rehab

22. Method of Resident Notification of Results of Risk Assessment and Lead Hazard Control Program

In Person by Cherokee Nation Housing Rehab

23. Signatures (Risk Assessor and Owner), Date and Certificate of Lead-Based Paint Compliance

_____ _____

Owner Signature Date

_____

Certified Risk Assessor Signature Date

Certificate of Lead-Based Paint Compliance

I hereby certify that on_____the dwelling located at_____ meets the criteria established by the Department of Housing and Urban Development for lead safety. Either no lead-based paint hazards were identified or all lead-based paint hazards have been corrected.

_____

Owner

_____

Authorized Signature

Risk Assessor License # _____

Expiration Date:_____.

Cherokee Nation
Environmental Programs

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	391506534
CustomerID	CHER25
CustomerPO	163155
ProjectID	

Attn: **Nick Clark**
Cherokee Nation Environmental Programs
206 East Allen Road
Tahlequah, OK 74464

Phone	(918) 453-5370
Fax	
Received	07/24/15 9:50 AM
Analysis Date	7/27/2015
Collected	

Project: **Ruth Nash**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
01-01 391506534-0001		Various Non-Fibrous Heterogeneous	27% Cellulose	73% Non-fibrous (other)	**None Detected**

Analyst(s)

See Ferrano (1)

Jeff Sina, Laboratory Manager
or other approved signatory

Initial report from 07/27/2015 10:14:24

OrderID: 391506534

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only): 391506534

EMSL Analytical, Inc.
3029 S. Jefferson
St. Louis, MO 63118
PHONE: (314)-577-0150
FAX: (314)-776-3313

Company: Cherokee Nation Environmental Programs	EMSL-Bill to: ☑ Same ☐ Different If Bill to is Different note instructions in Comments**
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): C. Nick Clark	Telephone #: 918-316-7451
Email Address: carlton-clark@cherokee.org	Fax #: — Purchase Order: 163155
Project Name/Numbe	Please Provide Results: ☐ Fax ✓ Email ☐ Mail
U.S. State Samples Taken: OK	CT Samples: ☐ Commercial/Taxable ☐ Residential/Tax Exempt

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☒ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

*For TEM Air 3 hr through 6 hr, please call ahead to schedule.*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.*

PLM - Bulk (reporting limit)	TEM – Bulk
☒ PLM EPA 600/R-93/116 (<1%)	☐ TEM EPA NOB – EPA 600/R-93/116 Section 2.5.5.1
☐ PLM EPA NOB (<1%)	☐ NY ELAP Method 198.4 (TEM)
Point Count ☐ 400 (<0.25%) ☐ 1000 (<0.1%)	☐ Chatfield Protocol (semi-quantitative)
Point Count w/Gravimetric ☐ 400 (<0.25%) ☐ 1000 (<0.1%)	☐ TEM % by Mass – EPA 600/R-93/116 Section 2.5.5.2
☐ NIOSH 9002 (<1%)	☐ TEM Qualitative via Filtration Prep Technique
☐ NY ELAP Method 198.1 (friable in NY)	☐ TEM Qualitative via Drop Mount Prep Technique
☐ NY ELAP Method 198.6 NOB (non-friable-NY)	**Other**
☐ OSHA ID-191 Modified	☐
☐ Standard Addition Method	

☐ Check For Positive Stop – Clearly Identify Homogenous Group — Date Sampled: 7/17/15

Samplers Name: Nick Clark — Samplers Signature: C. Nick Clark

Sample #	HA #	Sample Location	Material Description
01-01	1	ROOF	SHINGLE

Client Sample # (s): 01-01 - 01-01 — Total # of Samples: 1

Relinquished (Client): Nick Clark — Date: 7/22/15 — Time: 8 AM

Received (Lab): [signature] — Date: 7-24-15 — Time: 9:50A

Comments/Special Instructions: