

LEAD BASED PAINT INSPECTION & RISK ASSESSMENT

**2517 Texoma Drive
Oklahoma City, Oklahoma 73119
May 14, 2009**

Prepared by:

Prepared for:

TABLE OF CONTENTS

1.0 EXECUTIVE SUMMARY

- 1.1 Scope of Work
- 1.2 Limitations
- 1.3 Property Information
- 1.4 General Information
- 1.5 Disclosure Requirement
- 1.6 Findings
 - 1.6.1 Visual Inspection
 - 1.6.2 Identified Lead-Based Paint (by XRF Inspection)
 - 1.6.3 Identification of Lead Based Paint Hazards

2.0 METHODOLOGY

- 2.1 Definitions
- 2.2 Inspection Procedure
- 2.3 Risk Assessment Procedure

3.0 MANAGEMENT INFORMATION

- 3.1 Interim Control Options and Cost Estimate
- 3.2 Abatement Options and Cost Estimate
- 3.3 Reevaluation Schedule
- 3.4 Ongoing Monitoring

4.0 EMPLOYEE TRAINING AND RESIDENT NOTIFICATION INFORMATION

LIST OF APPENDICES

- Appendix A: HUD Forms
- Appendix B: Sample Summary Report
- Appendix C: Laboratory Report
- Appendix D: Room Legend (Figure)
- Appendix E: Sample Legend (Figure)
- Appendix F: XRF Report
- Appendix G: Certificates

EXECUTIVE SUMMARY

1.1 Scope of Work

_____ was contracted by _____, to conduct a Lead Based Paint Inspection and Risk Assessment on the subject property located at 2517 Texoma Drive in Oklahoma City, Oklahoma 73119. The purpose of conducting the inspection was to determine the presence or absence of lead-based paint. The purpose of conducting the risk assessment was to determine the presence or absence of lead based paint hazards associated with elevated lead levels in dust and/or soil. The lead-based paint inspection and risk assessment was performed on Thursday, May 14, 2009, by _____.

1.2 Limitations

Environmental conditions are subject to change and conditions reported herein apply only to the date and time of the testing. Therefore, changes in environmental conditions including, but not limited to the condition of painted components that may change following the inspection but prior to any interim controls or abatement activities. Those areas that are not accessible at the time of the inspection and risk assessment should be considered positive for the presence of lead-based paint and lead hazards.

This document is the rendering of a professional service, the essence of which is to render advise, judgment, opinion, or professional skill. No attempt was made to document the condition of each and every structural or nonstructural element. In the event that additional information becomes available that could affect the conclusions reached in this investigation, _____ reserves the right to review and change if required, some or all of the opinions presented herein.

1.3 Property Information

The property inspected is located at 2517 Texoma Drive in Oklahoma City, Oklahoma 73119. It is owned by the United States Government

The owner's phone number is _____. The property inspected is a single-story masonry skirted and wood frame construction residential dwelling with white vinyl siding and metal trim (pier and beam construction). The interior consists of white wood trim, drywall walls and ceilings and wood doors and door trim. The structure was built in 1953 and is approximately 784 square feet.

1.4 General Information

Inspection/Risk Assessment Date: Thursday, May 14, 2009

Inspection/Risk Assessment Site: 2517 Texoma Drive
Oklahoma City, Oklahoma 73119

Construction Date: 1953

Square Footage: 784

Owner: United States Government

XRF Manufacturer: NITON Corporation

XRF Model/Serial Number:

XRF Source and Strength/Resourcing Date: Cd¹⁰⁹/40 mCi/April 15, 2006

QA/QC: HUD and Manufacturer's Recommended Calibration Checks

Specific Locations: See Room Legend and the XRF Report
(See **Appendix D** and **Appendix F**)

Laboratory Information:

LBP Inspector/Risk Assessor Name/Firm:

Certification Numbers:

Signature:

1.5 Disclosure Requirement

A copy of this summary must be provided to new lessees (tenants) and/or purchasers of this property under Federal law (24 CFR Part 35 and 40 CFR Part 745) before they become obligated under a lease or sales contract. The complete report must also be provided to new purchasers and it must be made available to new tenants. Landlords (lessors) and/or sellers are also required to distribute an educational pamphlet approved by the U.S. Environmental Protection Agency and include standard warning language in their leases or sales contracts to ensure that parents have the information they need to protect their children from lead-based paint hazards (*See Section IV of Chapter 7 of the HUD Guidelines* for further details).

1.6 Findings

1.6.1 Visual Inspection

A visual inspection of the exterior of the home indicated that the home itself was in good repair and that painted surfaces appeared to be intact with the following exceptions: Side A, Porch Ceiling, Upper Trim (over garage door), Porch Railing, Entry Door and Door Trim. Side B, vinyl siding was missing/damaged on lower wall. A visual inspection of the interior of the home indicated that the home itself was in good repair and that painted surfaces appeared to be intact with the following exceptions: doors and door trim, ceilings, walls, wall trim, and kitchen cabinets (*See Appendix F* for details).

1.6.2 *Identified Lead-Based Paint (by XRF Inspection)*

Lead-based paint was found in a concentration greater than the federal threshold of 1.0 mg/cm² on the following testing combinations. All testing combinations not specifically tested, but identical to those represented below should be considered positive for lead-based paint unless otherwise noted.

2517 Texoma Drive Oklahoma City, OK 73107 5-14-09									
Int.	Ext.	Rdng #	Side	Room #/ Equivalent	Source	Sub.	Feature	Cond	Clr
X		63	B	Room 4	Door	Wood	Jamb	Poor	White
X		64	B	Room 4	Door	Wood	Door	Poor	White
X		93	C	Room 6	Wall	Metal	Tub	Poor	White
	X	142	A	Outside	Porch	Wood	Ceiling	Poor	White
	X	148	A	Outside	Porch	Wood	Threshold	Poor	White
	X	178	C	Outside	Wall	Metal	Pipe	Poor	Beige
	X	182	D	Outside	Window	Wood	Sash	Poor	White
	X	185	D	Outside	Wall	Metal	Upper Trim	Intact	White

See **Appendix F: XRF Report** for detailed testing combinations and testing locations.

1.6.3 *Identification of Lead Based Hazards*

Both a visual and XRF inspection indicated that lead hazards did exist, and the following testing combinations tested positive for lead based paint and were in poor condition. Dust wipe samples collected did indicate the presence of excessive lead in dust. Soil samples collected did not indicate the presence of excessive lead in soil. See **Appendix B: Sample Summary (Table 1)** and **Appendix F: XRF Report** for details.

2517 Texoma Drive Oklahoma City, OK 73107 5-14-09									
Int.	Ext.	Rdng #	Side	Room #/ Equivalent	Source	Sub.	Feature	Cond	Clr
X		63	B	Room 4	Door	Wood	Jamb	Poor	White
X		64	B	Room 4	Door	Wood	Door	Poor	White
X		93	C	Room 6	Wall	Metal	Tub	Poor	White
	X	142	A	Outside	Porch	Wood	Ceiling	Poor	White
	X	148	A	Outside	Porch	Wood	Threshold	Poor	White
	X	178	C	Outside	Wall	Metal	Pipe	Poor	Beige
	X	182	D	Outside	Window	Wood	Sash	Poor	White

METHODOLOGY

2.1 Definitions

Lead-based paint is paint, varnish, shellac, or other coating on surfaces that contain 1.0mg/cm² or of lead by XRF instrument testing or 0.5 % or more lead by weight. *Lead-based paint hazards* are any conditions that have the potential to create an exposure to lead-contaminated dust, lead-contaminated soil, or lead-contaminated paint that is deteriorated or present in accessible surfaces, friction surfaces, or impact surfaces that would result in adverse human health effects as identified by the EPA Administrator under TSCA Section 403. *Lead-based paint inspection* is a surface-by-surface investigation to determine the presence of lead-based paint as well as the condition of the paint (intact, fair or poor).

Definition of Paint Condition			
Type of Building Component	Intact	Fair	Poor
Exterior components with large surface areas.	Entire Surface is intact.	≤ 10 ft ²	≥ 10 ft ²
Interior components with large surface areas (walls, ceilings, floors, doors).	Entire Surface is intact.	≤ 2 ft ²	≥ 2 ft ²
Interior and exterior components with small surface areas (window sills, baseboards, soffits, trim).	Entire Surface is intact.	≤ 10 %	≥ 10 %
¹ Building component in this table refers to each individual component or side of building, not the combined surface area of all similar components in a room (e.g. a wall with 1ft ² of deteriorated paint is in "fair" condition, even if the other three walls in a room are intact). ² Surfaces in "fair" condition should be repaired and/or monitored, but are not considered to be "lead-based paint hazards" as defined in Title X. ³ Surfaces in "poor" condition are considered to be "lead-based paint hazards" as defined in Title X and should be addressed through abatement or interim controls.			

A *room equivalent* is an identifiable part of a structure, such as a room, an exterior side, or an exterior area. Hallways, stairways, and exterior areas, such as loading docks, parking lots, and each side of a structure, are all examples of *room equivalents*.

Each *room equivalent* is made up of *components*. *Components* may be located inside or outside a structure. For example, *components* in a room are the ceiling, floor, walls, a door and its casing, the window sash, and window casings. The *substrate* is the material underneath the paint. Many substrates exist, however, the HUD Guidelines recommend classifying substrates into one of six *substrate* types: brick, concrete, drywall, metal, plaster, and wood. These *substrate* types are intended to include a broad range of materials. If the true substrate is not one of the six types, the *substrate* that most closely matches the *substrate* directly beneath the painted surface is used. A *testing combination* is characterized by the *room equivalent*, *component*, *substrate* and identified by the visible color of paint. The *test location* is a specific area on a *testing combination* where the XRF instrument tests for lead-based paint.

2.2 Inspection Procedure

Testing of paint was performed using a NITON X-Ray Fluorescence Spectrometer (XRF), Model XL-309, Serial Number U445NR6646. The inspection procedure complies with the EPA Performance Characteristic Sheet (PCS) for the specific XRF instrument used during the inspection, this includes adhering to the manufacturer's modifications and recommendations. The specific instrument used was manufactured by NITON Corporation, 900 Middlesex Turnpike, Building 8, Billerica, Massachusetts 01821. The lead-based paint inspection and testing protocols followed are found in the *HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (June 1995), Chapter 7 (1997 Revision)* and all State and Local regulations were followed. The standard threshold for lead-based paint as per HUD/EPA and the Oklahoma Department of Environmental Quality of 1.0 mg/cm² was utilized for classification of positive (above the threshold) and negative (below the threshold). When evaluating this report, it is assumed that (according to **Chapter 7 of the HUD Guidelines**) if one testing combination is positive for lead-based paint, then all other similar testing combination in are positive. The same assumption applies to negative readings. Any inconclusive readings are immediately followed by an additional reading of the same testing combination and test location.

2.3 Risk Assessment Procedures

A visual inspection was performed prior to the collection of all dust wipe samples. The visual inspection was performed utilizing professional judgment and skill. All dust wipe samples were collected utilizing approved ASTM (E-1792-03) standardized wipes and 50 ml centrifuge tubes. Each dust wipe sample was collected utilizing a new pair of Nitrile gloves, a decontaminated template (using sterile wipes), an approved ASTM wipe, and a sterile 50 ml centrifuge tube. A template measuring 12" x 12" was utilized for the collection of floor dust wipe samples. A template measuring 2" x 18" was utilized for the collection of window sill and trough dust wipe samples. All dust wipe samples were collected according to the Standard Practice for Collection of Settled Dust Samples Using Wipe Sampling Methods for Subsequent Lead Determination (ASTM E 1728-03). Any field blank samples were collected and submitted as a "blind" sample to the laboratory. A *field blank* is submitted for every dwelling or for every day of sample collection in the event multiple dwellings are sampled. A *trip blank* is submitted for every 50 samples. *Trip blank* media (tubes, wipes, etc.) are provided to the laboratory by the inspector and are done on a per lot basis (per lot of tubes, wipes, etc.). All soil samples were composites and included the top ½ inch of soil per subpart.

MANAGEMENT INFORMATION

3.1 Interim Control Options and Cost Estimate

Interim controls are intended to temporarily control lead-based paint hazards, as opposed to abatement, which is intended to permanently control lead-based paint and other lead hazards. Interim controls include specialized cleaning, repairs, maintenance, painting, temporary containment, ongoing monitoring of lead-based hazards and the establishment and implementation of management and resident education programs. Interim control measures are fully effective only as long as they are carefully monitored, maintained, and periodically and professionally reevaluated. If interim controls are properly maintained, they can be effective indefinitely. As long as surfaces are covered with lead-based paint, however, they constitute a potential lead hazard.

LEAD BASED PAINT HAZARDS <i>2517 Texoma Drive</i> <i>Oklahoma City, OK 73107</i> <i>5-14-09</i>		
Description (Room, Side, Source, Color, Substrate, Feature)	Interim Control Option	Estimated Cost
Room 4, Side B, Door and Door Jamb, White, Wood.	Stabilize & Repaint	\$500.00
Room 6, Side C, Wall, Tub, White, Metal.	Stabilize & Repaint	\$500.00
Outside, Side A, Porch, Ceiling, White, Wood.	Stabilize & Repaint	\$500.00
Outside, Side A, Porch, Threshold (Entry Door), White, Wood.	Stabilize & Repaint	\$150.00
Outside, Side C, Wall, Pipe, Beige, Metal.	Stabilize & Repaint	\$50.00
Outside, Side D, Window, Sash, White, Wood.	Stabilize & Repaint	\$250.00
Removal of Lead Dust (Rooms 4 and 5)	Specialized Cleaning	\$250.00

Costs are based on performing interim control options using workers trained in lead-based paint safe work practices. Costs may not include specialized cleaning necessary for achieving clearance. Although costs are itemized, bid is based on performing all work as one project. Cost does not include clearance testing which must be conducted upon completion of work.

3.2 *Abatement Options and Cost Estimate*

Abatement is intended to permanently (20 years or longer) control lead-based paint and other lead hazards. Abatement includes removal and replacement and enclosure or encapsulation.

LEAD BASED PAINT HAZARDS 2517 Texoma Drive Oklahoma City, OK 73107 5-14-09		
Description (Room, Side, Source, Color, Substrate, Feature)	Abatement Option	Estimated Cost
Room 4, Side B, Door and Door Jamb, White, Wood.	Chemical Strip & Repaint	
Room 6, Side C, Wall, Tub, White, Metal.	Chemical Strip & Repaint	
Outside, Side A, Porch, Ceiling, White, Wood.	Chemical Strip & Repaint	
Outside, Side A, Porch, Threshold (Entry Door), White, Wood.	Chemical Strip & Repaint	
Outside, Side C, Wall, Pipe, Beige, Metal.	Chemical Strip & Repaint	
Outside, Side D, Window, Sash, White, Wood.	Chemical Strip & Repaint	
Removal of Lead Dust (Rooms 4 and 5)	Specialized Cleaning	

Costs are based on performing interim control options using workers trained in lead-based paint safe work practices. Costs may not include specialized cleaning necessary for achieving clearance. Although costs are itemized, bid is based on performing all work as one project. Cost does not include clearance testing which must be conducted upon completion of work.

3.3 *Reevaluation Schedule*

Reevaluation should occur annually or sooner if there is an indication of possible deterioration of lead based paint.

3.4 *Ongoing Monitoring*

Ongoing monitoring is required in those situations where lead-based paint is known or suspected to be present, regardless of current paint condition. Ongoing monitoring consists of reevaluations performed by certified risk assessors and visual surveys conducted by property owners. Visual surveys should be conducted by owners at least once a year or whenever significant damage occurs, the dwelling becomes vacant or the owner receives a tenant complaint. Reevaluation protocol includes the following:

1. Visual examination of all control measures to determine if paint is still intact and controls are maintained. If any lead hazard control measure is failing, acceptable options for controlling the hazard should be addressed. Any newly identified hazards should also be addressed.
2. When all lead hazard controls are in place, dust sampling is to be conducted.
3. The Risk Assessor will produce a report documenting the presence or absence of lead-based paint hazards. The report should identify any lead hazards previously detected and controlled and the success or failure of these interventions. Any new hazards should also be described and the Risk Assessor should present hazard control options and a reevaluation schedule.

EMPLOYEE TRAINING AND RESIDENT NOTIFICATION INFORMATION

Only supervisors and workers trained in lead safe work practices should be allowed to perform lead-based paint interim control or abatement activities. Maintenance workers should be briefed on the presence of lead-based paint prior to performing routine maintenance or repair. In the event the substrate requiring routine maintenance or repair has not been tested, it should be tested prior to the work being performed. Under such circumstances OSHA Construction Industry Standards for Lead may apply (Title 29 CFR 1926).

It may also be necessary to educate the future occupants on the hazards of lead-based paint and what can be done to minimize their exposure to lead-based paint hazards. The EPA lead hazard information brochure can be helpful and can be obtained by calling 1-800-LEAD-FYI. Information on local childhood lead poisoning prevention programs and blood lead screening services should also be provided to the future occupants. In addition, it is also advisable that the occupants be consulted and educated prior and following the performance of any interim control or abatement measures.

APPENDIX A

**HUD – Form 5.0
Resident Questionnaire**

(To be completed by risk assessor via interview with resident.)

Property address: 2517 Texoma Drive, Oklahoma City, OK, 73119

VACANT: Yes No Interior Exterior

1. Children/Children's Habits

- a. Do you have any children that live in your home? Yes No – (If no skip to Question 5)
- b. If yes, how many? Ages:
- c. Have they ever had blood lead level tests? Yes No Yes No Yes No Yes No
- d. Record blood lead levels, if known.
- e. Are there women of child-bearing age present? Yes No

2. Location of 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
Occupant Not Present				

- 3. Where are toys stored/kept?
- 4. Is there any visible evidence of chewed or peeling paint on the woodwork, furniture, or toys? Yes No If yes, please describe:

Family Use Patterns

- 5. Which entrances are used most frequently?
- 6. Which windows are opened most frequently?
- 7. Do you use window air conditioners? Yes No If yes, please list location.
(condensation often causes paint deterioration)
- 8. Do any household members garden? Yes No
 - a. Location of garden:
 - b. Are you planning any landscaping activities that will remove grass or ground covering? Yes No
- 9. How often is the household cleaned?
 - a. What cleaning methods do you use?
- 10. Did you recently complete any building renovations?
 - a. If yes, where? Yes No
 - b. Was building debris stored in the yard? Yes No If yes, where?
- 11. Are you planning any building renovations? Yes No If yes, where?
- 12. Do any household members work in a lead-related industry? Yes No
 - a. If yes, where are dirty work clothes placed and cleaned?

**HUD – Form 5.1
Building Condition Form**

Property address: 2517 Texoma Drive, Oklahoma City, OK, 73119

VACANT: Yes No Interior Exterior

Check all that apply

Condition	Yes	No	NP
Roof missing parts of surfaces (tiles, boards, shakes, etc.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Roof has holes or large cracks.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gutters or downspouts broken.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chimney masonry cracked, bricks loose or missing, obviously out of plumb.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Exterior or interior walls have obvious large cracks or holes, requiring more than routine pointing (if masonry) or painting.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exterior siding has missing boards or shingles.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water stains on interior walls or ceilings.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Interior walls or ceilings deteriorated.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two or more windows or doors broken, missing, or boarded up.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Porch or steps have major elements broken, missing, or boarded up.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Foundation has major cracks, missing material, structure leans, or visibly unsound.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Total Number:	0	8	1

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

Interior	Description
Walls	<input checked="" type="checkbox"/> Wood <input type="checkbox"/> Plaster <input type="checkbox"/> Stucco <input checked="" type="checkbox"/> Drywall <input type="checkbox"/> Metal <input type="checkbox"/> Concrete <input type="checkbox"/> Other - Describe COLOR: White
Ceilings	<input type="checkbox"/> Wood <input type="checkbox"/> Plaster <input type="checkbox"/> Stucco <input checked="" type="checkbox"/> Drywall <input type="checkbox"/> Metal <input type="checkbox"/> Concrete <input type="checkbox"/> Other - Describe COLOR: White
Trim	<input checked="" type="checkbox"/> Wood <input type="checkbox"/> Metal <input type="checkbox"/> Vinyl <input type="checkbox"/> Concrete <input type="checkbox"/> Other - Describe COLOR: White
Floors	<input type="checkbox"/> VCT Tile <input checked="" type="checkbox"/> Ceramic Tile <input type="checkbox"/> Hardwood <input checked="" type="checkbox"/> Carpet <input checked="" type="checkbox"/> Linoleum <input checked="" type="checkbox"/> Concrete
Exterior	Description
Walls	<input type="checkbox"/> Metal <input type="checkbox"/> Wood <input checked="" type="checkbox"/> Vinyl <input type="checkbox"/> Stucco <input checked="" type="checkbox"/> Brick <input type="checkbox"/> Stone COLOR: White (Red Brick)
Windows	<input checked="" type="checkbox"/> Metal <input checked="" type="checkbox"/> Wood <input type="checkbox"/> Vinyl <input type="checkbox"/> Other - Describe COLOR: White
Dr. Trim	<input type="checkbox"/> Metal <input checked="" type="checkbox"/> Wood <input type="checkbox"/> Vinyl <input type="checkbox"/> Other - Describe COLOR: White
Soffit	<input checked="" type="checkbox"/> Metal <input type="checkbox"/> Wood <input type="checkbox"/> Vinyl <input type="checkbox"/> Other - Describe COLOR: White
Wall Trim	<input checked="" type="checkbox"/> Metal <input type="checkbox"/> Wood <input checked="" type="checkbox"/> Vinyl <input type="checkbox"/> Other - Describe COLOR: White
Roof	<input type="checkbox"/> Spanish Tile <input checked="" type="checkbox"/> Composite <input type="checkbox"/> Other - Describe

See XRF Report for a detailed description

NOTES: Siding is damaged on Side B. Upper Trim is damaged and/or missing on Side A (bare wood is exposed).

HUD – Form 5.2
Paint Conditions on Selected Surfaces
 (Single-Family, Owner-Occupied)

Property address: 2517 Texoma Drive, Oklahoma City, OK, 73119

VACANT: Yes No Interior Exterior

Check all that apply.

Building Component	Location Notes	Paint condition (I=intact, F=fair, P=poor, or NP=not present) to be completed by risk assessor	Deterioration due to friction or impact present?	Deterioration due to moisture?	Location of painted component with visible bite marks
Building Siding	Side B	<input checked="" type="checkbox"/> I <input type="checkbox"/> F <input checked="" type="checkbox"/> P <input type="checkbox"/> NP	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Exterior Trim	Side A	<input checked="" type="checkbox"/> I <input type="checkbox"/> F <input checked="" type="checkbox"/> P <input type="checkbox"/> NP	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Exterior Windows	All Sides	<input type="checkbox"/> I <input type="checkbox"/> F <input checked="" type="checkbox"/> P <input type="checkbox"/> NP	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Exterior Doors	Sides A and B	<input checked="" type="checkbox"/> I <input type="checkbox"/> F <input checked="" type="checkbox"/> P <input type="checkbox"/> NP	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Railings		<input checked="" type="checkbox"/> I <input type="checkbox"/> F <input checked="" type="checkbox"/> P <input type="checkbox"/> NP	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Porch Floors	Carpeted (Outdoor)	<input checked="" type="checkbox"/> I <input type="checkbox"/> F <input type="checkbox"/> P <input type="checkbox"/> NP	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Other Porch Surfaces	Ceiling	<input checked="" type="checkbox"/> I <input type="checkbox"/> F <input checked="" type="checkbox"/> P <input type="checkbox"/> NP	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Interior Doors	See XRF Report	<input checked="" type="checkbox"/> I <input type="checkbox"/> F <input checked="" type="checkbox"/> P <input type="checkbox"/> NP	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Ceilings		<input checked="" type="checkbox"/> I <input type="checkbox"/> F <input type="checkbox"/> P <input type="checkbox"/> NP	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Walls	See XRF Report	<input checked="" type="checkbox"/> I <input type="checkbox"/> F <input checked="" type="checkbox"/> P <input type="checkbox"/> NP	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Interior Windows	See XRF Report	<input checked="" type="checkbox"/> I <input type="checkbox"/> F <input checked="" type="checkbox"/> P <input type="checkbox"/> NP	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Interior Floors	See XRF Report	<input checked="" type="checkbox"/> I <input type="checkbox"/> F <input checked="" type="checkbox"/> P <input type="checkbox"/> NP	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Interior Trim	See XRF Report	<input checked="" type="checkbox"/> I <input type="checkbox"/> F <input checked="" type="checkbox"/> P <input type="checkbox"/> NP	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Stairways	See XRF Report	<input checked="" type="checkbox"/> I <input type="checkbox"/> F <input checked="" type="checkbox"/> P <input type="checkbox"/> NP	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Radiator (or radiator cover)		<input type="checkbox"/> I <input type="checkbox"/> F <input type="checkbox"/> P <input checked="" type="checkbox"/> NP	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Kitchen Cabinets	See XRF Report	<input checked="" type="checkbox"/> I <input type="checkbox"/> F <input checked="" type="checkbox"/> P <input type="checkbox"/> NP	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Bathroom Cabinets		<input type="checkbox"/> I <input type="checkbox"/> F <input type="checkbox"/> P <input checked="" type="checkbox"/> NP	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

NOTES:

HUD – 5.4
Field Sampling Form for Dust
(Single-Surface Sampling)

Name of Risk Assessor: Interior
 License number: Exterior
 Name of property owner: _____
 Property address: 2517 Texoma Drive, Oklahoma City, OK, 73119
 Dwelling selection protocol: All Dwellings Targeted Worst Case Random
 Target dwelling criteria (check all that apply):
 Code Violations
 Judged to be in poor condition
 Presence of two or more children between ages of 6 months and 6 years
 Serves as a day-care facility
 Recently prepared for re-occupancy
 Preparing for re-occupancy

Sample Number	Room (record name of room used by the owner or resident)	Surface Type Floor, WS= Window Sill, WT=Window Trough	Is surface smooth and cleanable?	Dimensions of sample area (inches x inches)	Area (ft ²)	Result of lab analysis µg/ft ²
25171	Living Rm/Rm 1	<input checked="" type="checkbox"/> F <input type="checkbox"/> WS <input type="checkbox"/> WT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	12 x 12		<16.00
25172	Living Rm/Rm 2	<input type="checkbox"/> F <input checked="" type="checkbox"/> WS <input type="checkbox"/> WT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	2 x 18		80.26
25173	Kitchen/Rm 5	<input checked="" type="checkbox"/> F <input type="checkbox"/> WS <input type="checkbox"/> WT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	12 x 12		<16.00
25174	Kitchen/Rm 5	<input type="checkbox"/> F <input type="checkbox"/> WS <input checked="" type="checkbox"/> WT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	2 x 18		465.32
25175	Utility/Rm 4	<input checked="" type="checkbox"/> F <input type="checkbox"/> WS <input type="checkbox"/> WT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	12 x 12		486.83
25176	Bath/Rm 6	<input checked="" type="checkbox"/> F <input type="checkbox"/> WS <input type="checkbox"/> WT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	12 x 12		<16.00
25177	Field Blank	Not Applicable	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	12 x 12		<16.00
25178	Trip/Spike Blank	Not Applicable	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	12 x 12		238.32

Measure to the nearest 1/8 inch
 HUD standards: 40 µg/ft² (floors), 250 µg/ft² (interior window sills), 400 µg/ft² (window trough), 800 µg/ft² (exterior concrete)

Total number of samples on this page: 8
 Page 1 of 1
 Date of sample collection: 5/14/09 Date shipped to lab: 5/14/09

Shipped by: _____ Received by: See Chain of Custody
 (signature) (signature)

APPENDIX B

SAMPLE SUMMARY					
Table 1					
2517 Texoma					
Oklahoma City, OK 73119					
5-14-09					
DUST WIPE SAMPLE SUMMARY					
(Single)					
Sample ID	Location	Result ($\mu\text{g}/\text{ft}^2$)	Regulatory Limit ($\mu\text{g}/\text{ft}^2$)	Pass	Fail
25171	Living Room/Rm 1/Floor	<16.00	40.00	X	
25172	Living Room/Rm 1/Sill	80.26	250.00	X	
25173	Kitchen/Rm 5/Floor	<16.00	40.00	X	
25174	Kitchen/Rm 5/Trough	465.32	400.00		X
25175	Utility Room/Rm 4/Floor	486.83	40.00		X
25176	Bath/Rm 6/Floor	<16.00	40.00	X	
25177	Field Blank	<16.00	NA	X	
25178	Trip Blank/Trip Spike	238.32	NA (200.00 - 300.00)	X	
SOIL SAMPLE SUMMARY					
(Composite)					
Sample ID	Location	Result (ppm)	Regulatory Limit (ppm)	Pass	Fail
25179	Building Perimeter	60.61	1,200.00	X	
NA: Not Applicable					

APPENDIX C