1.0 EXECUTIVE SUMMARY

1.1 Scope of Work

) was contracted by ____, ____ of Tampa, Florida to conduct a Lead-Based Paint Clearance Inspection on the subject property located at 2517 Texoma Drive, Oklahoma City, Oklahoma. The purpose of conducting the clearance inspection was to determine the success of recently completed interim controls and subsequent specialized cleaning activities associated with the work. The clearance inspection was performed on Tuesday, July 7, 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 clearance inspection. Those areas that are not accessible at the time of the inspection 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 advice, 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, Basin 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 2517 Texoma Drive, Oklahoma City, Oklahoma 73119. It is owned by The United States of America. The contact for this property is The property inspected is a one-story wood frame constructed residential dwelling (occupied). The structure was built in 1953 and is approximately 784 square feet.

1.4 General Information

Clearance Inspection Date:	Monday, July 6, 2009
Clearance Inspection Site:	2517 Texoma Drive Oklahoma City, Oklahoma 73119
Construction Date:	1953
Square Footage:	784
Owner:	The United States of America
Project Initiation Date:	July 1, 2009
Project Completion Date:	July 2, 2009
Laboratory Information:	

LBP Inspector/Risk Assessor Name/Firm:

Certification Numbers:

Signature: _____

1.5 Findings

A visual inspection was conducted to verify that the following work had been completed based on the recommendations found in the Inspection dated May 14, 2009 (Oklahoma City Housing Authority):

- Stabilize and repaint wood associated with the front porch ceiling.
- Stabilize and repaint the wooden front door threshold.
- Stabilize and repaint wooden door jamb on Side B of Room 4.
- Stabilize and repaint wooden window sash on Side D of the home exterior.
- Remove lead dust from Rooms 4 and 5
- Stabilize and repaint pipe on Side C of the home exterior.
- Stabilize and repaint the bathtub on Side C of Room 6.

On July 7, 2009, a visual inspection was performed to identify the presence of dust, paint chips and debris as well as the completion of work on all components as identified above. An initial visual inspection found no dust, paint chips or debris. All work listed in the inspection report had not been completed based on the scope of work, more specifically, the bathtub in Room 6 and pipe on the home exterior were not stabilized and repainted. Based on what work was performed, dust wipe and soil samples were collected and forwarded for laboratory analysis. The analysis indicated that the dust wipe sample collected from the western most window trough on Side A of the home exterior did not pass when considering applicable thresholds.

Please reference **Appendix A: Sample Summary and Appendix C: Sample Locations.**

2.0 METHODOLOGY

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.

The clearance inspection included both a visual inspection for dust, paint chips and debris as well as the collection of dust wipe samples and soil samples. The standard threshold for lead in dust per HUD/EPA and the Oklahoma Department of Environmental Quality of 40 $\mu g/ft^2$ for floors, 250 $\mu g/ft^2$ for window sills, 400 $\mu g/ft^2$ for window troughs and 800

$\mu g/ft^2$ for exterior concrete floors was utilized for classification of pass and fail dust wipe sample readings as reported by the laboratory results. The standard threshold for lead in soil as per HUD/EPA and the Oklahoma Department Environmental Quality of 400 ppm for high impact play areas and 1,200 ppm for other areas (building perimeter) was utilized for classifications of pass or fail readings as reported by the laboratory results.

3.0 RECOMMENDATIONS AND CONCLUSIONS

Based on a visual inspection and review of laboratory analysis it has been determined that specialized cleaning and interim controls are necessary. The following actions should be performed:

- All exterior window troughs in the home should be 1) Vacuumed with a High Efficiency Particulate Air (HEPA) Filter, 2) Thoroughly wet cleaned, and 3) Once dry, re-vacuumed with a HEPA system.
- The same cleaning process should be utilized on all adjacent interior and exterior areas including window sills, frames, and aprons, floors, and walls.

Re-evaluation of the property should occur six months, one year, and two years after work has been completed or whenever there is an indication of possible deterioration of lead-based paint. Ongoing monitoring consists of annual reevaluations performed by a certified risk assessor and visual surveys conducted by the property owner. 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 resident 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.

The following is the recommended Reevaluation Schedule for this structure in

accordance with Chapter 6: Ongoing Monitoring of the HUD Guidelines.

REEVALUATION SCHEDULE *2517 Texoma Drive* *Oklahoma City, OK 73119* *7-7-09*				
Schedule	***Evaluation Results***	***Action Taken***	***Reevaluation Frequency & Duration***	***Visual Survey***
4	The average of leaded dust levels on all floors, interior window sills, or window troughs sampled exceeds the applicable standard, by a factor of 10 or more.	Interim Controls	6 months, 1 year, 2 years	Annually and whenever information indicates a possible problem.

APPENDIX A

TABLE 1: SAMPLE SUMMARY

2517 Texoma Drive
Oklahoma City, OK 73119
7-7-09

DUST WIPE SAMPLE SUMMARY
(Single)

Sample ID	***Location***	***Result*** ($\mu g/ft^2$)	***Regulatory Limit*** ($\mu g/ft^2$)	***Pass***	***Fail***
D01	Interior/Living Room/Entry Floor	<16.00	40.00	X	
D02	Interior/Living Room/Window Sill	<64.00	250.00	X	
D03	Exterior/Front Sidewalk	16.21	800.00	X	
D04	Exterior/Side A/Window Trough	11098.20	400.00		X
D05	Field Blank	<16.00	NA	X	
D06	Interior/Utility Room/Floor	<16.00	40.00	X	
D07	Interior/Kitchen/Window Sill	<64.00	250.00	X	
D08	Interior/South Bedroom/Side D/Window Sill	<64.00	250.00	X	

SOIL SAMPLE SUMMARY
(Composite)

Sample ID	***Location***	***Result (ppm)***	***Regulatory Limit (ppm)***	***Pass***	***Fail***
S01	House Perimeter	57.62	1,200	X	

APPENDIX B

Environmental Chemistry Analysis Report

QuanTEM Set ID: 173772
Date Received: 07/07/09
Received By:
Date Sampled:
Time Sampled:
Analyst: EC
Date of Report: 7/9/2009

AIHA ID: 101352

Client:

Acct. No.:

Project: LBP Clearance
Location: 2517 Texoma Dr, OKC, OK
Project No.: N/A

ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	S01	Soil	Lead	57.62	52.54	mg/kg	07/09/09 12:55	EPA 600/R-93/200 / 7420
002	D01	Wipe	Lead	<16.00	16.00	ug/sq. Ft.	07/09/09 12:55	EPA 3051 / NIOSH 9100
003	D02	Wipe	Lead	<64.00	64.00	ug/sq. Ft.	07/09/09 12:55	EPA 3051 / NIOSH 9100
004	D03	Wipe	Lead	16.21	16.00	ug/sq. Ft.	07/09/09 12:55	EPA 3051 / NIOSH 9100
005	D04	Wipe	Lead	11098.20	64.00	ug/sq. Ft.	07/09/09 12:55	EPA 3051 / NIOSH 9100
006	D05	Wipe	Lead	<16.00	16.00	ug/sq. Ft.	07/09/09 12:55	EPA 3051 / NIOSH 9100
007	D06	Wipe	Lead	<16.00	16.00	ug/sq. Ft.	07/09/09 12:55	EPA 3051 / NIOSH 9100
008	D07	Wipe	Lead	<64.00	64.00	ug/sq. Ft.	07/09/09 12:55	EPA 3051 / NIOSH 9100
009	D08	Wipe	Lead	<64.00	64.00	ug/sq. Ft.	07/09/09 12:55	EPA 3051 / NIOSH 9100

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.

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.

Environmental Chemistry Analysis Report

QuanTEM Set ID: 173772
Date Received: 07/07/09
Received By: Sherrie Leftwich
Date Sampled:
Time Sampled:
Analyst: EC
Date of Report: 7/9/2009

AIHA ID: 101352

Client:

Acct. No.:

Project: LBP Clearance
Location: 2517 Texoma Dr, OKC, OK
Project No.: N/A

ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method

Authorized Signature: _____
Eric Caves, Analyst

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.

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.

Supplemental Report
QAQC Results

QA ID:
Test: Lead

Date: 7/9/2009
Matrix: Soil

Lab Number:
Approved By:
Date Approved: 7/9/2009

Notes:

Blank Data:

Type of Blank	Blank Value
Initial	0
Continuing	0
Final	0

Standards Data:

Standard	Low Limit	Obtained	High Limit
CCV	1125	1212	1375
FCV	1125	1224	1375
ICV	112.5	126.6	137.5
RLVS	48	64	72

Duplicate Data:

Sample Number	Result	Duplicate	% RPD
173772-001	57.620	58.160	0.9

Recovery Data:

Sample Number	Result	Spike Level	Result + Spike	% Recovery	Dup. Result + Spike	% Dup. Recovery	% Spike RPD
LCSS 1	0.000	5369.000	5517.000	102.8	5719.000	106.5	3.6
173772-001	57.620	464.900	546.100	105.1			

Supplemental Report
QAQC Results

QA ID: ----
Test: Lead
Date: 7/9/2009
Matrix: Wipe
Lab Number:
Approved By:
Date Approved: 7/9/2009

Notes:

Blank Data:

Type of Blank	Blank Value
Initial	0
Continuing	0
Final	0

Standards Data:

Standard	Low Limit	Obtained	High Limit
CCV	225	242	275
FCV	225	245	275
ICV	22.5	25.3	27.5
RLVS	12.8	16.4	19.2

Duplicate Data:

Recovery Data:

Sample Number	Result	Spike Level	Result + Spike	% Recovery	Dup. Result + Spike	% Dup. Recovery	% Spike RPD
MSW 1	0.000	5369.000	5383.000	100.3	5424.000	101.0	0.8
MSW 2	0.000	5369.000	5739.000	106.9	5502.000	102.5	4.2

Authorized Signature: _____ _____

Lead Chain-of-Custody

Page 1 of 1

This Box for Lab Use Only
Lab No. 173772
Accept / Reject

Company Name: _____ Acct.#: _____ Project Name: LBP Clearance

Project Location: 2517 Texoma Dr., OKC, OK Project Number: _____

Sample Number	Sample Description	Volume or Area	Sample Matrix	Analysis: Pb				Units Requested: PPM	Wt %	mg / kg	mg / l	ug / sq. ft.	ug / cu. in.	mg / cm²
SO1	Soil Composite		A	X				X						
DO1	Dust Wipe	1 ft²	C	X								X		
DO2	↓	0.25 ft²	C	X								X		
DO3		1' 2	C	X								X		
DO4		0.25' 2	C	X								X		
DO5		1' 2	C	X								X		
DO6		1' 2	C	X								X		
DO7		0.25' 2	C	X								X		
DO8	↓	0.25' 2	C	X								X		

Sample Matrix Codes: A - Soil; B - Paint Chips; C - Surface / Dust Wipes; D - Bulk Miscellaneous; E - Air Cassette; F - Other (SPECIFY)

LEGAL DOCUMENT
Please Print Legibly

TURNAROUND TIME
- [ ] Same Day
- [ ] 24 Hour
- [X] 3-Day
- [ ] 5-day

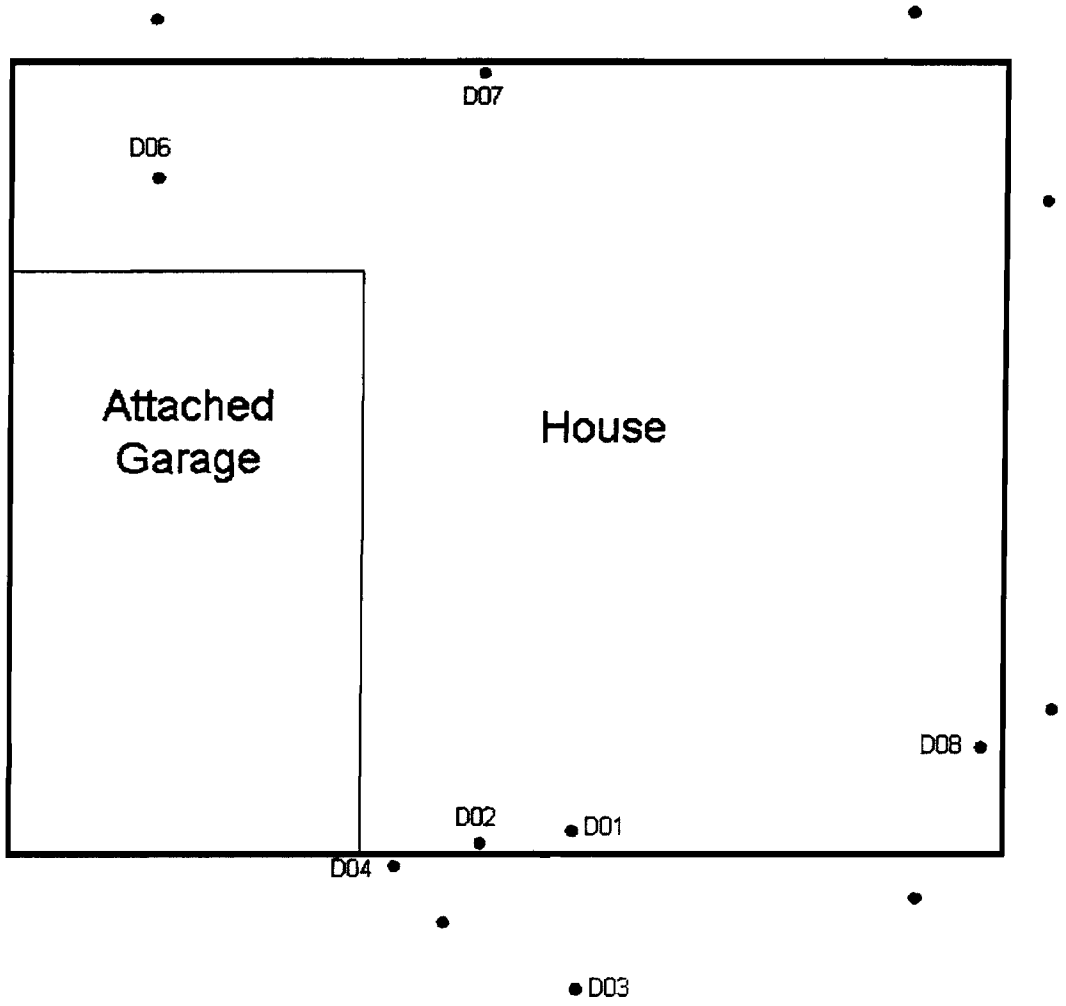
CONTACT INFORMATION
Nam
Phone:
Report Results VIA (CHOOSE ONE).
- [ ] FAX:
- [ ] QuanTEM WebSite
- [X] E-Mail:

Sampled By:

Saturday FedEx Shipping - CALL TO SCHEDULE
Use this address for Saturday FedEx only:
Mark Package 'HOLD FOR SATURDAY PICKUP'

Revision: May 2008

APPENDIX C



Legend

Dust Sample Locations

Soil Sample S01 Grab Locations

APPENDIX D

APPENDIX E

HUD - FORM 15.1
Lead Hazard Control Visual Clearance Form

Date: 7/7/09

Name of Clearance Examiner: _____

License Number: _____

Name of Property Owner: The United States of America

Property Address: 2517 Texoma Drive OKC, OK 73119 Apt. #_____

Date Cleanup Completed: 7/2/09

Time Cleanup Completed: _____

Abatement/Interim Control Contractor Name: (

Address:

Telephone _____

Check If Repeat Clearance Examination: _____

Room Identifier	List all building components required to be treated in each room	Work on each component completed (yes or no)	Visible paint chips/waste or debris seen (yes or no)	Visible settled dust seen (yes or no)	Additional work required
Exterior	Front door threshold, front porch ceiling, pipe on Side C, window sash on Side D	No	No	No	Yes
Room 4	Floor, wooden door jamb on Side B	Yes	No	No	No
Room 5	Floor	Yes	No	No	No
Room 6	Bathtub	No	No	No	No

Exterior soil	_____Treated	X____Not treated
If treated, is bare soil present?	_____Yes	_____No
Was contaminated soil removed?	_____Yes	X____No
Is additional soil treatment required?	X____Yes	_____No

NOTES:

Additional components remaining to be treated per inspection report: bathtub & pipe on Side C of exterior

Signature: ____ _____ Date: _____

HUD - FORM 15.2
Lead Hazard Control Clearance Dust Sampling Form
(Single-Surface Sampling)

Date: 7/7/09

Name of Clearance Examiner: ____

License Number: ____

Name of Property Owner: The United States of America

Property Address: 2517 Texoma Drive OKC, OK 73119 Apt. #____

Clearance Categories

1. Interior treatments without containment
2. Interior treatments with containment
3. Exterior work on painted surfaces
4. Routine maintenance
5. Soil work

Sample #	Room Identifier	Surface Type	Clearance Category	Sample Dimensions	Area	Lab Results	Units	Pass or Fail
D01	Living Room	Floor	2	12" X 12"	1 sq. ft.	<16.00	$\mu g/ft^2$	Pass
D02	Living Room	Window Sill	2	18" X 2"	0.25 sq. ft	<64.00	$\mu g/ft^2$	Pass
D03	Exterior	Sidewalk	3	12" X 12"	1 sq. ft.	16.21	$\mu g/ft^2$	Fail
D04	Exterior	Window Trough	3	18" X 2"	0.25 sq. ft	11098.20	$\mu g/ft^2$	Fail
D05	Field Blank			NA	1 sq. ft.	<16.00	$\mu g/ft^2$	Pass
D06	Utility Room	Floor	2	12" X 12"	1 sq. ft.	<16.00	$\mu g/ft^2$	Pass
D07	Kitchen	Window Sill	2	18" X 2"	0.25 sq. ft	<64.00	$\mu g/ft^2$	Pass
D08	Bedroom	Window Sill	2	18" X 2"	0.25 sq. ft	<64.00	$\mu g/ft^2$	Pass

Total number of samples on this page: 8

Page 1 of 1

Date/Time of sample collection: 7/7/09 14:00 Date sent to lab: 7/7/09

NOTES:

Signature: ____ Date: ____

HUD - FORM 15.3
Lead Hazard Control Clearance Soil Sampling Form

(Composite Sampling Only)

Date: 7/7/09

Name of Clearance Examiner: ____

License Number: ____

Name of Property Owner: The United States of America

Property Address: 2517 Texoma Drive OKC, OK 73119 Apt. #____

Soil Sampling Plot can be found in Appendix C

Sample #	Location	Bare or Covered	Lab Results (mg/kg)	Pass/Fail
S01	House perimeter	Bare	57.62	Pass

Total number of samples on this page: 1

Date/Time of sample collection: 7/7/09 14:30 Date sent to lab: 7/7/09

NOTES:

Signature: ____ Date: ____