



ASBESTOS INSPECTION REPORT

Job Site:

**One Family Dwelling
2955 North 1st Street
Milwaukee, Wisconsin**

For:

City of Milwaukee
Department of Neighborhood Services
Attn: Marge Piwaron
841 North Broadway 1st Floor
Milwaukee, Wisconsin 53202-3613

**HMG Report No.: 14-200-042.2955
Contract No.: 360-14-0745**

A handwritten signature in black ink, appearing to read "Dean Jacobsen", is written over a horizontal line.

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

September 2014

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2955 North 1st Street, Milwaukee, Wisconsin.

The inspection included plaster, transite siding, flue packing, and duct paper to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M and NR 447 of the Wisconsin Administrative Code.*

II. BUILDING SURVEY

Marge Piwaron, of the City of Milwaukee Department of Neighborhood Services, authorized HMG to conduct a building survey and to analyze samples taken during the inspection.

On September 19, 2014 HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 2955 North 1st Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building.
2. Sampling and documentation of observable suspect materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive materials existing within the spaces.

The results of the survey integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples taken are outlined in this document. If you have any questions please contact HMG at (414) 383-4800.

III. THE LABORATORY

A. METHOD OF ANALYSIS

Analysis is performed by using the bulk samples for visual observation and slide preparation(s) for microscopical examination and identification. The slides are analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining), morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents.

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as

determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, transite siding, flue packing, and duct paper. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – east wall under vinyl and asphalt siding – transite siding	Positive 25% Chrysotile	1,600 Sq. Ft.	MTP
2	Exterior – west wall under vinyl and asphalt siding – transite siding	Positive 25% Chrysotile	Reference Sample 1	MTP
3	Exterior – north wall under vinyl and asphalt siding – transite siding	Positive 25% Chrysotile	Reference Sample 1	MTP
4	Basement – on north side of chimney – gray flue packing	Negative	N/A	TFPy
5	Basement – on east side of chimney – light gray flue packing	Negative	N/A	TFPyLight
6	Basement – on boot – duct paper	Positive 80% Chrysotile	25 Sq. Ft.	TDW
7	Basement – on boot – duct paper	Positive 80% Chrysotile	Reference Sample 6	TDW
8	Basement – on boot – duct paper	Positive 80% Chrysotile	Reference Sample 6	TDW
9a	1 st floor – kitchen – ceiling – plaster skim coat	Negative	N/A	SPI
9b	1 st floor – kitchen – ceiling – plaster base coat	Negative	N/A	SPI
10a	1 st floor – bedroom – ceiling – plaster skim coat	Negative	N/A	SPI
10b	1 st floor – bedroom – ceiling – plaster base coat	Negative	N/A	SPI
11a	Basement – stair – west wall – plaster skim coat	Negative	N/A	SPI
11b	Basement – stair – west wall – plaster base coat	Negative	N/A	SPI

Notes: N/A = Not Applicable
Sq. Ft. = Square Feet

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	800 Sq. Ft.
1 st	Dwelling	Asphalt Shingle Siding	1,200 Sq. Ft.
1 st	Kitchen	Floor Tile & Mastic	150 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MTP	Transite
TFPy	Gray Flue Packing
TFPyLight	Light Gray Flue Packing
TDW	Duct Paper

Note#1: Category I – Non-Friable Asbestos Containing Materials may become friable during mechanical demolition activities or maybe considered friable prior to demolition activities due to its current condition.

Note#2: If additional materials are discovered during demolition that are not listed above they are to be assumed to be asbestos containing.

Note#3: A copy of this report should be transmitted to the demolition contractor.

Note#4: Additional duct paper may be within walls and ceilings.

V. EXCLUSIONS

No access to attic. Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.

HMG is not and shall not represent the building owner as its agent or representative for the purpose of the US EPA/NESHAP and/or the WDNR/NR447 regulations, as owner/operator.

This report represents the condition of the building and its visible/accessible suspect asbestos containing materials at the date and the times of the onsite inspection. Hidden materials or those materials that could be present at the point of inspection, over and above those stated in the inspection report, are the responsibility of the building owner and the demolition contractor.

VI. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our Polarized Light Microscopy, unless otherwise specified by the client. The findings and conclusions of HMG represent our professional opinions extrapolated from limited data. Significant limited data is gathered during the course of the preliminary asbestos specific site assessment. No other warranty is expressed or implied. Prior to any abatement or renovation activities, it is recommended that HMG be provided the opportunity to review such plans in order that the inspection and assessments contained herein are properly interpreted and implemented.

This report and the information contained herein are prepared for the sole and exclusive use and possession of the City of Milwaukee Department of Neighborhood Services. No other person or entity may rely on this report or any information contained herein. Any dissemination of the Report or any information contained herein is strictly prohibited without prior written authorization from Harenda Management Group.

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

This guide lists materials and products commonly found in buildings with examples. It is not intended as a substitute for reading the rules and statutes and making your own independent determination of their applicability to your demolition project. These examples presented here do not represent an exhaustive listing of types of materials that may be required to be removed from the building prior to demolition.

ASBESTOS

Persons conducting inspections for asbestos must hold a valid asbestos inspector certification card issued by the State of Wisconsin, Dept. of Health Services. **Please follow the Asbestos Inspection and Sampling Protocol for Buildings to be Demolished or Renovated.**

CFCs and HALONS

Equipment that may contain CFCs and Halons:

<u>N/A</u>	Air Conditioners (roof top, room, and central)
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>N/A</u>	Refrigerators, Freezers, Chillers
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>N/A</u>	Fire Extinguishers (both portable and installed HALON suppression systems)
<u>N/A</u>	Water Coolers

LEAD

Lead or Lead Based Paint (LBP) is common in many older buildings. When recycling construction and demolition debris, be aware that wood containing lead paint may not be chipped and spread for landscaping. State law also prohibits the sale or transfer of any fixture or other object containing LBP that might be placed upon any surface of a dwelling, which is ordinarily accessible to children.

MERCURY

Products that may contain mercury:

LIGHTING

- | | |
|------------|--|
| <u>N/A</u> | Fluorescent Lights |
| <u>N/A</u> | High Intensity Discharge
-Metal Halide
-High Pressure Sodium
-Mercury Vapor |
| <u>N/A</u> | Neon |
| <u>N/A</u> | Switches for lighting using mercury relays
-Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches. |

HVAC

Check thermostats and any control associated with air handling units for switches containing mercury.

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

- | | |
|------------|-----------------|
| <u>N/A</u> | Old Thermostats |
| <u>N/A</u> | Aquastats |
| <u>N/A</u> | Firestats |
| <u>N/A</u> | Manometers |
| <u>N/A</u> | Thermometers |

BOILERS, FURNACES, HEATERS AND TANKS – 1 Furnace & 1 Water Heater in Basement

- | | |
|------------|---------------------------------------|
| <u>N/A</u> | Mercury Flame Sensors by pilot lights |
| <u>N/A</u> | Manometers, Thermometers, Gauges |
| <u>N/A</u> | Pressure-trol |
| <u>N/A</u> | Float or Level Controls |
| <u>N/A</u> | Space Heaters |

ELECTRICAL SYSTEMS – 1 Electric Meter on Exterior

<u> N/A </u>	Load Meters and Supply Relays
<u> N/A </u>	Phase Splitters
<u> N/A </u>	Microwave Relays
<u> N/A </u>	Mercury Displacement Relays

PCBs

For electrical devices manufactured prior to 1987, it is safe to assume that they contain PCBs and should be managed accordingly. Most equipment manufactured after this time will say "PCB Free". The following is a list of areas in a building where PCBs may be found:

<u> N/A </u>	Transformers
<u> N/A </u>	Capacitors (appliances, electronic equipment)
<u> N/A </u>	Heat Transfer Equipment
<u> N/A </u>	Light Ballasts
<u> N/A </u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u> N/A </u>	Sumps or Oil Traps (in maintenance and industrial facilities)

OTHER ENVIRONMENTAL ISSUES

<u> N/A </u>	Hazardous Waste
<u> N/A </u>	Oil Tanks
<u> N/A </u>	Well Abandonment
<u> 1 </u>	Junk Auto Tires – Exterior
<u> N/A </u>	Junk Vehicles

* 30 Gallons Paint 1st Floor

VIII. LABORATORY RESULTS



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 241429	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 09/24/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 09/29/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2955

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Transite	Asbestos Present Chrysotile 25	NA	CaCO3
002	2	Homogeneous	Gray Transite	Asbestos Present Chrysotile 25	NA	CaCO3
003	3	Homogeneous	Gray Transite	Asbestos Present Chrysotile 25	NA	CaCO3
004	4	Homogeneous	Gray Concrete	Asbestos Not Present	NA	Sand CaCO3
005	5	Homogeneous	Gray Concrete	Asbestos Not Present	NA	Sand CaCO3
006	6	Homogeneous	White Insulation	Asbestos Present Chrysotile 80	NA	Binder
007	7	Homogeneous	White Insulation	Asbestos Present Chrysotile 80	NA	Binder

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuantEM is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 241429	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 09/24/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 09/29/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2955

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	White Insulation	Asbestos Present Chrysotile 80	NA	Binder
009	9	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
009a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
010	10	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
010a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
011	11	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
011a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

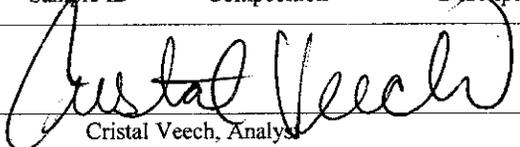
QuanTEM is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



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Polarized Light Microscopy Asbestos Analysis Report

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Received By: Judy Rowan	Milwaukee, WI 53204
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Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2955

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
				9/29/2014		
			Cristal Veech, Analyst	Date of Report		

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ASBESTOS CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

www.QuanTEM.com

For Lab Use Only

Lab No. 241429

Accept Reject

Report Results one box

QuanTEM Website

Other email _____

Contact Information		Project Information	
Company:	Harenda Management Group	Project Name:	DNS
Contact:	Dean Jacobsen	Project Location:	Milwaukee, WI
Account #:	B929	Project ID:	14-200-042.2955
SAMPLED BY:	Name: _____	P.O. Number:	_____

RELINQUISHED BY: <u>[Signature]</u>	DATE & TIME: <u>9/23/14 1800</u>	VIA: <u>Fed Ex</u>	RECEIVED BY: <u>Judy Rowan</u>	DATE & TIME: <u>9/24/14 10:00</u>
-------------------------------------	----------------------------------	--------------------	--------------------------------	-----------------------------------

REQUESTED SERVICES (Please check the Appropriate Boxes)

	PLM		TEM		TEM		TURNAROUND TIME	
	<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Rush	<input type="checkbox"/> Same Day
<input type="checkbox"/> 1000 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> 24 - Hour	<input checked="" type="checkbox"/> 3 - Day	<input type="checkbox"/> 5 - Day
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> PGM	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Dust- Quantitative (fibers/sq.cm)- ASTM D5755	<input type="checkbox"/> Other			
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400							

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1		<input checked="" type="checkbox"/>				
2		<input type="checkbox"/>				
3		<input type="checkbox"/>				
4		<input type="checkbox"/>				
5		<input type="checkbox"/>				
6		<input type="checkbox"/>				
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
10		<input checked="" type="checkbox"/>				



ASBESTOS CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. _____	Accept <input type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Project Name: DNS	Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11				
12					
13					
14					
15					
16					
17					
18					
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20					
21					
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24					
25					
26					
27					
28					
29					
30					

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

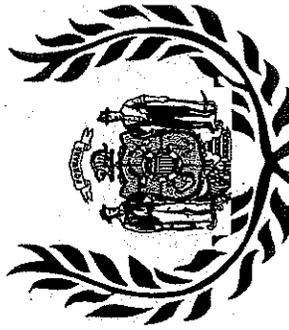
PO BOX 511305
NEW BERLIN WI 53151-2105

is certified under ch. HFS 159, Wis.Adm.Code as a

Asbestos Company - Primary

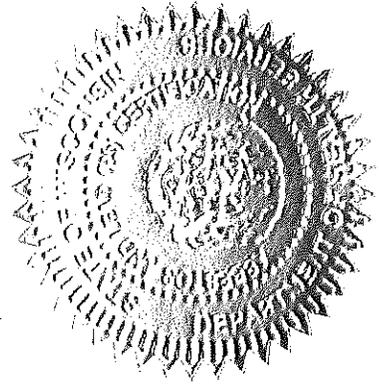
Certificate Issue Date: 09/11/2013
Expiration Date: 08/31/2015, 12:01 a.m.
Certification #: CAP-480540

Wisconsin Department of Health Services
Division of Public Health
Bureau of Environmental and Occupational Health
Asbestos & Lead Section
PO Box 2659
Madison WI 53701-2659
Phone: (608) 261-6876



Shelley A Bruce

Shelley A Bruce,
Unit Supervisor



ASBESTOS INSPECTOR
Issued By
STATE OF WISCONSIN
Dept. of Health Services



Eric Duane Christon
10908 W Langlade St
Milwaukee WI 53225-1319

		275 lbs	6' 01"
All-12823	Exp: 03/19/2015	11/16/1969	Male

Training due by: 03/19/2015

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**Fire Damaged
Two Family Dwelling
3024 North 2nd Street
Milwaukee, Wisconsin**

For:

City of Milwaukee
Department of Neighborhood Services
Attn: Marge Piwaron
841 North Broadway 1st Floor
Milwaukee, Wisconsin 53202-3613

**HMG Report No.: 14-200-042.3024
Contract No.: 360-14-0745**

A handwritten signature in black ink, appearing to read 'Dean Jacobsen', is written over a horizontal line.

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

December 2014

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 3024 North 2nd Street, Milwaukee, Wisconsin.

The inspection included plaster, tar paper, duct paper, ceramic tile, linoleum, blown in insulation, and flue packing to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M and NR 447 of the Wisconsin Administrative Code*.

II. BUILDING SURVEY

Marge Piwaron, of the City of Milwaukee Department of Neighborhood Services, authorized HMG to conduct a building survey and to analyze samples taken during the inspection.

On November 11, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 3024 North 2nd Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AI – 12823.

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building.
2. Sampling and documentation of observable suspect materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive materials existing within the spaces.

The results of the survey integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples taken are outlined in this document. If you have any questions please contact HMG at (414) 383-4800.

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IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, tar paper, duct paper, ceramic tile, linoleum, blown in insulation, and flue packing. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – south wall under wood siding – tar paper	Negative	N/A	MPT
2	Exterior – north wall under wood siding – tar paper	Negative	N/A	MPT
3	Exterior – east wall under wood siding – tar paper	Negative	N/A	MPT
4a	1 st floor – front entry – north wall – plaster skim coat	Negative	N/A	SPI
4b	1 st floor – front entry – north wall – plaster base coat	Negative	N/A	SPI
5a	1 st floor – back hall – south wall – plaster skim coat	Negative	N/A	SPI
5b	1 st floor – back hall – south wall – plaster base coat	Negative	N/A	SPI
6a	2 nd floor – back hall – south wall – plaster skim coat	Negative	N/A	SPI
6b	2 nd floor – back hall – south wall – plaster base coat	Negative	N/A	SPI
7	1 st floor – living room – on south wall duct – duct paper <i>Duct paper observed on all 1st floor ducts and basement boots</i>	Positive 70% Chrysotile	230 Sq. Ft.	TDW
8	1 st floor – dining room – on south wall duct – duct paper	Positive 70% Chrysotile	Reference Sample 7	TDW
9	1 st floor – kitchen – on south wall duct – duct paper	Positive 70% Chrysotile	Reference Sample 7	TDW
10a	1 st floor – front entry floor – white ceramic tile	Negative	N/A	MCTMw
10b	1 st floor – front entry floor – grout	Negative	N/A	MCTMw
11a	1 st floor – living room – at fireplace – cream ceramic tile	Negative	N/A	MCTMc
11b	1 st floor – living room – at fireplace – grout	Negative	N/A	MCTMc
12	1 st floor – living room – at fireplace – tan ceramic tile	Negative	N/A	MCTMt
13	1 st floor – back hall – tan linoleum	Negative	N/A	MFLt
14	2 nd floor – kitchen – under floor tile – white linoleum	Negative	N/A	MFLw
15a	2 nd floor – kitchen – under floor tile – white linoleum	Negative	N/A	MFLw
15b	2 nd floor – kitchen – under white linoleum – tan linoleum	Negative	N/A	MFLt

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
16a	2 nd floor – kitchen – under floor tile – white linoleum	Negative	N/A	MFLw
16b	2 nd floor – kitchen – under white linoleum – tan linoleum	Negative	N/A	MFLt
16c	2 nd floor – kitchen – under tan linoleum – tar paper #2	Negative	N/A	MPT2
17	2 nd floor – kitchen – on floor – blown in insulation	Negative	N/A	MBI
18	2 nd floor – east bedroom – on floor – blown in insulation	Negative	N/A	MBI
19	2 nd floor – center bedroom – on floor – blown in insulation	Negative	N/A	MBI
20	Basement – on chimney – flue packing	Negative	N/A	TFP

Notes: N/A = Not Applicable
Sq. Ft. = Square Feet

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,300 Sq. Ft.
1 st	Back Hall/Stair/Front Entry	Floor Mastic	100 Sq. Ft.
1 st	Pantry/Kitchen/Bathroom	Floor Tile & Mastic	230 Sq. Ft.
2 nd	Back Hall/Kitchen/Pantry/Hall	Floor Tile & Mastic	260 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MPT	Tar Paper
MPT2	Tar Paper #2
MCTMw	White Ceramic Tile
MCTMc	Cream Ceramic Tile
MCTMt	Tan Ceramic Tile
MFLt	Tan Linoleum
MFLw	White Linoleum
MBI	Blown in Insulation
TDW	Duct Paper
TFP	Flue Packing

Note#1: Category I – Non-Friable Asbestos Containing Materials may become friable during mechanical demolition activities or maybe considered friable prior to demolition activities due to its current condition.

Note#2: If additional materials are discovered during demolition that are not listed above they are to be assumed to be asbestos containing.

Note#3: A copy of this report should be transmitted to the demolition contractor.

Note#4: Additional duct paper may be within walls and ceilings.

V. EXCLUSIONS

2nd floor bathroom floor buried in fire debris and not accessible. Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.

HMG is not and shall not represent the building owner as its agent or representative for the purpose of the US EPA/NESHAP and/or the WDNR/NR447 regulations, as owner/operator.

This report represents the condition of the building and its visible/accessible suspect asbestos containing materials at the date and the times of the onsite inspection. Hidden materials or those materials that could be present at the point of inspection, over and above those stated in the inspection report, are the responsibility of the building owner and the demolition contractor.

VI. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our Polarized Light Microscopy, unless otherwise specified by the client. The findings and conclusions of HMG represent our professional opinions extrapolated from limited data. Significant limited data is gathered during the course of the preliminary asbestos specific site assessment. No other warranty is expressed or implied. Prior to any abatement or renovation activities, it is recommended that HMG be provided the opportunity to review such plans in order that the inspection and assessments contained herein are properly interpreted and implemented.

This report and the information contained herein are prepared for the sole and exclusive use and possession of the City of Milwaukee Department of Neighborhood Services. No other person or entity may rely on this report or any information contained herein. Any dissemination of the Report or any information contained herein is strictly prohibited without prior written authorization from Harenda Management Group.

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

This guide lists materials and products commonly found in buildings with examples. It is not intended as a substitute for reading the rules and statutes and making your own independent determination of their applicability to your demolition project. These examples presented here do not represent an exhaustive listing of types of materials that may be required to be removed from the building prior to demolition.

ASBESTOS

Persons conducting inspections for asbestos must hold a valid asbestos inspector certification card issued by the State of Wisconsin, Dept. of Health Services. **Please follow the Asbestos Inspection and Sampling Protocol for Buildings to be Demolished or Renovated.**

CFCs and HALONS

Equipment that may contain CFCs and Halons:

<u>N/A</u>	Air Conditioners (roof top, room, and central)
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>N/A</u>	Refrigerators, Freezers, Chillers
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>N/A</u>	Fire Extinguishers (both portable and installed HALON suppression systems)
<u>N/A</u>	Water Coolers

LEAD

Lead or Lead Based Paint (LBP) is common in many older buildings. When recycling construction and demolition debris, be aware that wood containing lead paint may not be chipped and spread for landscaping. State law also prohibits the sale or transfer of any fixture or other object containing LBP that might be placed upon any surface of a dwelling, which is ordinarily accessible to children.

MERCURY

Products that may contain mercury:

LIGHTING

<u>N/A</u>	Fluorescent Lights
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

HVAC

Check thermostats and any control associated with air handling units for switches containing mercury.

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

<u>N/A</u>	Old Thermostats
<u>N/A</u>	Aquastats
<u>N/A</u>	Firestats
<u>N/A</u>	Manometers
<u>N/A</u>	Thermometers

BOILERS, FURNACES, HEATERS AND TANKS – 2 Furnaces & 2 Water Heaters in Basement

<u>N/A</u>	Mercury Flame Sensors by pilot lights
<u>N/A</u>	Manometers, Thermometers, Gauges
<u>N/A</u>	Pressure-trol
<u>N/A</u>	Float or Level Controls
<u>N/A</u>	Space Heaters

ELECTRICAL SYSTEMS

<u> N/A </u>	Load Meters and Supply Relays
<u> N/A </u>	Phase Splitters
<u> N/A </u>	Microwave Relays
<u> N/A </u>	Mercury Displacement Relays

PCBs

For electrical devices manufactured prior to 1987, it is safe to assume that they contain PCBs and should be managed accordingly. Most equipment manufactured after this time will say "PCB Free". The following is a list of areas in a building where PCBs may be found:

<u> N/A </u>	Transformers
<u> N/A </u>	Capacitors (appliances, electronic equipment)
<u> N/A </u>	Heat Transfer Equipment
<u> N/A </u>	Light Ballasts
<u> N/A </u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u> N/A </u>	Sumps or Oil Traps (in maintenance and industrial facilities)

OTHER ENVIRONMENTAL ISSUES

<u> N/A </u>	Hazardous Waste
<u> N/A </u>	Oil Tanks
<u> N/A </u>	Well Abandonment
<u> N/A </u>	Junk Auto Tires
<u> N/A </u>	Junk Vehicles

VIII. LABORATORY RESULTS



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 244190	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 11/24/2014	1237 West Bruce St.
Received By: Patrick Mlekush	Milwaukee, WI 53204
Date Analyzed: 11/26/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042-3024

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-3024	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
002	2-3024	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
003	3-3024	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
004	4-3024	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
004a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
005	5-3024	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
005a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuantEM is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 244190	Client: Harenda Management Group
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Date Analyzed: 11/26/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042-3024

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006	6-3024	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
006a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
007	7-3024	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 70	Cellulose 20	Vinyl
008	8-3024	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 70	Cellulose 20	Binder
009	9-3024	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 70	Cellulose 20	Binder
010	10-3024	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
010a		Layered	Gray Grout	Asbestos Not Present	NA	Sand Binder

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Polarized Light Microscopy Asbestos Analysis Report

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Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042-3024

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
011	11-3024	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
011a		Layered	White Grout	Asbestos Not Present	NA	CaCO3 Binder
012	12-3024	Homogeneous	Green Ceramic Tile	Asbestos Not Present	NA	Clay
013	13-3024	Homogeneous	White Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
014	14-3024	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
015	15-3024	Layered	Tan Linoleum	Asbestos Not Present	Cellulose 30	Tar Binder
015a		Layered	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 244190	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 11/24/2014	1237 West Bruce St.
Received By: Patrick Mlekush	Milwaukee, WI 53204
Date Analyzed: 11/26/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042-3024

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016	16-3024	Layered	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
016a		Layered	Tan Linoleum	Asbestos Not Present	Cellulose 30	Tar Binder
016b		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
017	17-3024	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
018	18-3024	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
019	19-3024	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
020	20-3024	Homogeneous	Gray Stucco	Asbestos Not Present	NA	Sand CaCO3

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 244190
Account Number: B929

Client: Harenda Management Group
Dean Jacobsen
1237 West Bruce St.
Milwaukee, WI 53204

Date Received: 11/24/2014
Received By: Patrick Mlekush

Date Analyzed: 11/26/2014
Analyzed By: Cristal Veech
Methodology: EPA/600/R-93/116

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042-3024

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
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Cristal Veech

Cristal Veech, Analyst

11/26/2014

Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuantEM is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



ASBESTOS CHAIN OF CUSTODY
 2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 244190
 Accept Reject

Report Results (one box)
 QuantEM Website
 Other email _____

Contact Information
 Company: **Harenda Management Group**
 Contact: **Dean Jacobsen**
 Account #: **B929**
 Phone: **(414) 383-4800**
 Cell Phone: _____
 E-mail: **djacobsen@harenda.com**
 Date: _____

Project Information
 Project Name: **DNS**
 Project Location: **Milwaukee, WI**
 Project ID: **14-200-042-3024**
 P.O. Number: _____

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Dean Jacobsen</i>	11/21/14 1700	FedEx	<i>[Signature]</i>	11/24 10am

REQUESTED SERVICES (Please the Appropriate Boxes)

	PLM		PLM		TEM		TEM		TURNAROUND TIME
	Bulk Analysis (EPA 600/R-93/116)	400 Point Count	Vermiculite Attic Insulation (EPA 600/R-04/004)	Other	Air- AHERA	Air- NIOSH 7402	Air- ISO 10312	Bulk- Presence / Absence EPA600/R-93/116	
<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rush
<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Same Day
<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	24 - Hour
<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3 - Day
<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Color	Volume / Area (as applicable)	Comments / Notes
1	1	<input checked="" type="checkbox"/>				
2	2	<input type="checkbox"/>				
3	3	<input type="checkbox"/>				
4	4	<input type="checkbox"/>				
5	5	<input type="checkbox"/>				
6	6	<input type="checkbox"/>				
7	7	<input type="checkbox"/>				
8	8	<input type="checkbox"/>				
9	9	<input type="checkbox"/>				
10	10	<input checked="" type="checkbox"/>				Do Not Test Mastic



ASBESTOS CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. _____	Accept <input type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Project Name: DNS	Project Location: Milwaukee, WI			
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	<input checked="" type="checkbox"/>				Do Not Test Mustic
12	12	<input type="checkbox"/>				
13	13	<input type="checkbox"/>				
14	14	<input type="checkbox"/>				
15	15	<input type="checkbox"/>				
16	16	<input type="checkbox"/>				
17	17	<input type="checkbox"/>				
18	18	<input type="checkbox"/>				
19	19	<input type="checkbox"/>				
20	20	<input checked="" type="checkbox"/>				
21		<input type="checkbox"/>				
22		<input type="checkbox"/>				
23		<input type="checkbox"/>				
24		<input type="checkbox"/>				
25		<input type="checkbox"/>				
26		<input type="checkbox"/>				
27		<input type="checkbox"/>				
28		<input type="checkbox"/>				
29		<input type="checkbox"/>				
30		<input type="checkbox"/>				

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

is certified under ch. HFS 159, Wis. Adm. Code as a

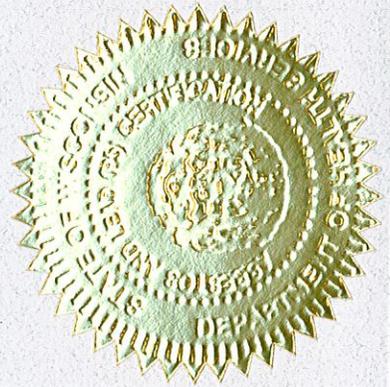
Asbestos Company - Primary

Certificate Issue Date: 09/11/2013
Expiration Date: 08/31/2015, 12:01 a.m.
Certification #: CAP-480540

Wisconsin Department of Health Services
Division of Public Health
Bureau of Environmental and Occupational Health
Asbestos & Lead Section
PO Box 2659
Madison WI 53701-2659
Phone: (608) 261-6876



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Eric Duane Christon
10908 W Langlade St
Milwaukee WI 53225-1319

		275 lbs	6' 01"
All-12823	Exp: 03/19/2015	11/16/1969	Male

Training due by: 03/19/2015

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**Two Family Dwelling
2548 South 5th Place
Milwaukee, Wisconsin**

For:

City of Milwaukee
Department of Neighborhood Services
Attn: Marge Piwaron
841 North Broadway 1st Floor
Milwaukee, Wisconsin 53202-3613

**HMG Report No.: 15-400-004.2548
Contract No.: 360-15-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

April 2015

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2548 South 5th Place, Milwaukee, Wisconsin.

The inspection included plaster, texture, asphalt shingle siding, tar paper, blown in insulation, caulk, ceramic tile, linoleum, window glazing compound, and flue packing to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M and NR 447 of the Wisconsin Administrative Code*.

II. BUILDING SURVEY

Marge Piwaron, of the City of Milwaukee Department of Neighborhood Services, authorized HMG to conduct a building survey and to analyze samples taken during the inspection.

On March 20, 2015, HMG conducted an asbestos inspection of a two family dwelling, scheduled for fire training and mechanical demolition, located at 2548 South 5th Place, Milwaukee, Wisconsin. The inspection was conducted by Damian Rogowski, Wisconsin License No. AII – 161300.

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building.
2. Sampling and documentation of observable suspect materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive materials existing within the spaces.

The results of the survey integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples taken are outlined in this document. If you have any questions please contact HMG at (414) 383-4800.

III. THE LABORATORY

A. METHOD OF ANALYSIS

Analysis is performed by using the bulk samples for visual observation and slide preparation(s) for microscopical examination and identification. The slides are analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining), morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents.

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk

sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, texture, asphalt shingle siding, tar paper, blown in insulation, caulk, ceramic tile, linoleum, window glazing compound, and flue packing. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1	Exterior – west wall – asphalt shingle siding	Negative	MSS
2	Exterior – south wall – asphalt shingle siding	Negative	MSS
3	Exterior – east wall – asphalt shingle siding	Negative	MSS
4	Exterior – west wall under wood siding – tar paper	Negative	MPT
5	Exterior – south wall under wood siding – tar paper	Negative	MPT
6	Exterior – east wall under wood siding – tar paper	Negative	MPT
7	Exterior – in west wall – blown in insulation	Negative	MBI
8	Exterior – in south wall – blown in insulation	Negative	MBI
9	Exterior – in east wall – blown in insulation	Negative	MBI
10	Exterior – around south window – white caulk	Negative	MCLKw
11	Exterior – around west window – white caulk	Negative	MCLKw
12	Exterior – around east window – white caulk	Negative	MCLKw
13	Exterior – at dryer vent – cream caulk	Negative	MCLKc
14	1 st floor – kitchen – east wall – plaster	Negative	SPI
15	Basement – stair – north wall – plaster	Negative	SPI
16	1 st floor – living room – north wall – plaster	Negative	SPI
17	2 nd floor – kitchen – east wall – plaster	Negative	SPI
18	2 nd floor – living room – west wall – plaster	Negative	SPI
19a	2 nd floor – pantry – south wall – plaster skim coat	Negative	SPI
19b	2 nd floor – pantry – south wall – plaster base coat	Negative	SPI
20a	1 st floor – pantry – west wall – plaster skim coat	Negative	SPI
20b	1 st floor – pantry – west wall – plaster base coat	Negative	SPI
21a	1 st floor – kitchen – on wall – beige ceramic tile	Negative	MCTMe
21b	1 st floor – kitchen – on wall – under ceramic tile – mastic	Negative	MCTMe
22	1 st floor – storage room – brown and red linoleum	Negative	MFLbr
23	1 st floor – kitchen north side – tan and brown linoleum	Positive 30% Chrysotile	MFLtn
24	1 st floor – kitchen south side – tan and brown linoleum	Positive 30% Chrysotile	MFLtn
25	1 st floor – kitchen west side – tan and brown linoleum	Positive 30% Chrysotile	MFLtn
26	1 st floor – middle bedroom – gold and brown linoleum	Positive 30% Chrysotile	MFLdn
27a	1 st floor – bathroom – on walls – white ceramic tile	Negative	MCTMw

Sample #	Location and Description	Results	Homogeneous Code
27b	1 st floor – bathroom – on walls – under ceramic tile – mastic	Negative	MCTMw
28	1st floor – bathroom – top layer – yellow linoleum	Positive 30% Chrysotile	MFLI
29a	1 st floor – bathroom – under floor tile – black linoleum	Negative	MFLk
29b	1 st floor – bathroom – under black linoleum – mastic	Negative	MFLk
30	1 st floor – bathroom – at tub – white caulk #2	Negative	MCLKw2
31a	Basement – stair – brown linoleum	Negative	MFLn
31b	Basement – stair – under linoleum – mastic	Negative	MFLn
32a	1 st floor – stair – brown linoleum	Negative	MFLn
32b	1 st floor – stair – under linoleum – mastic	Negative	MFLn
33a	2 nd floor – stair – brown linoleum	Negative	MFLn
33b	2 nd floor – stair – under linoleum – mastic	Negative	MFLn
37a	2 nd floor – kitchen – on walls – red ceramic tile	Negative	MCTMr
37b	2 nd floor – kitchen – on walls – under ceramic tile – mastic	Negative	MCTMr
38	2 nd floor – storage room – brown and red linoleum	Negative	MFLnr
39	2 nd floor – pantry on counter – white and red linoleum	Negative	MFLwr
40	Exterior – on north window – glazing compound	Negative	MPG
41	Exterior – on south window – glazing compound	Negative	MPG
42	Exterior – on east window – glazing compound	Negative	MPG
43a	2 nd floor – bathroom – on walls – cream ceramic tile	Negative	MCTMc
43b	2 nd floor – bathroom – on walls – under ceramic tile – mastic	Trace <1% Chrysotile	MCTMc
43c	2 nd floor – bathroom – on walls – under mastic – mortar	Negative	MCTMc
44	Attic – east side – gray and blue linoleum	Negative	MFLyb
45	Attic – center – beige and brown linoleum	Negative	MFLen
46	Attic – center – white and black linoleum	Negative	MFLwk
47	Attic – west side – brown and green linoleum	Negative	MFLng
48a	Attic – west side wall – plaster #2 skim coat	Negative	SPI2
48b	Attic – west side wall – plaster #2 base coat	Negative	SPI2
49a	Attic – west side wall – plaster #2 skim coat	Negative	SPI2
49b	Attic – west side wall – plaster #2 base coat	Negative	SPI2
50a	Attic – west side wall – plaster #2 skim coat	Negative	SPI2
50b	Attic – west side wall – plaster #2 base coat	Negative	SPI2
51	Basement – on north side of chimney – dark gray flue packing	Negative	TFPydark
52	Basement – on west side of chimney – light gray flue packing	Negative	TFPylight
53	Attic – east side wall – fiberboard	Negative	MFB
54	Attic – east side wall – fiberboard	Negative	MFB
55a	Attic – east side wall – fiberboard	Negative	MFB
55b	Attic – east side wall – on fiberboard – joint compound	Negative	MFB

The following materials sampled were found to contain more than 1% asbestos:

Material	Homogeneous Code	Location	Approximate Quantity
Tan & Brown Linoleum	MFLtn	1 st Floor Kitchen	200 Sq. Ft.
Gold & Brown Linoleum	MFLdn	1 st Floor Middle Bedroom	90 Sq. Ft.
Yellow Linoleum	MFLI	1 st Floor Bathroom Top Layer on Floor Tile	30 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	900 Sq. Ft.
1 st	Bathroom	Floor Tile & Mastic	30 Sq. Ft.
2 nd	Kitchen/Pantry/Bathroom/Living Room	Floor Tile & Mastic	320 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
SPI2	Plaster #2
MSS	Asphalt Shingle Siding
MPT	Tar Paper
MBI	Blown in Insulation
MCLKw	White Caulk
MCLKw2	White Caulk #2
MCLKc	Cream Caulk
MCTMe	Beige Ceramic Tile
MCTMw	White Ceramic Tile
MCTMr	Red Ceramic Tile
MCTMc	Cream Ceramic Tile
MFLI	Yellow Linoleum
MFLbr	Brown & Red Linoleum
MFLtn	Tan & Brown Linoleum
MFLdn	Gold & Brown Linoleum
MFLk	Black Linoleum
MFLn	Brown Linoleum
MFLyb	Gray & Blue Linoleum
MFLen	Beige & Brown Linoleum
MFLwk	White & Black Linoleum
MFLng	Brown & Green Linoleum
MPG	Glazing Compound
TFPydark	Dark Gray Flue Packing
TFPylight	Light Gray Flue Packing

Note#1: The linoleums are friable materials and must be abated by a Wisconsin certified asbestos company prior to demolition. Asphalt roofing is a category I non friable materials and may remain on the building if the demolition debris will be disposed at a Wisconsin licensed landfill.

Note#2: Assumed category I – Non-Friable Asbestos Containing Materials may become friable during mechanical demolition activities or maybe considered friable prior to demolition activities due to its current condition.

Note#3: If additional materials are discovered during demolition that are not listed above they are to be assumed to be asbestos containing.

Note#4: A copy of this report should be transmitted to the demolition contractor.

V. EXCLUSIONS

Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.

HMG is not and shall not represent the building owner as its agent or representative for the purpose of the US EPA/NESHAP and/or the WDNR/NR447 regulations, as owner/operator.

This report represents the condition of the building and its visible/accessible suspect asbestos containing materials at the date and the times of the onsite inspection. Hidden materials or those materials that could be present at the point of inspection, over and above those stated in the inspection report, are the responsibility of the building owner and the demolition contractor.

VI. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our Polarized Light Microscopy, unless otherwise specified by the client. The findings and conclusions of HMG represent our professional opinions extrapolated from limited data. Significant limited data is gathered during the course of the preliminary asbestos specific site assessment. No other warranty is expressed or implied. Prior to any abatement or renovation activities, it is recommended that HMG be provided the opportunity to review such plans in order that the inspection and assessments contained herein are properly interpreted and implemented.

This report and the information contained herein are prepared for the sole and exclusive use and possession of the City of Milwaukee Department of Neighborhood Services. No other person or entity may rely on this report or any information contained herein. Any dissemination of the Report or any information contained herein is strictly prohibited without prior written authorization from Harenda Management Group.

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

This guide lists materials and products commonly found in buildings with examples. It is not intended as a substitute for reading the rules and statutes and making your own independent determination of their applicability to your demolition project. These examples presented here do not represent an exhaustive listing of types of materials that may be required to be removed from the building prior to demolition.

ASBESTOS

Persons conducting inspections for asbestos must hold a valid asbestos inspector certification card issued by the State of Wisconsin, Dept. of Health Services. **Please follow the Asbestos Inspection and Sampling Protocol for Buildings to be Demolished or Renovated.**

CFCs and HALONS

Equipment that may contain CFCs and Halons:

<u>N/A</u>	Air Conditioners (roof top, room, and central)
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>N/A</u>	Refrigerators, Freezers, Chillers
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>N/A</u>	Fire Extinguishers (both portable and installed HALON suppression systems)
<u>N/A</u>	Water Coolers

LEAD

Lead or Lead Based Paint (LBP) is common in many older buildings. When recycling construction and demolition debris, be aware that wood containing lead paint may not be chipped and spread for landscaping. State law also prohibits the sale or transfer of any fixture or other object containing LBP that might be placed upon any surface of a dwelling, which is ordinarily accessible to children.

MERCURY

Products that may contain mercury:

LIGHTING

<u>14</u>	Fluorescent Lights – 1 st Floor Kitchen, Living Room, & Bedrooms, 2 nd Floor Bedrooms
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

HVAC

Check thermostats and any control associated with air handling units for switches containing mercury.

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

<u>N/A</u>	Old Thermostats
<u>N/A</u>	Aquastats
<u>N/A</u>	Firestats
<u>N/A</u>	Manometers
<u>N/A</u>	Thermometers

BOILERS, FURNACES, HEATERS AND TANKS – 1 Furnace & 2 Water Heaters in the Basement

<u>N/A</u>	Mercury Flame Sensors by pilot lights
<u>N/A</u>	Manometers, Thermometers, Gauges
<u>N/A</u>	Pressure-trol
<u>N/A</u>	Float or Level Controls
<u>N/A</u>	Space Heaters

ELECTRICAL SYSTEMS – 1 Breaker Box in Basement

<u>N/A</u>	Load Meters and Supply Relays
<u>N/A</u>	Phase Splitters
<u>N/A</u>	Microwave Relays
<u>N/A</u>	Mercury Displacement Relays

PCBs

For electrical devices manufactured prior to 1987, it is safe to assume that they contain PCBs and should be managed accordingly. Most equipment manufactured after this time will say "PCB Free". The following is a list of areas in a building where PCBs may be found:

<u>N/A</u>	Transformers
<u>N/A</u>	Capacitors (appliances, electronic equipment)
<u>N/A</u>	Heat Transfer Equipment
<u>1</u>	Light Ballasts – 1 st Floor Kitchen
<u>N/A</u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u>N/A</u>	Sumps or Oil Traps (in maintenance and industrial facilities)

OTHER ENVIRONMENTAL ISSUES

<u>N/A</u>	Hazardous Waste
<u>2</u>	Oil Tanks – Basement
<u>N/A</u>	Well Abandonment
<u>N/A</u>	Junk Auto Tires
<u>N/A</u>	Junk Vehicles

* 2 Gas Meters, 8 Gallons Paint, & 8 Gallons Varnish in Basement

VIII. LABORATORY RESULTS



2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 247882	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/23/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/27/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Miswaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2548

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Brown Siding	Asbestos Not Present	Cellulose 45	Quartz Tar
002	2	Homogeneous	Brown Siding	Asbestos Not Present	Cellulose 45	Quartz Tar
003	3	Homogeneous	Brown Siding	Asbestos Not Present	Cellulose 45	Vinyl Tar
004	4	Homogeneous	Black/Brown Tar Paper	Asbestos Not Present	Cellulose 70	Tar
005	5	Homogeneous	Black/Brown Tar Paper	Asbestos Not Present	Cellulose 70	Tar
006	6	Homogeneous	Black/Brown Tar Paper	Asbestos Not Present	Cellulose 70	Tar
007	7	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	

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Analyzed By: Gayle Ooten	Project Location: Miswaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2548

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
009	9	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
010	10	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
011	11	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
012	12	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
013	13	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3

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Received By: Judy Rowan	Milwaukee, WI 53204
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Analyzed By: Gayle Ooten	Project Location: Miswaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2548

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Gypsum Paint
015	15	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Gypsum Paint
016	16	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Gypsum Paint
017	17	Homogeneous	White Plaster	Asbestos Not Present	NA	Quartz Gypsum Paint
018	18	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Gypsum Paint
019	19	Layered	Tan Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2548

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Gypsum
020	20	Layered	Tan Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
020a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Gypsum
021	21	Layered	Beige Tile	Asbestos Not Present	NA	Plastic
021a		Layered	Cream Caulk	Asbestos Not Present	NA	CaCO3 Binder
022	22	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 25	Tar
023	23	Homogeneous	Tan Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl

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Date Analyzed: 03/27/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Miswaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2548

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
024	24	Homogeneous	Beige Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl
025	25	Homogeneous	Brown Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl
026	26	Homogeneous	Tan/Beige Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl
027	27	Layered	White Tile	Asbestos Not Present	NA	Plastic
027a		Layered	Tan Caulk	Asbestos Not Present	NA	CaCO3 Binder
028	28	Homogeneous	Cream Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl

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Analyzed By: Gayle Ooten	Project Location: Miswaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2548

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
029	29	Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
029a		Layered	Black Mastic	Asbestos Not Present	NA	Tar
030	30	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
031	31	Layered	Tan Linoleum	Asbestos Not Present	Cellulose 25 Synthetic 15	CaCO3 Binder
031a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
032	32	Layered	Tan Linoleum	Asbestos Not Present	Cellulose 25 Synthetic 10	CaCO3 Binder
032a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2548

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
033	33	Layered	Tan Linoleum	Asbestos Not Present	Cellulose 25 Synthetic 10	CaCO3 Binder
033a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
034	37	Layered	Red Tile	Asbestos Not Present	NA	Plastic
034a		Layered	Tan Caulk	Asbestos Not Present	NA	CaCO3 Binder
035	38	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar
036	39	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2548

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
037	40	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
038	41	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
039	42	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
040	43	Layered	White Tile	Asbestos Not Present	NA	Plastic
040a		Layered	Yellow Mastic	Asbestos Present Chrysotile <1	NA	CaCO3 Binder
040b		Layered	Gray Leveling Compound	Asbestos Not Present	Cellulose	3 Gypsum CaCO3
041	44	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose	25 Tar

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2548

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
042	45	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar
043	46	Homogeneous	Black Linoleum	Asbestos Not Present	Cellulose 25	Tar
044	47	Homogeneous	Black Linoleum	Asbestos Not Present	Cellulose 25	Tar
045	48	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz Gypsum Paint
045a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
046	49	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz Gypsum Paint

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Analyzed By: Gayle Ooten	Project Location: Miswaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2548

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
046a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
047	50	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz Gypsum Paint
047a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
048	51	Homogeneous	Gray Concrete	Asbestos Not Present	NA	Quartz CaCO3
049	52	Homogeneous	Gray Concrete	Asbestos Not Present	NA	Quartz CaCO3
050	53	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 80	Quartz Paint
051	54	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 80	Quartz Paint

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
052	55	Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
052a		Layered	White Joint Compound	Asbestos Not Present	NA	Quartz Gypsum

Gayle Ooten, Analyst

3/27/2015

Date of Report

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ASBESTOS CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 247882
 Accept Reject

Report Results (one box)
 QuanTEM Website
 Other_email _____

Contact Information
 Company: **Harenda Management Group**
 Contact: **Dean Jacobsen**
 Account #: **B929**
 SAMPLER BY: Name: _____
 Phone: **(414) 383-4800**
 Cell Phone: _____
 E-mail: **djacobsen@harenda.com**
 Date: _____

Project Information
 Project Name: **DNS**
 Project Location: **Milwaukee, WI**
 Project ID: **15-400-004.2548**
 P.O. Number: _____

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Dean Jacobsen</i>	<u>3/20/15 1700</u>	<u>FedEx</u>	<u>Judy Rowan</u>	<u>3/23/15 1000</u>

REQUESTED SERVICES (Please the Appropriate Boxes)

PLM	PLM	TEM	TEM	TURNAROUND TIME
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Same Day
<input type="checkbox"/> 1000 Point Count	<input type="checkbox"/> PCM	<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> 24 - Hour
<input type="checkbox"/> Gravimetric Preparation		<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/> 3 - Day
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	<u>1</u>	<input checked="" type="checkbox"/>				
2	<u>2</u>	<input type="checkbox"/>				
3	<u>3</u>	<input type="checkbox"/>				
4	<u>4</u>	<input type="checkbox"/>				
5	<u>5</u>	<input type="checkbox"/>				
6	<u>6</u>	<input type="checkbox"/>				
7	<u>7</u>	<input type="checkbox"/>				
8	<u>8</u>	<input type="checkbox"/>				
9	<u>9</u>	<input type="checkbox"/>				
10	<u>10</u>	<input checked="" type="checkbox"/>				



ASBESTOS CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
(800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. <u>247883</u>
<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject

Project Information				Project Name: DNS	Project Location: Milwaukee, WI	
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	<input checked="" type="checkbox"/>				
12	12	<input type="checkbox"/>				
13	13	<input type="checkbox"/>				
14	14	<input type="checkbox"/>				
15	15	<input type="checkbox"/>				
16	16	<input type="checkbox"/>				
17	17	<input type="checkbox"/>				
18	18	<input type="checkbox"/>				
19	19	<input type="checkbox"/>				
20	20	<input type="checkbox"/>				
21	21	<input type="checkbox"/>				
22	22	<input type="checkbox"/>				
23	23	<input type="checkbox"/>				
24	24	<input type="checkbox"/>				
25	25	<input type="checkbox"/>				
26	26	<input type="checkbox"/>				
27	27	<input type="checkbox"/>				
28	28	<input type="checkbox"/>				
29	29	<input type="checkbox"/>				
30	30	<input checked="" type="checkbox"/>				



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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. <u>247882</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

Project Information				Project Name: DNS	Project Location: Milwaukee, WI	
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	31	<input checked="" type="checkbox"/>				
32	32	<input type="checkbox"/>				
33	33	<input type="checkbox"/>				
34	37	<input type="checkbox"/>				
35	38	<input type="checkbox"/>				
36	39	<input type="checkbox"/>				
37	40	<input type="checkbox"/>				
38	41	<input type="checkbox"/>				
39	42	<input type="checkbox"/>				
40	43	<input type="checkbox"/>				
41	44	<input type="checkbox"/>				
42	45	<input type="checkbox"/>				
43	46	<input type="checkbox"/>				
44	47	<input type="checkbox"/>				
45	48	<input type="checkbox"/>				
46	49	<input type="checkbox"/>				
47	50	<input type="checkbox"/>				
48	51	<input type="checkbox"/>				
49	52	<input type="checkbox"/>				
50	53	<input checked="" type="checkbox"/>				



ASBESTOS CHAIN OF CUSTODY

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. <u>247882</u>
<input type="radio"/> Accept <input type="radio"/> Reject

Project Information				Project Name: DNS	Project Location: Milwaukee, WI	
No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
<u>51</u>		<input checked="" type="checkbox"/>				
<u>52</u>		<input checked="" type="checkbox"/>				
<u> 3</u>		<input type="checkbox"/>				
<u> 4</u>		<input type="checkbox"/>				
<u> 5</u>		<input type="checkbox"/>				
<u> 6</u>		<input type="checkbox"/>				
<u> 7</u>		<input type="checkbox"/>				
<u> 8</u>		<input type="checkbox"/>				
<u> 9</u>		<input type="checkbox"/>				
<u> 0</u>		<input type="checkbox"/>				
<u> 1</u>		<input type="checkbox"/>				
<u> 2</u>		<input type="checkbox"/>				
<u> 3</u>		<input type="checkbox"/>				
<u> 4</u>		<input type="checkbox"/>				
<u> 5</u>		<input type="checkbox"/>				
<u> 6</u>		<input type="checkbox"/>				
<u> 7</u>		<input type="checkbox"/>				
<u> 8</u>		<input type="checkbox"/>				
<u> 9</u>		<input type="checkbox"/>				
<u> 0</u>		<input type="checkbox"/>				

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

is certified under ch. HFS 159, Wis. Adm. Code as a

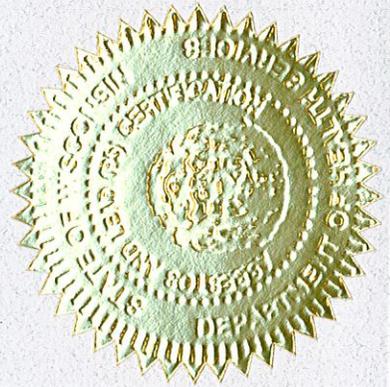
Asbestos Company - Primary

Certificate Issue Date: 09/11/2013
Expiration Date: 08/31/2015, 12:01 a.m.
Certification #: CAP-480540

Wisconsin Department of Health Services
Division of Public Health
Bureau of Environmental and Occupational Health
Asbestos & Lead Section
PO Box 2659
Madison WI 53701-2659
Phone: (608) 261-6876



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor



ASBESTOS INSPECTOR
Issued By
STATE OF WISCONSIN
Dept. of Health Services


Damian Scott Rogowski
140 E Davis St
Beaver Dam WI 53916-2943

		185 lbs	5' 10"
All-161300	Exp: 03/19/2016	12/01/1980	Male

Training due by: 03/19/2016

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**Two Family Dwelling
2804-06 North 18th Street
Milwaukee, Wisconsin**

For:

City of Milwaukee
Department of Neighborhood Services
Attn: Marge Piwaron
841 North Broadway 1st Floor
Milwaukee, Wisconsin 53202-3613

**HMG Report No.: 15-400-004.2804
Contract No.: 360-15-0745**

A handwritten signature in black ink, appearing to read 'Dean Jacobsen', is written over a horizontal line.

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

March 2015

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2804-06 North 18th Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, transite siding, asphalt shingle siding, tar paper, linoleum, fiberboard, ceiling tile, ceramic tile, window glazing compound, duct paper, flue packing, and mastic to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M and NR 447 of the Wisconsin Administrative Code*.

II. BUILDING SURVEY

Marge Piwaron, of the City of Milwaukee Department of Neighborhood Services, authorized HMG to conduct a building survey and to analyze samples taken during the inspection.

On February 27, 2015, HMG conducted an asbestos inspection of a two family dwelling, scheduled for fire training and mechanical demolition, located at 2804-06 North 18th Street, Milwaukee, Wisconsin. The inspection was conducted by Jazmin Spears, Wisconsin License No. AII – 111055.

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building.
2. Sampling and documentation of observable suspect materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive materials existing within the spaces.

The results of the survey integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples taken are outlined in this document. If you have any questions please contact HMG at (414) 383-4800.

III. THE LABORATORY

A. METHOD OF ANALYSIS

Analysis is performed by using the bulk samples for visual observation and slide preparation(s) for microscopical examination and identification. The slides are analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining), morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents.

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, texture, transite siding, asphalt shingle siding, tar paper, linoleum, fiberboard, ceiling tile, ceramic tile, window glazing compound, duct paper, flue packing, and mastic. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1	Exterior – east wall – transite siding	Positive 20% Chrysotile	MTP
2	Exterior – south wall – transite siding	Positive 20% Chrysotile	MTP
3	Exterior – west wall – transite siding	Positive 20% Chrysotile	MTP
4	Exterior – east wall – under tar paper – asphalt shingle siding	Negative	MSS
5	Exterior – south wall – under tar paper – asphalt shingle siding	Negative	MSS
6	Exterior – west wall – under tar paper – asphalt shingle siding	Negative	MSS
7	Exterior – east wall – under transite – tar paper	Negative	MPT
8	Exterior – south wall – under transite – tar paper	Negative	MPT
9	Exterior – west wall – under transite – tar paper	Negative	MPT
10a	1 st floor – front entry – ceiling – plaster skim coat	Negative	SPI
10b	1 st floor – front entry – ceiling – plaster base coat	Negative	SPI
11a	1 st floor – living room – west wall – plaster skim coat	Negative	SPI
11b	1 st floor – living room – west wall – plaster base coat	Negative	SPI
12a	1 st floor – dining room – east wall – plaster skim coat	Negative	SPI
12b	1 st floor – dining room – east wall – plaster base coat	Negative	SPI
13	2 nd floor – northeast bedroom – north wall – plaster base coat	Negative	SPI
14a	2 nd floor – kitchen – west wall – plaster skim coat	Negative	SPI
14b	2 nd floor – kitchen – west wall – plaster base coat	Negative	SPI
15a	2 nd floor – east bedroom – east wall – plaster skim coat	Negative	SPI
15b	2 nd floor – east bedroom – east wall – plaster base coat	Negative	SPI
16a	2 nd floor – bathroom – south wall – plaster skim coat	Negative	SPI
16b	2 nd floor – bathroom – south wall – plaster base coat	Negative	SPI
17	1 st floor – living room – ceiling – texture	Negative	STX
18	1 st floor – dining room – ceiling – texture	Negative	STX
19	1 st floor – dining room – west wall – texture	Negative	STX
20	1 st floor – living room – east wall – texture	Negative	STX
21	1 st floor – living room – north wall – texture	Negative	STX

Sample #	Location and Description	Results	Homogeneous Code
22	2 nd floor – bathroom – ceiling – texture	Negative	STX
23	1 st floor – north bedroom – under floor tile – yellow linoleum	Positive 25% Chrysotile	MFLI
24	1 st floor – north bedroom – on east wall – fiberboard	Negative	MFB
25	1 st floor – kitchen – under floor tile – tan linoleum	Positive 30% Chrysotile	MFLt
26	1 st floor – kitchen – under plywood – gray linoleum	Negative	MFLy
27	1 st floor – kitchen – white ceiling tile	Negative	MSCTw
28	2 nd floor – bathroom – under floor tile – tan and beige linoleum	Positive 30% Chrysotile	MFLte
29	1 st floor – bathroom – beige ceiling tile	Negative	MSCTe
30	1 st floor – bathroom – under floor tile – beige linoleum	Negative	MFLe
31a	1 st floor – bathroom – on tub wall – white ceramic tile	Negative	MCTMw
31b	1 st floor – bathroom – on tub wall – under ceramic tile – mastic	Negative	MCTMw
32a	2 nd floor – kitchen – under floor tile – yellow and white linoleum	Negative	MFLlw
32b	2 nd floor – kitchen – under yellow and white linoleum – tan and white linoleum	Positive 25% Chrysotile	MFLtw
33	2 nd floor – kitchen – under tan and white linoleum – cream linoleum	Positive 25% Chrysotile	MFLc
34	1 st floor – west bedroom – on west wall duct – duct paper	Positive 60% Chrysotile	TDW
35	2 nd floor – north bedroom – on south wall duct – duct paper	Positive 60% Chrysotile	TDW
36	Basement – on duct at ceiling – duct paper	Positive 60% Chrysotile	TDW
37	Basement – on chimney – flue packing	Positive 20% Chrysotile	TFP
38	1 st floor – dining room – on window – glazing compound	Positive 3% Chrysotile	MPG
39	2 nd floor – living room – on window – glazing compound	Positive 3% Chrysotile	MPG
40	Basement – on window – glazing compound	Positive 3% Chrysotile	MPG

The following materials sampled were found to contain more than 1% asbestos:

Material	Homogeneous Code	Location	Approximate Quantity
Transite Siding	MTP	Exterior Walls	2,700 Sq. Ft.
Yellow Linoleum	MFLI	1 st Floor Bedrooms Under Floor Tile	170 Sq. Ft.
Tan Linoleum	MFLt	1 st Floor Kitchen Under Floor Tile	150 Sq. Ft.
Tan & Beige Linoleum	MFLte	2 nd Floor Bathroom Under Floor Tile	30 Sq. Ft.
Tan & White Linoleum	MFLtw	2 nd Floor Kitchen Under Floor Tile	130 Sq. Ft.
Beige & Tan Linoleum	MFLet	2 nd Floor Kitchen Under Tan & White Linoleum	130 Sq. Ft.

Material	Homogeneous Code	Location	Approximate Quantity
Flue Packing	TFP	Basement on Chimney	2 Sq. Ft.
Duct Paper	TDW	Basement, 1 st & 2 nd Floor Ducts	130 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	800 Sq. Ft.
1 st	Front Entry/Pantry/Stair	Floor Tile & Mastic	220 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STX	Texture
MTP	Transite
MPT	Tar Paper
MSS	Asphalt Shingle Siding
MCTMw	White Ceramic Tile
MFLI	Yellow Linoleum
MFLt	Tan Linoleum
MFLy	Gray Linoleum
MFLte	Tan & Beige Linoleum
MFLe	Beige Linoleum
MFLlw	Yellow & White Linoleum
MFLtw	Tan & White Linoleum
MFLc	Cream Linoleum
MSCTw	White Ceiling Tile
MSCTe	Beige Ceiling Tile
MPG	Glazing Compound
TFP	Flue packing
TDW	Duct Paper

Note#1: The transite siding, linoleums, flue packing, and duct paper are friable and category II non-friable materials and must be abated by a Wisconsin certified asbestos company prior to demolition. The floor tile and mastic are category I non-friable materials and may remain on the building during demolition if the demolition debris will be disposed at a Wisconsin licensed landfill.

Note#2: Category I – Non-Friable Asbestos Containing Materials may become friable during mechanical demolition activities or maybe considered friable prior to demolition activities due to its current condition.

Note#3: If additional materials are discovered during demolition that are not listed above they are to be assumed to be asbestos containing.

Note#4: A copy of this report should be transmitted to the demolition contractor.

Note#5: Additional duct paper may be within walls and ceilings.

V. EXCLUSIONS

No visible or accessible areas were excluded from the scope of work.

HMG is not and shall not represent the building owner as its agent or representative for the purpose of the US EPA/NESHAP and/or the WDNR/NR447 regulations, as owner/operator.

This report represents the condition of the building and its visible/accessible suspect asbestos containing materials at the date and the times of the onsite inspection. Hidden materials or those materials that could be present at the point of inspection, over and above those stated in the inspection report, are the responsibility of the building owner and the demolition contractor.

VI. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our Polarized Light Microscopy, unless otherwise specified by the client. The findings and conclusions of HMG represent our professional opinions extrapolated from limited data. Significant limited data is gathered during the course of the preliminary asbestos specific site assessment. No other warranty is expressed or implied. Prior to any abatement or renovation activities, it is recommended that HMG be provided the opportunity to review such plans in order that the inspection and assessments contained herein are properly interpreted and implemented.

This report and the information contained herein are prepared for the sole and exclusive use and possession of the City of Milwaukee Department of Neighborhood Services. No other person or entity may rely on this report or any information contained herein. Any dissemination of the Report or any information contained herein is strictly prohibited without prior written authorization from Harenda Management Group.

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

This guide lists materials and products commonly found in buildings with examples. It is not intended as a substitute for reading the rules and statutes and making your own independent determination of their applicability to your demolition project. These examples presented here do not represent an exhaustive listing of types of materials that may be required to be removed from the building prior to demolition.

ASBESTOS

Persons conducting inspections for asbestos must hold a valid asbestos inspector certification card issued by the State of Wisconsin, Dept. of Health Services. **Please follow the Asbestos Inspection and Sampling Protocol for Buildings to be Demolished or Renovated.**

CFCs and HALONS

Equipment that may contain CFCs and Halons:

<u>N/A</u>	Air Conditioners (roof top, room, and central)
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>N/A</u>	Refrigerators, Freezers, Chillers
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>N/A</u>	Fire Extinguishers (both portable and installed HALON suppression systems)
<u>N/A</u>	Water Coolers

LEAD

Lead or Lead Based Paint (LBP) is common in many older buildings. When recycling construction and demolition debris, be aware that wood containing lead paint may not be chipped and spread for landscaping. State law also prohibits the sale or transfer of any fixture or other object containing LBP that might be placed upon any surface of a dwelling, which is ordinarily accessible to children.

MERCURY

Products that may contain mercury:

LIGHTING

<u>N/A</u>	Fluorescent Lights
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

HVAC

Check thermostats and any control associated with air handling units for switches containing mercury.

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

<u>2</u>	Old Thermostats – 1 st & 2 nd Floor Dining Rooms
<u>N/A</u>	Aquastats
<u>N/A</u>	Firestats
<u>N/A</u>	Manometers
<u>N/A</u>	Thermometers

BOILERS, FURNACES, HEATERS AND TANKS

<u>N/A</u>	Mercury Flame Sensors by pilot lights
<u>N/A</u>	Manometers, Thermometers, Gauges
<u>N/A</u>	Pressure-trol
<u>N/A</u>	Float or Level Controls
<u>N/A</u>	Space Heaters

ELECTRICAL SYSTEMS

<u>N/A</u>	Load Meters and Supply Relays
<u>N/A</u>	Phase Splitters
<u>N/A</u>	Microwave Relays
<u>N/A</u>	Mercury Displacement Relays

PCBs

For electrical devices manufactured prior to 1987, it is safe to assume that they contain PCBs and should be managed accordingly. Most equipment manufactured after this time will say "PCB Free". The following is a list of areas in a building where PCBs may be found:

<u>N/A</u>	Transformers
<u>N/A</u>	Capacitors (appliances, electronic equipment)
<u>N/A</u>	Heat Transfer Equipment
<u>N/A</u>	Light Ballasts
<u>N/A</u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u>N/A</u>	Sumps or Oil Traps (in maintenance and industrial facilities)

OTHER ENVIRONMENTAL ISSUES

<u>N/A</u>	Hazardous Waste
<u>N/A</u>	Oil Tanks
<u>N/A</u>	Well Abandonment
<u>N/A</u>	Junk Auto Tires
<u>N/A</u>	Junk Vehicles

* 5 Gallons Paint in Attic

VIII. LABORATORY RESULTS



2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 247193	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/04/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/11/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2804

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Transite	Asbestos Present Chrysotile 20	NA	CaCO3
002	2	Homogeneous	Gray Transite	Asbestos Present Chrysotile 20	NA	CaCO3
003	3	Homogeneous	Gray Transite	Asbestos Present Chrysotile 20	NA	CaCO3
004	4	Homogeneous	Gray Siding	Asbestos Not Present	Cellulose 45	Quartz Tar
005	5	Homogeneous	Gray Siding	Asbestos Not Present	Cellulose 45	Quartz Tar
006	6	Homogeneous	Gray Siding	Asbestos Not Present	Cellulose 45	Quartz Tar
007	7	Homogeneous	Black/Brown Tar Paper	Asbestos Not Present	Cellulose 80	Tar

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

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Date Analyzed: 03/11/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2804

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Black/Brown Tar Paper	Asbestos Not Present	Cellulose 80	Tar
009	9	Homogeneous	Black/Brown Tar Paper	Asbestos Not Present	Cellulose 80	Tar
010	10	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
010a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
011	11	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
011a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2804

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012	12	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
012a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
013	13	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
014	14	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
014a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
015	15	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 247193	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/04/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/11/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2804

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015a		Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3
015b		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
016	16	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
016a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
017	17	Homogeneous	White Paint	Asbestos Not Present	NA	Paint
018	18	Homogeneous	White Paint	Asbestos Not Present	NA	Paint Perlite
019	19	Homogeneous	White Texture	Asbestos Not Present	Talc	2 CaCO3 Gypsum Paint

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Date Analyzed: 03/11/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2804

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020	20	Homogeneous	White Texture	Asbestos Not Present	Cellulose <1 Talc 3	CaCO3 Gypsum Paint
021	21	Homogeneous	White Texture	Asbestos Not Present	Cellulose 2 Talc 2	CaCO3 Gypsum Paint
022	22	Homogeneous	White Texture	Asbestos Not Present	Cellulose 2 Talc 2	CaCO3 Gypsum Paint
023	23	Homogeneous	Yellow Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
024	24	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 100	
025	25	Homogeneous	Beige Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Date Analyzed: 03/11/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2804

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
026	26	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar
027	27	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
028	28	Homogeneous	Beige Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl
029	29	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
030	30	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 10	Vinyl CaCO3
031	31	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
031a		Layered	White Mastic	Asbestos Not Present	NA	CaCO3 Binder

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Polarized Light Microscopy Asbestos Analysis Report

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2804

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
032	32	Layered	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
032a		Layered	Cream Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
033	33	Homogeneous	Beige Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
034	34	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
035	35	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
036	36	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2804

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
037	37	Homogeneous	White Insulation	Asbestos Present Chrysotile 20	NA	CaCO3
038	38	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3
039	39	Homogeneous	Gray Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3
040	40	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3

Gayle Ooten, Analyst

3/11/2015

Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



ASBESTOS CHAIN OF CUSTODY

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www.QuanTEM.com

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 247193
 Accept Reject

Report Results (one box)
 QuanTEM Website
 Other email _____

Project Information
 Project Name: DNS
 Project Location: Milwaukee, WI
 Project ID: 15-400-004.2804
 P.O. Number: _____

Contact Information
 Company: Harenda Management Group
 Contact: Dean Jacobsen
 Account #: B929
 E-mail: djacobsen@harenda.com
 Phone: (414) 383-4800
 Cell Phone: _____
 Date: _____

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Dean Jacobsen</i>	<u>3/3/15 1700</u>	<u>Fed Ex</u>	<i>Judy Rowan</i>	<u>3/4/15 9:30</u>

REQUESTED SERVICES (Please the Appropriate Boxes)

	PLM	PLM		TEM		TEM		TURNAROUND TIME
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/>	Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/>	Air- AHERA	<input type="checkbox"/>	Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/>
<input type="checkbox"/>	400 Point Count	<input type="checkbox"/>	Other	<input type="checkbox"/>	Air- NIOSH 7402	<input type="checkbox"/>	Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/>
<input type="checkbox"/>	1000 Point Count	<input type="checkbox"/>		<input type="checkbox"/>	Air- ISO 10312	<input type="checkbox"/>	Dust- Presence / Absence	<input type="checkbox"/>
<input type="checkbox"/>	Gravimetric Preparation	<input type="checkbox"/>	PCM	<input type="checkbox"/>	Drinking Water- EPA 100.2	<input type="checkbox"/>	Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/>
<input type="checkbox"/>	Particle ID	<input type="checkbox"/>	NIOSH 7400	<input type="checkbox"/>	Waste Water- EPA 600/4-83-043	<input type="checkbox"/>	Other	<input checked="" type="checkbox"/>

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	<u>1</u>	<input checked="" type="checkbox"/>				
2	<u>2</u>	<input type="checkbox"/>				
3	<u>3</u>	<input type="checkbox"/>				
4	<u>4</u>	<input type="checkbox"/>				
5	<u>5</u>	<input type="checkbox"/>				
6	<u>6</u>	<input type="checkbox"/>				
7	<u>7</u>	<input type="checkbox"/>				
8	<u>8</u>	<input type="checkbox"/>				
9	<u>9</u>	<input type="checkbox"/>				
10	<u>10</u>	<input checked="" type="checkbox"/>				



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For Lab Use Only
Lab No. <u>247193</u>
<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject

Project Information						
Company: Harenda Management Group		Project Name: DNS	Project Location: Milwaukee, WI			
No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	<input checked="" type="checkbox"/>				
12	12	<input type="checkbox"/>				
13	13	<input type="checkbox"/>				
14	14	<input type="checkbox"/>				
15	15	<input type="checkbox"/>				
16	16	<input type="checkbox"/>				
17	17	<input type="checkbox"/>				
18	18	<input type="checkbox"/>				
19	19	<input type="checkbox"/>				
20	20	<input type="checkbox"/>				
21	21	<input type="checkbox"/>				
22	22	<input type="checkbox"/>				
23	23	<input type="checkbox"/>				
24	24	<input type="checkbox"/>				
25	25	<input type="checkbox"/>				
26	26	<input type="checkbox"/>				
27	27	<input type="checkbox"/>				
28	28	<input type="checkbox"/>				
29	29	<input type="checkbox"/>				
30	30	<input checked="" type="checkbox"/>				



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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. _____	Accept _____
	Reject _____

Project Information		Project Name: DNS	Project Location: Milwaukee, WI	
No.	Sample ID (10 Characters Max)	Description	Volume / Area (as applicable)	Comments / Notes
31	31			
32	32			
33	33			
34	34			
35	35			
36	36			
37	37			
38	38			
39	39			
40	40			
41				
42				
43				
44				
45				
46				
47				
48				
49				
50				

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

is certified under ch. HFS 159, Wis. Adm. Code as a

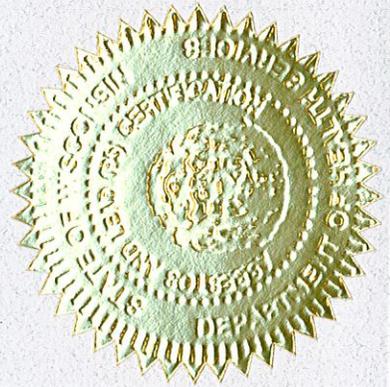
Asbestos Company - Primary

Certificate Issue Date: 09/11/2013
Expiration Date: 08/31/2015, 12:01 a.m.
Certification #: CAP-480540

Wisconsin Department of Health Services
Division of Public Health
Bureau of Environmental and Occupational Health
Asbestos & Lead Section
PO Box 2659
Madison WI 53701-2659
Phone: (608) 261-6876



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor



ASBESTOS INSPECTOR
Issued By
STATE OF WISCONSIN
Dept. of Health Services



Jazmin K. C. Spears
1237 W Bruce St
Milwaukee WI 53204-1218

		198 lbs	5' 08"
All-111055	Exp: 03/27/2015	10/19/1974	Male

Training due by: 03/27/2015

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**Fire Damaged
Two Family Dwelling
3150 North 30th Street
Milwaukee, Wisconsin**

For:

City of Milwaukee
Department of Neighborhood Services
Attn: Marge Piwaron
841 North Broadway 1st Floor
Milwaukee, Wisconsin 53202-3613

**HMG Report No.: 14-200-042.3150
Contract No.: 360-14-0745**

A handwritten signature in black ink, appearing to read 'Dean Jacobsen', is written over a horizontal line.

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

October 2014

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 3150 North 30th Street, Milwaukee, Wisconsin.

The inspection included plaster, flue packing, ceiling tile, window glazing compound, ceramic tile, linoleum, and drywall/joint compound to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M*.

II. BUILDING SURVEY

Marge Piwaron, of the City of Milwaukee Department of Neighborhood Services, authorized HMG to conduct a building survey and to analyze samples taken during the inspection.

On October 2, 2014 HMG conducted an asbestos inspection of a two family dwelling and garage, scheduled for mechanical demolition, located at 3150 North 30th Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building.
2. Sampling and documentation of observable suspect materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive materials existing within the spaces.

The results of the survey integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples taken are outlined in this document. If you have any questions please contact HMG at (414) 383-4800.

III. THE LABORATORY

A. METHOD OF ANALYSIS

Analysis is performed by using the bulk samples for visual observation and slide preparation(s) for microscopical examination and identification. The slides are analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining), morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents.

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP

regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, flue packing, ceiling tile, window glazing compound, ceramic tile, linoleum, and drywall/joint compound. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1a	Basement – on chimney – top layer – gray flue packing	Negative	N/A	TFPy
1b	Basement – on chimney – top layer – light gray flue packing	Trace <1% Chrysotile	N/A	TFPyLight
1b	POINT COUNT RESULT	Trace 0.75% Chrysotile	N/A	TFPy
2	Basement – tv room – west side – 1' x 1' ceiling tile	Negative	N/A	MSCT11
3	Basement – tv room – east side – 1' x 1' ceiling tile	Negative	N/A	MSCT11
4	Basement – tv room – center – 1' x 1' ceiling tile	Negative	N/A	MSCT11
5	1 st floor – living room – on window – glazing compound	Negative	N/A	MPG
6	1 st floor – dining room – on window – glazing compound	Negative	N/A	MPG
7	2 nd floor – kitchen – on window – glazing compound	Negative	N/A	MPG
8	1 st floor – dining room – south wall – plaster	Negative	N/A	SPI
9a	1 st floor – bathroom – east wall – plaster skim coat	Negative	N/A	SPI
9b	1 st floor – bathroom – east wall – plaster base coat	Negative	N/A	SPI
10	1 st floor – kitchen – north wall – plaster	Negative	N/A	SPI
11a	2 nd floor – stair – ceiling – plaster skim coat	Negative	N/A	SPI
11b	2 nd floor – stair – ceiling – plaster base coat	Trace <1% Chrysotile	N/A	SPI
11b	POINT COUNT RESULT	Trace 0.75% Chrysotile	N/A	SPI
12a	2 nd floor – kitchen – west wall – plaster skim coat	Negative	N/A	SPI
12b	2 nd floor – kitchen – west wall – plaster base coat	Trace <1% Chrysotile	N/A	SPI
12b	POINT COUNT RESULT	Trace 0.75% Chrysotile	N/A	SPI
13a	1 st floor – entry floor – white ceramic tile	Negative	N/A	MCTMw
13b	1 st floor – entry floor – grout	Negative	N/A	MCTMw
14	1 st floor – bathroom – 2' x 4' ceiling tile	Negative	N/A	MSCT24
15	2 nd floor – stair – yellow linoleum	Negative	N/A	MFLI
16a	1 st floor – kitchen – ceiling debris – joint compound	Negative	N/A	MDW

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
16b	1 st floor – kitchen – ceiling debris – drywall	Negative	N/A	MDW
17a	1 st floor – kitchen – ceiling debris – joint compound	Negative	N/A	MDW
17b	1 st floor – kitchen – ceiling debris – drywall	Negative	N/A	MDW
18a	1 st floor – kitchen – ceiling debris – joint compound	Negative	N/A	MDW
18b	1 st floor – kitchen – ceiling debris – drywall	Negative	N/A	MDW
19a	1 st floor – kitchen – on west wall – cream ceramic tile	Negative	N/A	MCTMc
19b	1 st floor – kitchen – on west wall – grout	Negative	N/A	MCTMc

Notes: N/A = Not Applicable
Sq. Ft. = Square Feet

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,100 Sq. Ft.
1 st /2 nd	Dwelling	Asphalt Shingle Siding	3,000 Sq. Ft.
1 st	Entry/Stair	Floor Mastic	70 Sq. Ft.
1 st	Bathroom/Hall/ Kitchen/Pantry	Floor Tile & Mastic	260 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MSCT11	1' x 1' Ceiling Tile
MSCT24	2' x 4' Ceiling Tile
MPG	Glazing Compound
MDW	Drywall
MFLI	Yellow Linoleum
MCTMw	White Ceramic Tile
MCTMc	Cream Ceramic Tile
TFPy	Gray Flue Packing
TFPyLight	Light Gray Flue Packing

Note#1: Category I – Non-Friable Asbestos Containing Materials may become friable during mechanical demolition activities or maybe considered friable prior to demolition activities due to its current condition.

Note#2: If additional materials are discovered during demolition that are not listed above they are to be assumed to be asbestos containing.

Note#3: A copy of this report should be transmitted to the demolition contractor.

V. EXCLUSIONS

2nd floor rooms covered with fire debris – floors not accessible. Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.

HMG is not and shall not represent the building owner as its agent or representative for the purpose of the US EPA/NESHAP and/or the WDNR/NR447 regulations, as owner/operator.

This report represents the condition of the building and its visible/accessible suspect asbestos containing materials at the date and the times of the onsite inspection. Hidden materials or those materials that could be present at the point of inspection, over and above those stated in the inspection report, are the responsibility of the building owner and the demolition contractor.

VI. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our Polarized Light Microscopy, unless otherwise specified by the client. The findings and conclusions of HMG represent our professional opinions extrapolated from limited data. Significant limited data is gathered during the course of the preliminary asbestos specific site assessment. No other warranty is expressed or implied. Prior to any abatement or renovation activities, it is recommended that HMG be provided the opportunity to review such plans in order that the inspection and assessments contained herein are properly interpreted and implemented.

This report and the information contained herein are prepared for the sole and exclusive use and possession of the City of Milwaukee Department of Neighborhood Services. No other person or entity may rely on this report or any information contained herein. Any dissemination of the Report or any information contained herein is strictly prohibited without prior written authorization from Harenda Management Group.

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

This guide lists materials and products commonly found in buildings with examples. It is not intended as a substitute for reading the rules and statutes and making your own independent determination of their applicability to your demolition project. These examples presented here do not represent an exhaustive listing of types of materials that may be required to be removed from the building prior to demolition.

ASBESTOS

Persons conducting inspections for asbestos must hold a valid asbestos inspector certification card issued by the State of Wisconsin, Dept. of Health Services. **Please follow the Asbestos Inspection and Sampling Protocol for Buildings to be Demolished or Renovated.**

CFCs and HALONS

Equipment that may contain CFCs and Halons:

<u>N/A</u>	Air Conditioners (roof top, room, and central)
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>N/A</u>	Refrigerators, Freezers, Chillers
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>N/A</u>	Fire Extinguishers (both portable and installed HALON suppression systems)
<u>N/A</u>	Water Coolers

LEAD

Lead or Lead Based Paint (LBP) is common in many older buildings. When recycling construction and demolition debris, be aware that wood containing lead paint may not be chipped and spread for landscaping. State law also prohibits the sale or transfer of any fixture or other object containing LBP that might be placed upon any surface of a dwelling, which is ordinarily accessible to children.

MERCURY

Products that may contain mercury:

LIGHTING

<u>N/A</u>	Fluorescent Lights
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

HVAC

Check thermostats and any control associated with air handling units for switches containing mercury.

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

<u>N/A</u>	Old Thermostats
<u>N/A</u>	Aquastats
<u>N/A</u>	Firestats
<u>N/A</u>	Manometers
<u>N/A</u>	Thermometers

BOILERS, FURNACES, HEATERS AND TANKS

<u>N/A</u>	Mercury Flame Sensors by pilot lights
<u>N/A</u>	Manometers, Thermometers, Gauges
<u>N/A</u>	Pressure-trol
<u>N/A</u>	Float or Level Controls
<u>N/A</u>	Space Heaters

ELECTRICAL SYSTEMS – 2 Breaker Boxes in Basement

<u>N/A</u>	Load Meters and Supply Relays
<u>N/A</u>	Phase Splitters
<u>N/A</u>	Microwave Relays
<u>N/A</u>	Mercury Displacement Relays

PCBs

For electrical devices manufactured prior to 1987, it is safe to assume that they contain PCBs and should be managed accordingly. Most equipment manufactured after this time will say "PCB Free". The following is a list of areas in a building where PCBs may be found:

<u>N/A</u>	Transformers
<u>N/A</u>	Capacitors (appliances, electronic equipment)
<u>N/A</u>	Heat Transfer Equipment
<u>N/A</u>	Light Ballasts
<u>N/A</u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u>N/A</u>	Sumps or Oil Traps (in maintenance and industrial facilities)

OTHER ENVIRONMENTAL ISSUES

<u>N/A</u>	Hazardous Waste
<u>N/A</u>	Oil Tanks
<u>N/A</u>	Well Abandonment
<u>2</u>	Junk Auto Tires – Basement
<u>N/A</u>	Junk Vehicles

* 2 Gas Meters on Exterior

VIII. LABORATORY RESULTS



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 242088	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 10/07/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 10/07/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042-3150

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Layered	Dark Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
001a		Layered	Light Gray Plaster	Asbestos Present Chrysotile <1	NA	Quartz Sand
002	2	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
003	3	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
004	4	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
005	5	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
006	6	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3 Paint

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 242088	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 10/07/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 10/07/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042-3150

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007	7	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
008	8	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand Paint
009	9	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
009a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
010	10	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
011	11	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
011a		Layered	Light Gray Plaster	Asbestos Present Chrysotile <1	NA	Quartz Sand

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 242088	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 10/07/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 10/07/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042-3150

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012	12	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
012a		Layered	Light Gray Plaster	Asbestos Present Chrysotile <1	NA	Quartz Sand
013	13	Layered	Beige Ceramic Tile	Asbestos Not Present	NA	Clay
013a		Layered	White Grout	Asbestos Not Present	NA	Quartz Clay
014	14	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite Paint
015	15	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 25 Glass Fiber 5	Vinyl Foam
016	16	Layered	White Joint Compound	Asbestos Not Present	Cellulose 70	CaCO3 Paint

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 242088	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 10/07/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 10/07/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042-3150

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
017	17	Layered	White Joint Compound	Asbestos Not Present	Cellulose 70	CaCO3 Paint
017a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
018	18	Layered	White Joint Compound	Asbestos Not Present	Cellulose 70	CaCO3 Paint
018a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
019	19	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
019a		Layered	Cream Grout	Asbestos Not Present	NA	Quartz Clay

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 242088

Account Number: B929

Date Received: 10/07/2014

Received By: Judy Rowan

Date Analyzed: 10/07/2014

Analyzed By: Sandy Baker

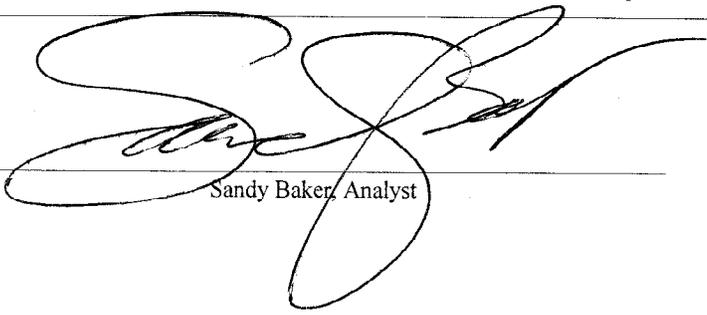
Methodology: EPA/600/R-93/116

Client: Harenda Management Group
Dean Jacobsen
1237 West Bruce St.
Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042-3150

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
				10/7/2014		
			Sandy Baker, Analyst	Date of Report		

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



ASBESTOS CHAIN OF CUSTODY

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

www.QuanTEM.com

For Lab Use Only
 Lab No. 242088
 Accept Reject

Report Results (one box)
 QuanTEM Website
 Other_email _____

Contact Information
 Project Name: DNS
 Project Location: Milwaukee, WI
 Project ID: 14-200-042-3150
 PO Number: _____

Contact Information
 Company: Harenda Management Group
 Phone: (414) 383-4800
 Contact: Dean Jacobsen
 Cell Phone: _____
 Account #: B929
 E-mail: djacobsen@harenda.com
 SAMPLED BY: _____ Name: _____
 Date: _____

RELINQUISHED BY [Signature] **DATE & TIME** 10/6/14 1800 **VIA** FedEx **RECEIVED BY** Judy Rowson **DATE & TIME** 10/7/14 10:00

REQUESTED SERVICES (Please check the appropriate boxes)

PLM	PLM	TEM	TEM	TURNAROUND TIME
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Same Day
<input type="checkbox"/> 1000 Point Count	<input type="checkbox"/> PCM	<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input checked="" type="checkbox"/> 24 - Hour
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/> 3 - Day
<input type="checkbox"/> Particle ID		<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1		<input checked="" type="checkbox"/>			
2		<input type="checkbox"/>			
3		<input type="checkbox"/>			
4		<input type="checkbox"/>			
5		<input type="checkbox"/>			
6		<input type="checkbox"/>			
7		<input type="checkbox"/>			
8		<input type="checkbox"/>			
9		<input type="checkbox"/>			
10		<input checked="" type="checkbox"/>			



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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. _____	Accept <input type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Project Name: DNS	Project Location: Milwaukee, WI			
No.	Sample ID (10 Characters Max)	To Be Analyzed <input checked="" type="checkbox"/>	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	<input checked="" type="checkbox"/>				
12	12	<input type="checkbox"/>				
13	13	<input type="checkbox"/>				
14	14	<input type="checkbox"/>				
15	15	<input type="checkbox"/>				
16	16	<input type="checkbox"/>				
17	17	<input type="checkbox"/>				
18	18	<input type="checkbox"/>				
19	19	<input checked="" type="checkbox"/>				Do Not Test Mastic
20		<input type="checkbox"/>				
21		<input type="checkbox"/>				
22		<input type="checkbox"/>				
23		<input type="checkbox"/>				
24		<input type="checkbox"/>				
25		<input type="checkbox"/>				
26		<input type="checkbox"/>				
27		<input type="checkbox"/>				
28		<input type="checkbox"/>				
29		<input type="checkbox"/>				
30		<input type="checkbox"/>				



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 242238

Account Number: B929

Date Received: 10/08/2014

Received By: Sherrie Leftwich

Date Analyzed: 10/08/2014

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

Client: Harena Management Group

Dean Jacobsen

1237 West Bruce St.

Milwaukee, WI 53204

Project: PTCT for 242088, DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042-3150

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Light Gray Plaster	Asbestos Present Chrysotile 0.75 400 Point Count	NA	
002	11	Homogeneous	Light Gray Plaster	Asbestos Present Chrysotile 0.75 400 Point Count	NA	
003	12	Homogeneous	Light Gray Plaster	Asbestos Present Chrysotile 0.50 400 Point Count	NA	

Sandy Baker, Analyst

10/8/2014

Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



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For Lab Use Only
 Lab No. 242238
 Accept Reject
 Report Results (one box)
 QuanTEM Website
 Other email

Contact Information Company: Harenda Management Group Contact: Dean Jacobsen Account #: B929 SAMPLED BY: <u>[Signature]</u> Name: _____		Project Information Project Name: DNS Project Location: Milwaukee, WI Project ID: 14-200-042-3150 P.O. Number: _____	
Phone: (414) 383-4800	Cell Phone: _____	E-mail: djacobsen@harenda.com	Date: _____

RELINQUISHED BY: <u>[Signature]</u>	DATE & TIME: 10/8/14 13:10	VIA: Email	RECEIVED BY: <u>[Signature]</u>	DATE & TIME: 10/8/14 1:10
-------------------------------------	----------------------------	------------	---------------------------------	---------------------------

REQUESTED SERVICES (Please the Appropriate Boxes)

PLM	PLM	PLM	TEM	TEM	TEM	TURNAROUND TIME
<input type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air-AHERA	<input type="checkbox"/> Bulk-Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Bulk-Quantitative (weight%) - Chatfield	<input type="checkbox"/> Rush	<input type="checkbox"/>
<input checked="" type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air-NIOSH 7402	<input type="checkbox"/> Bulk-Quantitative (weight%) - Chatfield	<input type="checkbox"/> Dust-Presence / Absence	<input type="checkbox"/> Same Day	<input type="checkbox"/>
<input type="checkbox"/> 1000 Point Count	<input type="checkbox"/> PCM	<input type="checkbox"/> Air-ISO 10312	<input type="checkbox"/> Dust-Presence / Absence	<input type="checkbox"/> Dust-Quantitative (fibers/sq.cm) - ASTM D5755	<input checked="" type="checkbox"/> 24-Hour	<input type="checkbox"/>
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Other	<input type="checkbox"/>	<input type="checkbox"/> 3-Day	<input type="checkbox"/>
<input type="checkbox"/> Particle ID		<input type="checkbox"/> Waste Water- EPA 600/4-83-043			<input type="checkbox"/> 5-Day	<input type="checkbox"/>

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1	1	<input checked="" type="checkbox"/>	light gray plaster		Quantem Lab #242088
2	11	<input checked="" type="checkbox"/>	light gray plaster		
3	12	<input checked="" type="checkbox"/>	light gray plaster		
4		<input type="checkbox"/>			
5		<input type="checkbox"/>			
6		<input type="checkbox"/>			
7		<input type="checkbox"/>			
8		<input type="checkbox"/>			
9		<input type="checkbox"/>			
10		<input type="checkbox"/>			

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

is certified under ch. HFS 159, Wis. Adm. Code as a

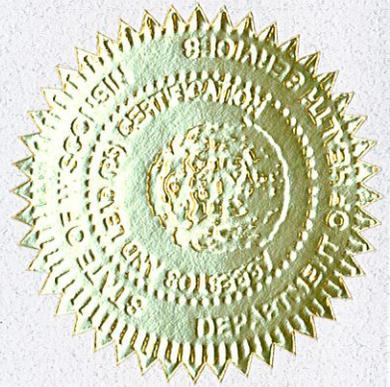
Asbestos Company - Primary

Certificate Issue Date: 09/11/2013
Expiration Date: 08/31/2015, 12:01 a.m.
Certification #: CAP-480540

Wisconsin Department of Health Services
Division of Public Health
Bureau of Environmental and Occupational Health
Asbestos & Lead Section
PO Box 2659
Madison WI 53701-2659
Phone: (608) 261-6876



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN
Dept. of Health Services

Eric Duane Christon
10908 W Langlade St
Milwaukee WI 53225-1319

		275 lbs	6' 01"
All-12823	Exp: 03/19/2015	11/16/1969	Male

Training due by: 03/19/2015

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**One Family Dwelling
1422 West Concordia Avenue
Milwaukee, Wisconsin**

For:

City of Milwaukee
Department of Neighborhood Services
Attn: Marge Piwaron
841 North Broadway 1st Floor
Milwaukee, Wisconsin 53202-3613

**HMG Report No.: 14-200-042.1422
Contract No.: 360-14-0745**

A handwritten signature in black ink, appearing to read 'Dean Jacobsen', is written over a horizontal line.

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

December 2014

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 1422 West Concordia Avenue, Milwaukee, Wisconsin.

The inspection included plaster, texture, paper insulation, tar paper, laminate flooring, linoleum, window glazing compound, flue packing, drywall/joint compound, ceramic tile, duct paper, and fuse holder to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M*.

II. BUILDING SURVEY

Marge Piwaron, of the City of Milwaukee Department of Neighborhood Services, authorized HMG to conduct a building survey and to analyze samples taken during the inspection.

On December 9, 2014 HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 1422 West Concordia Avenue, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building. Category I non-friable materials were assumed to be asbestos containing and not sampled.
2. Sampling and documentation of observable suspect materials.
3. Quantification of observable positive materials existing within the spaces.

The results of the survey integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples taken are outlined in this document. If you have any questions please contact HMG at (414) 383-4800.

III. THE LABORATORY

A. METHOD OF ANALYSIS

Analysis is performed by using the bulk samples for visual observation and slide preparation(s) for microscopical examination and identification. The slides are analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining), morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents.

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, texture, paper insulation, tar paper, laminate flooring, linoleum, window glazing compound, flue packing, drywall/joint compound, ceramic tile, duct paper, and fuse holder. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – south wall under aluminum siding – paper insulation	Negative	N/A	MPI
2	Exterior – east wall under aluminum siding – paper insulation	Negative	N/A	MPI
3	Exterior – north wall under aluminum siding – paper insulation	Negative	N/A	MPI
4	Exterior – south wall under wood siding – tar paper	Negative	N/A	MPT
5	Exterior – east wall under wood siding – tar paper	Negative	N/A	MPT
6	Exterior – north wall under wood siding – tar paper	Negative	N/A	MPT
7	1 st floor – dining room – south window – glazing compound	Negative	N/A	MPG
8	2nd floor – hall – west window – glazing compound	Positive 4% Chrysotile	28 Windows	MPG
9	Basement – east window – glazing compound	Positive 3% Chrysotile	Reference Sample 7	MPG
10	1 st floor – dining room – south side – laminate flooring	Negative	N/A	MLF
11	1 st floor – dining room – north side – laminate flooring	Negative	N/A	MLF
12	1 st floor – living room – south side – laminate flooring	Negative	N/A	MLF
13	1st floor - hall – under 3 layers floor tile – beige and brown linoleum	Positive 30% Chrysotile	180 Sq. Ft.	MFLen
14	1st floor – kitchen – under 3 layers floor tile – beige and brown linoleum	Positive 30% Chrysotile	Reference Sample 13	MFLen
15	Basement – stair landing – beige and brown linoleum	Positive 30% Chrysotile	Reference Sample 13	MFLen
16a	2 nd floor – hall – cream and brown linoleum	Negative	N/A	MFLcn
16b	2 nd floor – hall – under linoleum – mastic	Negative	N/A	MFLcn
17a	2 nd floor – south bedroom – north side – yellow and cream linoleum	Negative	N/A	MFLlc
17b	2 nd floor – south bedroom – north side – under linoleum – mastic	Negative	N/A	MFLlc

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
18a	2 nd floor – south bedroom – south side – yellow and cream linoleum	Negative	N/A	MFLlc
18b	2 nd floor – south bedroom – south side – under linoleum – mastic	Negative	N/A	MFLlc
19	2nd floor – east bedroom – yellow and white linoleum	Positive 30% Chrysotile	180 Sq. Ft.	MFLlw
20	1 st floor – dining room – east wall – texture	Negative	N/A	STX
21	1 st floor – living room – ceiling – texture	Negative	N/A	STX
22	1 st floor – living room – west wall – texture	Negative	N/A	STX
23	2 nd floor – east bedroom – west wall – plaster	Negative	N/A	SPI
24a	2 nd floor – south bedroom – east wall – plaster skim coat	Negative	N/A	SPI
24b	2 nd floor – south bedroom – east wall – plaster base coat	Negative	N/A	SPI
25	1 st floor – south bedroom – south wall – plaster	Negative	N/A	SPI
26a	1 st floor – stair – south wall – plaster skim coat	Negative	N/A	SPI
26b	1 st floor – stair – south wall – plaster base coat	Negative	N/A	SPI
27	1 st floor – north bedroom – north wall – plaster	Negative	N/A	SPI
28	1 st floor – kitchen – ceiling – texture	Negative	N/A	STX
29	1 st floor – kitchen – south wall– texture	Negative	N/A	STX
30	1 st floor – kitchen – north wall – texture	Negative	N/A	STX
31a	Basement – on chimney – flue packing top layer	Negative	N/A	TFP
31b	Basement – on chimney – flue packing bottom layer	Negative	N/A	TFP
32a	2 nd floor – east bedroom – ceiling – texture #3 top layer	Negative	N/A	STX3
32b	2 nd floor – east bedroom – ceiling – texture #3 bottom layer	Negative	N/A	STX3
33a	2 nd floor – east bedroom – ceiling – texture #3 top layer	Negative	N/A	STX3
33b	2 nd floor – east bedroom – ceiling – texture #3 bottom layer	Negative	N/A	STX3
34	2 nd floor – east bedroom – ceiling – texture #3	Negative	N/A	STX3
35	1 st floor – dining room – north wall – drywall	Negative	N/A	MDW
36	1 st floor – dining room – ceiling – drywall	Negative	N/A	MDW
37	Basement – stair – west wall – drywall	Negative	N/A	MDW
38a	1 st floor – bathroom – on wall – white and black ceramic tile	Negative	N/A	MCTMwk
38b	1 st floor – bathroom – on wall – grout	Negative	N/A	MCTMwk
38c	1 st floor – bathroom – on wall – under ceramic tile – mastic	Negative	N/A	MCTMwk
39a	Basement – stair – on steps – red linoleum	Negative	N/A	MFLr
39b	Basement – stair – on steps – under linoleum – mastic	Negative	N/A	MFLr
40	Basement – northeast room – on wood ceiling – duct paper See Note #4	Positive 60% Chrysotile	110 Sq. Ft.	TDW
41	Basement – south room – on return – duct paper	Positive 60% Chrysotile	Reference Sample 40	TDW
42	1st floor – north bedroom – on east wall duct – duct paper	Positive 60% Chrysotile	Reference Sample 40	TDW
43	Basement – east wall – plaster #2	Negative	N/A	SPI2

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
44	Basement – south wall – plaster #2	Negative	N/A	SPI2
45	Basement – west wall – plaster #2	Negative	N/A	SPI2
46	Basement – north wall – in fuse box – fuse holder	Negative	N/A	MFH

Notes: N/A = Not Applicable
 Sq. Ft. = Square Feet

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,000 Sq. Ft.
1 st	Bathroom/Hall/Kitchen	Floor Tile & Mastic	200 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STX	Texture
STX2	Texture #2
STX3	Texture #2
MPI	Paper Insulation
MPT	Tar Paper
MPG	Glazing Compound
MLF	Laminate Flooring
MFLen	Beige & Brown Linoleum
MFLlc	Yellow & Cream Linoleum
MFLlw	Yellow & White Linoleum
MFLr	Red Linoleum
MDW	Drywall
MCTMwk	White & Black Ceramic Tile
MFH	Fuse Holder
TFP	Flue Packing
TDW	Duct Paper

Note#1: Category I – Non-Friable Asbestos Containing Materials may become friable during mechanical demolition activities or maybe considered friable prior to demolition activities due to its current condition.

Note#2: If additional materials are discovered during demolition that are not listed above they are to be assumed to be asbestos containing.

Note#3: A copy of this report should be transmitted to the demolition contractor.

Note#4: Duct paper observed on 1st floor ducts behind grills, basement boots and returns, and basement northeast room ceiling. Additional duct paper may be within walls and ceilings.

V. EXCLUSIONS

2nd floor rooms covered with furniture and clothing – floors only partially accessible. Basement floor covered with clothing and debris. No visible or accessible areas were excluded from the scope of work.

HMG is not and shall not represent the building owner as its agent or representative for the purpose of the US EPA/NESHAP and/or the WDNR/NR447 regulations, as owner/operator.

This report represents the condition of the building and its visible/accessible suspect asbestos containing materials at the date and the times of the onsite inspection. Hidden materials or those materials that could be present at the point of inspection, over and above those stated in the inspection report, are the responsibility of the building owner and the demolition contractor.

VI. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our Polarized Light Microscopy, unless otherwise specified by the client. The findings and conclusions of HMG represent our professional opinions extrapolated from limited data. Significant limited data is gathered during the course of the preliminary asbestos specific site assessment. No other warranty is expressed or implied. Prior to any abatement or renovation activities, it is recommended that HMG be provided the opportunity to review such plans in order that the inspection and assessments contained herein are properly interpreted and implemented.

This report and the information contained herein are prepared for the sole and exclusive use and possession of the City of Milwaukee Department of Neighborhood Services. No other person or entity may rely on this report or any information contained herein. Any dissemination of the Report or any information contained herein is strictly prohibited without prior written authorization from Harenda Management Group.

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

This guide lists materials and products commonly found in buildings with examples. It is not intended as a substitute for reading the rules and statutes and making your own independent determination of their applicability to your demolition project. These examples presented here do not represent an exhaustive listing of types of materials that may be required to be removed from the building prior to demolition.

ASBESTOS

Persons conducting inspections for asbestos must hold a valid asbestos inspector certification card issued by the State of Wisconsin, Dept. of Health Services. **Please follow the Asbestos Inspection and Sampling Protocol for Buildings to be Demolished or Renovated.**

CFCs and HALONS

Equipment that may contain CFCs and Halons:

<u>N/A</u>	Air Conditioners (roof top, room, and central)
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>N/A</u>	Refrigerators, Freezers, Chillers
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>N/A</u>	Fire Extinguishers (both portable and installed HALON suppression systems)
<u>N/A</u>	Water Coolers

LEAD

Lead or Lead Based Paint (LBP) is common in many older buildings. When recycling construction and demolition debris, be aware that wood containing lead paint may not be chipped and spread for landscaping. State law also prohibits the sale or transfer of any fixture or other object containing LBP that might be placed upon any surface of a dwelling, which is ordinarily accessible to children.

MERCURY

Products that may contain mercury:

LIGHTING

<u>N/A</u>	Fluorescent Lights
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

HVAC

Check thermostats and any control associated with air handling units for switches containing mercury.

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

<u>N/A</u>	Old Thermostats
<u>N/A</u>	Aquastats
<u>N/A</u>	Firestats
<u>N/A</u>	Manometers
<u>N/A</u>	Thermometers

BOILERS, FURNACES, HEATERS AND TANKS

<u>N/A</u>	Mercury Flame Sensors by pilot lights
<u>N/A</u>	Manometers, Thermometers, Gauges
<u>N/A</u>	Pressure-trol
<u>N/A</u>	Float or Level Controls
<u>N/A</u>	Space Heaters

ELECTRICAL SYSTEMS – 1 Electric Meter on Exterior

<u> N/A </u>	Load Meters and Supply Relays
<u> N/A </u>	Phase Splitters
<u> N/A </u>	Microwave Relays
<u> N/A </u>	Mercury Displacement Relays

PCBs

For electrical devices manufactured prior to 1987, it is safe to assume that they contain PCBs and should be managed accordingly. Most equipment manufactured after this time will say "PCB Free". The following is a list of areas in a building where PCBs may be found:

<u> N/A </u>	Transformers
<u> N/A </u>	Capacitors (appliances, electronic equipment)
<u> N/A </u>	Heat Transfer Equipment
<u> N/A </u>	Light Ballasts
<u> N/A </u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u> N/A </u>	Sumps or Oil Traps (in maintenance and industrial facilities)

OTHER ENVIRONMENTAL ISSUES

<u> N/A </u>	Hazardous Waste
<u> N/A </u>	Oil Tanks
<u> N/A </u>	Well Abandonment
<u> N/A </u>	Junk Auto Tires
<u> N/A </u>	Junk Vehicles

* 1 Gas Meter on Exterior

VIII. LABORATORY RESULTS



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2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 244605	Client: Harendra Management Group
Account Number: B929	Dean Jacobsen
Date Received: 12/10/2014	1237 West Bruce St.
Received By: Patrick Mlekush	Milwaukee, WI 53204
Date Analyzed: 12/10/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042-1422

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Brown/Silver Tape	Asbestos Not Present	Cellulose 50	Foil
002	2	Homogeneous	Brown/Silver Tape	Asbestos Not Present	Cellulose 50	Foil
003	3	Homogeneous	Brown/Silver Tape	Asbestos Not Present	Cellulose 50	Foil
004	4	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
005	5	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
006	6	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
007	7	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3

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Date Received:	12/10/2014		1237 West Bruce St.
Received By:	Patrick Mlekush		Milwaukee, WI 53204
Date Analyzed:	12/10/2014	Project:	DNS
Analyzed By:	Gayle Ooten	Project Location:	Milwaukee, WI
Methodology:	EPA/600/R-93/116	Project Number:	14-200-042-1422

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Beige Window Glazing	Asbestos Present Chrysotile 4	NA	CaCO3
009	9	Homogeneous	White Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3
010	10	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
011	11	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
012	12	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
013	13	Homogeneous	Yellow Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl
014	14	Homogeneous	Yellow Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl

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Analyzed By:	Gayle Ooten	Project Location:	Milwaukee, WI
Methodology:	EPA/600/R-93/116	Project Number:	14-200-042-1422

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	15	Homogeneous	Yellow Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl
016	16	Layered	White/Green Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
016a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
017	17	Layered	Beige/Yellow Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
017a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
018	18	Layered	Beige/Yellow Sheet Vinyl	Asbestos Not Present	Cellulose 30	Vinyl
018a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue

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Analyzed By:	Gayle Ooten	Project Location:	Milwaukee, WI
Methodology:	EPA/600/R-93/116	Project Number:	14-200-042-1422

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019	19	Homogeneous	Tan Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl
020	20	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
021	21	Homogeneous	Cream Texture	Asbestos Not Present	NA	CaCO3 Paint
022	22	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
023	23	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
024	24	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
024a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3

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Methodology: EPA/600/R-93/116	Project Number: 14-200-042-1422

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
025	25	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
026	26	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
026a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
027	27	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Gypsum
028	28	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
029	29	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
030	30	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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Methodology: EPA/600/R-93/116	Project Number: 14-200-042-1422

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
030a		Layered	Yellow Skim Coat	Asbestos Not Present	NA	CaCO3
031	31	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
031a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
032	32	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
032a		Layered	Brown Skim Coat	Asbestos Not Present	NA	CaCO3
033	33	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
033a		Layered	Brown Skim Coat	Asbestos Not Present	NA	CaCO3

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Methodology:	EPA/600/R-93/116	Project Number:	14-200-042-1422

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
034	34	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
035	35	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
036	36	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
037	37	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
038	38	Layered	Black Ceramic Tile	Asbestos Not Present	NA	Clay
038a		Layered	White Grout	Asbestos Not Present	NA	CaCO3
038b		Layered	Gray Mastic	Asbestos Not Present	NA	Glue

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Methodology:	EPA/600/R-93/116	Project Number:	14-200-042-1422

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038c		Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
039	39	Layered	Tan Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar
039a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
040	40	Homogeneous	White Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
041	41	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
042	42	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 40	Binder
043	43	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042-1422

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
044	44	Homogeneous	Tan Plaster	Asbestos Not Present	NA	Quartz CaCO3
045	45	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
046	46	Homogeneous	Gray Ceramic Tile	Asbestos Not Present	NA	Clay

Gayle Ooten, Analyst

12/10/2014

Date of Report

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ASBESTOS CHAIN OF CUSTODY

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 244605
 Accept Reject

Report Results (one box)
 QuantEM Website
 Other email _____

Project Information
 Project Name: DNS
 Project Location: Milwaukee, WI
 Project ID: 14-200-042-1422
 P.O. Number: _____

Contact Information
 Company: Harenda Management Group Phone: (414) 383-4800
 Contact: Dean Jacobsen Cell Phone: _____
 Account #: B929 E-mail: djacobsen@harenda.com
 SAMPLED BY: Name: _____ Date: _____

RELINQUISHED BY: [Signature] DATE & TIME: 12/9/14 1700 VIA: FedEx RECEIVED BY: [Signature] DATE & TIME: 12/10 1000

REQUESTED SERVICES (Please the Appropriate Boxes)

	PLM	PLM	TEM		TEM	TURNAROUND TIME
			Air- AHERA	Air- NIOSH 7402		
<input checked="" type="checkbox"/>	Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Rush				
<input type="checkbox"/>	400 Point Count	<input type="checkbox"/> Same Day				
<input type="checkbox"/>	1000 Point Count	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> 24 - Hour
<input type="checkbox"/>	Gravimetric Preparation	<input type="checkbox"/> 3 - Day				
<input type="checkbox"/>	Particle ID	<input type="checkbox"/> 5 - Day				

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1		<input checked="" type="checkbox"/>			
2		<input type="checkbox"/>			
3		<input type="checkbox"/>			
4		<input type="checkbox"/>			
5		<input type="checkbox"/>			
6		<input type="checkbox"/>			
7		<input type="checkbox"/>			
8		<input type="checkbox"/>			
9		<input type="checkbox"/>			
10		<input checked="" type="checkbox"/>			



ASBESTOS CHAIN OF CUSTODY

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. <u>244605</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

Project Information		Project Name: DNS		Project Location: Milwaukee, WI	
Company: Harenda Management Group		Color		Volume / Area (as applicable)	
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
11	11	<input checked="" type="checkbox"/>			
12	12	<input type="checkbox"/>			
13	13	<input type="checkbox"/>			
14	14	<input type="checkbox"/>			
15	15	<input type="checkbox"/>			
16	16	<input type="checkbox"/>			
17	17	<input type="checkbox"/>			
18	18	<input type="checkbox"/>			
19	19	<input type="checkbox"/>			
20	20	<input type="checkbox"/>			
21	21	<input type="checkbox"/>			
22	22	<input type="checkbox"/>			
23	23	<input type="checkbox"/>			
24	24	<input type="checkbox"/>			
25	25	<input type="checkbox"/>			
26	26	<input type="checkbox"/>			
27	27	<input type="checkbox"/>			
28	28	<input type="checkbox"/>			
29	29	<input type="checkbox"/>			
30	30	<input type="checkbox"/>			



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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. <u>244605</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI			
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	31	<input checked="" type="checkbox"/>				
32	32	<input type="checkbox"/>				
33	33	<input type="checkbox"/>				
34	34	<input type="checkbox"/>				
35	35	<input type="checkbox"/>				
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46	46	<input checked="" type="checkbox"/>				
47		<input type="checkbox"/>				
48		<input type="checkbox"/>				
49		<input type="checkbox"/>				
50		<input type="checkbox"/>				

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

is certified under ch. HFS 159, Wis. Adm. Code as a

Asbestos Company - Primary

Certificate Issue Date: 09/11/2013
Expiration Date: 08/31/2015, 12:01 a.m.
Certification #: CAP-480540

Wisconsin Department of Health Services
Division of Public Health
Bureau of Environmental and Occupational Health
Asbestos & Lead Section
PO Box 2659
Madison WI 53701-2659
Phone: (608) 261-6876



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor



14-180

Cert. No.

Certificate of Completion

Dean T. Jacobsen



Has completed and satisfactorily passed an examination covering the contents of the course title listed below.

This training course complies with the requirements of TSCA Title D and is accredited by the State of Wisconsin Department of Health Services under ch. DHS 159 Wis. Adm. Code.

Course: Refresher Asbestos Inspector

S.A. Herbst & Associates

1237 West Bruce Street * Milwaukee, WI 53204 * (414) 727-7900

Class Location: 1237 W. Bruce Street, Milwaukee WI 53204

Kenneth A. Harendra JD

Instructor/Trainer Name

A handwritten signature in blue ink, appearing to read 'K.A. Harendra'.

Signature

November 21, 2014

Examination Date

Course Date: 11/21/14

Certificate Issued: November 21, 2014

November 21, 2015

Expiration Date



ASBESTOS INSPECTION REPORT

Job Site:

**Fire Damaged
Two Family Dwelling
1219-21 West Maple Street
Milwaukee, Wisconsin**

For:

City of Milwaukee
Department of Neighborhood Services
Attn: Marge Piwaron
841 North Broadway 1st Floor
Milwaukee, Wisconsin 53202-3613

**HMG Report No.: 15-400-004.1219
Contract No.: 360-15-0745**

A handwritten signature in black ink, appearing to read 'Dean Jacobsen', is written over a horizontal line.

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

March 2015

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 1219-21 West Maple Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, drywall/joint compound, linoleum, window glazing compound, ceramic tile, ceiling tile, and asphalt shingle siding to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M and NR 447 of the Wisconsin Administrative Code*.

II. BUILDING SURVEY

Marge Piwaron, of the City of Milwaukee Department of Neighborhood Services, authorized HMG to conduct a building survey and to analyze samples taken during the inspection.

On March 6, 2015, HMG conducted an asbestos inspection of a two family dwelling and garage, scheduled for mechanical demolition, located at 1219-21 West Maple Street, Milwaukee, Wisconsin. The inspection was conducted by Craig Dekutowski, Wisconsin License No. AII – 500.

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building.
2. Sampling and documentation of observable suspect materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive materials existing within the spaces.

The results of the survey integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples taken are outlined in this document. If you have any questions please contact HMG at (414) 383-4800.

III. THE LABORATORY

A. METHOD OF ANALYSIS

Analysis is performed by using the bulk samples for visual observation and slide preparation(s) for microscopical examination and identification. The slides are analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining), morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents.

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk

sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, texture, drywall/joint compound, linoleum, window glazing compound, ceramic tile, ceiling tile, and asphalt shingle siding. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1a	2 nd floor – stair – south wall – plaster skim coat	Negative	SPI
1b	2 nd floor – stair – south wall – plaster base coat	Negative	SPI
2a	1 st floor – east bedroom – ceiling – plaster skim coat	Negative	SPI
2b	1 st floor – east bedroom – ceiling – plaster base coat	Negative	SPI
3a	1 st floor – bathroom – ceiling – plaster skim coat	Negative	SPI
3b	1 st floor – bathroom – ceiling – plaster base coat	Negative	SPI
4a	1 st floor – west bedroom – west wall – plaster skim coat	Negative	SPI
4b	1 st floor – west bedroom – west wall – plaster base coat	Negative	SPI
5	1 st floor – north bedroom – ceiling – plaster	Negative	SPI
6	1 st floor – kitchen – east wall – plaster	Negative	SPI
7a	1 st floor – kitchen – north wall – plaster skim coat	Negative	SPI
7b	1 st floor – kitchen – north wall – plaster base coat	Negative	SPI
8	2 nd floor – front room – east wall – drywall	Negative	MDW
9a	2 nd floor – northwest bedroom – south wall – joint compound	Negative	MDW
9b	2 nd floor – northwest bedroom – south wall – drywall	Negative	MDW
10a	2 nd floor – kitchen – east wall – joint compound	Negative	MDW
10b	2 nd floor – kitchen – east wall – joint compound layer 2	Negative	MDW
10c	2 nd floor – kitchen – east wall – drywall	Negative	MDW
11a	2 nd floor – kitchen – under floor tile and plywood – white linoleum	Negative	MFLw
11b	2 nd floor – kitchen – under white linoleum – mastic	Negative	MFLw
12a	2 nd floor – bathroom – white linoleum	Negative	MFLw
12b	2 nd floor – bathroom – under white linoleum – mastic	Negative	MFLw
13a	2 nd floor – dining room – white linoleum	Negative	MFLw
13b	2 nd floor – dining room – under white linoleum – mastic	Negative	MFLw
14	2 nd floor – west bedroom – on window – glazing compound	Negative	MPG
15	1 st floor – west bedroom – on window – glazing compound	Negative	MPG
16	1 st floor – kitchen – on window – glazing compound	Negative	MPG
17	2 nd floor – front room – on north wall – texture	Negative	STX
18	2 nd floor – dining room – on east wall – texture	Negative	STX
19	2 nd floor – kitchen – on south wall – texture	Negative	STX

Sample #	Location and Description	Results	Homogeneous Code
20	1 st floor – kitchen – on north wall – texture #2	Negative	STX2
21	1 st floor – kitchen – on south wall – texture #2	Negative	STX2
22	1 st floor – stair – on ceiling – texture #2	Negative	STX2
23	2 nd floor – bathroom – on south wall – texture #3	Negative	STX3
24	2 nd floor – dining room – under floor tile – green linoleum	Negative	MFLg
25	2 nd floor – west bedroom – east side under floor tile – green linoleum	Negative	MFLg
26	2 nd floor – west bedroom – north side under floor tile – green linoleum	Negative	MFLg
27a	2 nd floor – bathroom – on west wall – white ceramic tile	Negative	MCTMw
27b	2 nd floor – bathroom – on west wall – under ceramic tile – mastic	Negative	MCTMw
28a	2 nd floor – kitchen – 5 th layer center – yellow linoleum	Negative	MFLI
28b	2 nd floor – kitchen – 5 th layer center – under yellow linoleum – mastic	Negative	MFLI
29a	2 nd floor – kitchen – 5 th layer east side – yellow linoleum	Negative	MFLI
29b	2 nd floor – kitchen – 5 th layer east side – under yellow linoleum – mastic	Negative	MFLI
30a	2 nd floor – kitchen – 5 th layer west side – yellow linoleum	Negative	MFLI
30b	2 nd floor – kitchen – 5 th layer west side – under yellow linoleum – mastic	Negative	MFLI
31	2nd floor – kitchen – 7th layer center – gold linoleum	Positive 30% Chrysotile	MFLd
32	2nd floor – kitchen – 7th layer east side – gold linoleum	Positive 30% Chrysotile	MFLd
33	2nd floor – kitchen – 7th layer west side – gold linoleum	Positive 30% Chrysotile	MFLd
34	1 st floor – east bedroom – 2' x 4' pinholed ceiling tile	Negative	MSCT24P
35	1 st floor – west bedroom center – 2' x 4' pinholed ceiling tile	Negative	MSCT24P
36	1 st floor – west bedroom near door – 2' x 4' pinholed ceiling tile	Negative	MSCT24P
37	1 st floor – kitchen – north side – 2' x 4' grooved ceiling tile	Negative	MSCT24G
38	1 st floor – kitchen – center – 2' x 4' grooved ceiling tile	Negative	MSCT24G
39	1 st floor – kitchen – south side – 2' x 4' grooved ceiling tile	Negative	MSCT24G
40a	1 st floor – bathroom – on west wall – gray ceramic tile	Negative	MCTMy
40b	1 st floor – bathroom – on west wall – under ceramic tile – mastic	Negative	MCTMy
40c	1 st floor – bathroom – on west wall – under mastic - leveling compound	Negative	MCTMy
41	Exterior – east wall – asphalt shingle siding	Negative	MSS
42	Exterior – south wall – asphalt shingle siding	Negative	MSS
43	Exterior – north wall – asphalt shingle siding	Negative	MSS
44	Basement – on chimney – flue packing	Positive 5% Chrysotile	TFP

Sample #	Location and Description	Results	Homogeneous Code
45	Basement – east side at ceiling - <5” diameter aircell pipe insulation	Positive 85% Chrysotile	TA5

The following materials sampled were found to contain more than 1% asbestos:

Material	Homogeneous Code	Location	Approximate Quantity
Gold Linoleum	MFLd	2 nd Floor Kitchen 7 th Layer	190 Sq. Ft.
Aircell Pipe Insulation	TA5	Basement – East Side & at South Wall	15 Ln. Ft. & 2 Fittings
Flue Packing	TFP	Basement on Chimney	1 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	850 Sq. Ft.
Roof	Garage	Asphalt Shingles & Flashing	400 Sq. Ft.
Basement	Basement	Floor Tile & Mastic	350 Sq. Ft.
1 st	All Rooms	Floor Tile & Mastic	700 Sq. Ft.
2 nd	Front Room/Kitchen/ Bedrooms/Dining Room	Floor Tile & Mastic	1,200 Sq. Ft.

Homogeneous Material Codes

- SPI Plaster
- STX Texture
- STX2 Texture #2
- STX3 Texture #3
- MDW Drywall/Joint Compound
- MFLw White Linoleum
- MFLg Green Linoleum
- MFLI Yellow Linoleum
- MFLd Gold Linoleum
- MCTMw White Ceramic Tile
- MCTMy Gray Ceramic Tile
- MSCT24P 2’ x 4’ Pinholed Ceiling Tile
- MSCT24G 2’ x 4’ Grooved Ceiling Tile
- MPG Glazing Compound
- MSS Asphalt Shingle Siding
- TA5 <5” Diameter Aircell Pipe Insulation
- TFP Flue Packing

Note#1: The gold linoleum, aircell and fittings, and flue packing are friable and category II non-friable materials and must be abated by a Wisconsin certified asbestos company prior to demolition. Asphalt roofing and floor tile/mastic are category I non friable materials and may remain on the buildings if the demolition debris will be disposed at a Wisconsin licensed landfill.

Note#2: Category I – Non-Friable Asbestos Containing Materials may become friable during mechanical demolition activities or maybe considered friable prior to demolition activities due to its current condition.

Note#3: If additional materials are discovered during demolition that are not listed above they are to be assumed to be asbestos containing.

Note#4: A copy of this report should be transmitted to the demolition contractor.

Note#5: Additional aircell and fittings may be within walls and ceilings.

V. EXCLUSIONS

No access to attic. Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.

HMG is not and shall not represent the building owner as its agent or representative for the purpose of the US EPA/NESHAP and/or the WDNR/NR447 regulations, as owner/operator.

This report represents the condition of the building and its visible/accessible suspect asbestos containing materials at the date and the times of the onsite inspection. Hidden materials or those materials that could be present at the point of inspection, over and above those stated in the inspection report, are the responsibility of the building owner and the demolition contractor.

VI. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our Polarized Light Microscopy, unless otherwise specified by the client. The findings and conclusions of HMG represent our professional opinions extrapolated from limited data. Significant limited data is gathered during the course of the preliminary asbestos specific site assessment. No other warranty is expressed or implied. Prior to any abatement or renovation activities, it is recommended that HMG be provided the opportunity to review such plans in order that the inspection and assessments contained herein are properly interpreted and implemented.

This report and the information contained herein are prepared for the sole and exclusive use and possession of the City of Milwaukee Department of Neighborhood Services. No other person or entity may rely on this report or any information contained herein. Any dissemination of the Report or any information contained herein is strictly prohibited without prior written authorization from Harenda Management Group.

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

This guide lists materials and products commonly found in buildings with examples. It is not intended as a substitute for reading the rules and statutes and making your own independent determination of their applicability to your demolition project. These examples presented here do not represent an exhaustive listing of types of materials that may be required to be removed from the building prior to demolition.

ASBESTOS

Persons conducting inspections for asbestos must hold a valid asbestos inspector certification card issued by the State of Wisconsin, Dept. of Health Services. **Please follow the Asbestos Inspection and Sampling Protocol for Buildings to be Demolished or Renovated.**

CFCs and HALONS

Equipment that may contain CFCs and Halons:

<u>N/A</u>	Air Conditioners (roof top, room, and central)
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>1</u>	Refrigerators , Freezers, Chillers – Basement
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>1</u>	Fire Extinguishers (both portable and installed HALON suppression systems) – Basement
<u>N/A</u>	Water Coolers

LEAD

Lead or Lead Based Paint (LBP) is common in many older buildings. When recycling construction and demolition debris, be aware that wood containing lead paint may not be chipped and spread for landscaping. State law also prohibits the sale or transfer of any fixture or other object containing LBP that might be placed upon any surface of a dwelling, which is ordinarily accessible to children.

MERCURY

Products that may contain mercury:

LIGHTING

<u>3</u>	Fluorescent Lights – Garage
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

HVAC

Check thermostats and any control associated with air handling units for switches containing mercury.

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

<u>N/A</u>	Old Thermostats
<u>N/A</u>	Aquastats
<u>N/A</u>	Firestats
<u>N/A</u>	Manometers
<u>N/A</u>	Thermometers

BOILERS, FURNACES, HEATERS AND TANKS – 2 Furnaces & 1 Water Heater in Basement

<u>N/A</u>	Mercury Flame Sensors by pilot lights
<u>N/A</u>	Manometers, Thermometers, Gauges
<u>N/A</u>	Pressure-trol
<u>N/A</u>	Float or Level Controls
<u>N/A</u>	Space Heaters

ELECTRICAL SYSTEMS – 1 Breaker Box in Basement

<u>N/A</u>	Load Meters and Supply Relays
<u>N/A</u>	Phase Splitters
<u>N/A</u>	Microwave Relays
<u>N/A</u>	Mercury Displacement Relays

PCBs

For electrical devices manufactured prior to 1987, it is safe to assume that they contain PCBs and should be managed accordingly. Most equipment manufactured after this time will say "PCB Free". The following is a list of areas in a building where PCBs may be found:

<u>N/A</u>	Transformers
<u>N/A</u>	Capacitors (appliances, electronic equipment)
<u>N/A</u>	Heat Transfer Equipment
<u>2</u>	Light Ballasts – Garage
<u>N/A</u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u>N/A</u>	Sumps or Oil Traps (in maintenance and industrial facilities)

OTHER ENVIRONMENTAL ISSUES

<u>N/A</u>	Hazardous Waste
<u>N/A</u>	Oil Tanks
<u>N/A</u>	Well Abandonment
<u>N/A</u>	Junk Auto Tires
<u>N/A</u>	Junk Vehicles

* 5 Gallons Used Oil, 5 Gallons Motor Oil, 1 Gallon Antifreeze, & 1 Gallon Paint in Garage

VIII. LABORATORY RESULTS



2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 247318	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/09/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/12/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.1219

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Layered	White Skim Coat	Asbestos Not Present	Talc	2 Quartz CaCO3 Paint
001a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Gypsum
002	2	Layered	White Skim Coat	Asbestos Not Present	Talc	2 Quartz CaCO3 Paint
002a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Gypsum
003	3	Layered	White Skim Coat	Asbestos Not Present	Talc	2 Quartz CaCO3 Paint
003a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Gypsum

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuantEM is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
004	4	Layered	White Skim Coat	Asbestos Not Present	Talc	2 Quartz CaCO3 Paint
004a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Gypsum
005	5	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Gypsum
006	6	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Gypsum
007	7	Layered	White Skim Coat	Asbestos Not Present	Talc	2 Quartz CaCO3 Paint
007a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Gypsum
008	8	Homogeneous	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
009	9	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
009a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
010	10	Layered	Gray Texture	Asbestos Not Present	NA	CaCO3 Gypsum Paint
010a		Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
010b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Vinyl
011	11	Layered	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.1219

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
011a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue
012	12	Layered	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
012a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
013	13	Layered	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
013a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
014	14	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
015	15	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016	16	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
017	17	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
018	18	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
019	19	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
020	20	Homogeneous	Tan Texture	Asbestos Not Present	Wollastonite Talc	<1 5 Gypsum Paint
021	21	Homogeneous	Tan Texture	Asbestos Not Present	Cellulose Wollastonite Talc	<1 <1 5 Gypsum Paint

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
022	22	Homogeneous	Tan Texture	Asbestos Not Present	Cellulose <1 Wollastonite <1 Talc 5	Gypsum Paint
023	23	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
024	24	Homogeneous	Green Linoleum	Asbestos Not Present	Cellulose 25	Tar
025	25	Homogeneous	Green Linoleum	Asbestos Not Present	Cellulose 25	Tar
026	26	Homogeneous	Green Linoleum	Asbestos Not Present	Cellulose 25	Tar
027	27	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
027a		Layered	Beige Mastic	Asbestos Not Present	NA	Glue CaCO3

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 247318	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/09/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/12/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.1219

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
028	28	Layered	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
028a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
029	29	Layered	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
029a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
030	30	Layered	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
030a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 247318	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
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Date Analyzed: 03/12/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.1219

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
031	31	Homogeneous	Yellow Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl
032	32	Homogeneous	Yellow Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl
033	33	Homogeneous	Yellow Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl
034	34	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
035	35	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
036	36	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
037	37	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 247318	Client: Harenda Management Group
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Date Received: 03/09/2015	1237 West Bruce St.
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Date Analyzed: 03/12/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.1219

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
038	38	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
039	39	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
040	40	Layered	Gray/Brown Ceramic Tile	Asbestos Not Present	NA	Clay
040a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue CaCO3
040b		Layered	White Texture	Asbestos Not Present	NA	CaCO3
041	41	Homogeneous	Multi-Color Shingle	Asbestos Not Present	Glass Fiber 20	Quartz Tar

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 247318	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/09/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/12/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.1219

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
042	42	Homogeneous	Gray/Brown Siding	Asbestos Not Present	Cellulose 45	Quartz Tar
043	43	Homogeneous	Blue Siding	Asbestos Not Present	Cellulose 35	Quartz Tar Paint

Gayle Ooten, Analyst

3/12/2015

Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuantEM is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



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For Lab Use Only

Lab No. 247318

Accept Reject

Report Results one box

QuanTEM Website

Other email _____

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 15-400-004.1219	
SAMPLED BY: _____	Name: _____	P.O. Number: _____	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	3/6/15 1800	FedEx	<i>Judy Rowan</i>	3/9/15 10:15

REQUESTED SERVICES (Please the Appropriate Boxes)

PLM	PLM	TEM	TEM
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield
<input type="checkbox"/> 1000 Point Count	<input type="checkbox"/> PCM	<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence
<input type="checkbox"/> Gravimetric Preparation		<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1		<input checked="" type="checkbox"/>				
2		<input type="checkbox"/>				
3		<input type="checkbox"/>				
4		<input type="checkbox"/>				
5		<input type="checkbox"/>				
6		<input type="checkbox"/>				
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
10		<input checked="" type="checkbox"/>				



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For Lab Use Only
Lab No. <u>247318</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Project Name: DNS	Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	<input checked="" type="checkbox"/>			
12	12	<input type="checkbox"/>			
13	13	<input type="checkbox"/>			
14	14	<input type="checkbox"/>			
15	15	<input type="checkbox"/>			
16	16	<input type="checkbox"/>			
17	17	<input type="checkbox"/>			
18	18	<input type="checkbox"/>			
19	19	<input type="checkbox"/>			
20	20	<input type="checkbox"/>			
21	21	<input type="checkbox"/>			
22	22	<input type="checkbox"/>			
23	23	<input type="checkbox"/>			
24	24	<input type="checkbox"/>			
25	25	<input type="checkbox"/>			
26	26	<input type="checkbox"/>			
27	27	<input type="checkbox"/>			
28	28	<input type="checkbox"/>			
29	29	<input type="checkbox"/>			
30	30	<input checked="" type="checkbox"/>			



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Lab No. <u>247318</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Project Name: DNS	Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	Color	Description	Volume / Area (as applicable)	Comments / Notes
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					



2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 247711	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/19/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/19/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.1219

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	44	Homogeneous	White Window Glazing	Asbestos Present Chrysotile 5	Talc	3 CaCO3 Binder
002	45	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 85	Cellulose	10 Binder

Gayle Ooten, Analyst

3/19/2015

Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



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For Lab Use Only
 Lab No. 247711
 Accept Reject
 Report Results (one box)
 QuanTEM Website
 Other email _____

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 15-400-004.1219	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY: <i>[Signature]</i>	DATE & TIME: 3/18/15 1:00	VIA: FedEx	RECEIVED BY:	DATE & TIME:
-------------------------------------	---------------------------	------------	--------------	--------------

REQUESTED SERVICES (Please check the Appropriate Boxes)

	PLM		TEM		TEM		TURNAROUND TIME	
	<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air-AHERA	<input type="checkbox"/> Air-NIOSH 7402	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Rush	<input checked="" type="checkbox"/> Same Day
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air-ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/> 24 - Hour	<input type="checkbox"/> 3 - Day	<input type="checkbox"/> 5 - Day	
<input type="checkbox"/> 1000 Point Count		<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other				
<input type="checkbox"/> Gravimetric Preparation								
<input type="checkbox"/> Particle ID								

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	44	<input checked="" type="checkbox"/>				
2	45	<input checked="" type="checkbox"/>				
3		<input type="checkbox"/>				
4		<input type="checkbox"/>				
5		<input type="checkbox"/>				
6		<input type="checkbox"/>				
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
10		<input type="checkbox"/>				

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

is certified under ch. HFS 159, Wis. Adm. Code as a

Asbestos Company - Primary

Certificate Issue Date: 09/11/2013
Expiration Date: 08/31/2015, 12:01 a.m.
Certification #: CAP-480540

Wisconsin Department of Health Services
Division of Public Health
Bureau of Environmental and Occupational Health
Asbestos & Lead Section
PO Box 2659
Madison WI 53701-2659
Phone: (608) 261-6876



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor



ASBESTOS INSPECTOR
Issued By
STATE OF WISCONSIN
Dept. of Health Services

Craig Steven Dekutowski
5030 Hearthside Ln
Racine WI 53402-2154

		215 lbs	6' 00"
AII-500	Exp: 02/06/2016	11/09/1970	Male

Training due by: 02/06/2016

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**Fire Damaged
One Family Dwelling
3151 North Palmer Street
Milwaukee, Wisconsin**

For:

City of Milwaukee
Department of Neighborhood Services
Attn: Marge Piwaron
841 North Broadway 1st Floor
Milwaukee, Wisconsin 53202-3613

HMG Report No.: 15-400-004.3151

Contract No.: 360-15-0745

A handwritten signature in black ink, appearing to read 'Dean Jacobsen', is written over a horizontal line.

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

February 2015

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 3151 North Palmer Street, Milwaukee, Wisconsin.

The inspection included plaster, linoleum, ceiling tile, blown in insulation, flue packing, paper insulation, and window glazing compound to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M and NR 447 of the Wisconsin Administrative Code*.

II. BUILDING SURVEY

Marge Piwaron, of the City of Milwaukee Department of Neighborhood Services, authorized HMG to conduct a building survey and to analyze samples taken during the inspection.

On January 28, 2015, HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 3151 North Palmer Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building.
2. Sampling and documentation of observable suspect materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive materials existing within the spaces.

The results of the survey integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples taken are outlined in this document. If you have any questions please contact HMG at (414) 383-4800.

III. THE LABORATORY

A. METHOD OF ANALYSIS

Analysis is performed by using the bulk samples for visual observation and slide preparation(s) for microscopical examination and identification. The slides are analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining), morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents.

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk

sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, linoleum, ceiling tile, blown in insulation, flue packing, paper insulation, and window glazing compound. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1a	2 nd floor – northeast bedroom – east wall – plaster skim coat	Negative	N/A	SPI
1b	2 nd floor – northeast bedroom – east wall – plaster base coat	Negative	N/A	SPI
2a	2 nd floor – hall – west wall – plaster skim coat	Negative	N/A	SPI
2b	2 nd floor – hall – west wall – plaster base coat	Negative	N/A	SPI
3a	1 st floor – kitchen – ceiling – plaster skim coat	Negative	N/A	SPI
3b	1 st floor – kitchen – ceiling – plaster base coat	Negative	N/A	SPI
4a	1 st floor – front room – south wall – plaster skim coat	Negative	N/A	SPI
4b	1 st floor – front room – south wall – plaster base coat	Negative	N/A	SPI
5a	Basement – stair – east wall – plaster skim coat	Negative	N/A	SPI
5b	Basement – stair – east wall – plaster base coat	Negative	N/A	SPI
6	1 st floor – kitchen – top layer – tan and green linoleum	Negative	N/A	MFLtg
7a	1 st floor – back stair – on bottom landing – top layer – brown linoleum	Negative	N/A	MFLn
7b	1 st floor – back stair – on bottom landing – top layer – under linoleum – mastic	Negative	N/A	MFLn
8	1 st floor – back stair – on top landing – top layer – tan linoleum	Negative	N/A	MFLt
9a	1 st floor – kitchen – 2 nd layer – yellow linoleum	Negative	N/A	MFLl
9b	1 st floor – kitchen – 2 nd layer – under yellow linoleum – mastic	Negative	N/A	MFLl
9c	1 st floor – kitchen – 2 nd layer – under linoleum – gray paper insulation	Negative	N/A	MPIy
10	1 st floor – kitchen – bottom layer – gold linoleum	Negative	N/A	MFLd
11a	1 st floor – back stair – on bottom landing – 2 nd layer – beige linoleum	Negative	N/A	MFLe
11b	1 st floor – back stair – on bottom landing – 2 nd layer – under beige linoleum – mastic	Negative	N/A	MFLe
12a	1 st floor – back stair – on top landing – bottom layer – gray linoleum	Negative	N/A	MFLy
12b	1 st floor – back stair – on top landing – bottom layer – under gray linoleum – brown paper insulation	Negative	N/A	MPIIn

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
13a	1 st floor – back stair – on steps – brown and black linoleum	Negative	N/A	MFLnk
13b	1 st floor – back stair – on steps – under linoleum – mastic	Negative	N/A	MFLnk
14	1 st floor – dining room – white ceiling tile	Negative	N/A	MSCTw
15	1 st floor – dining room – in wall – blown in insulation	Negative	N/A	MBI
16	1 st floor – front room – in wall – blown in insulation	Negative	N/A	MBI
17	2 nd floor – bedroom – in wall – blown in insulation	Negative	N/A	MBI
18	1 st floor – pantry – tan and beige linoleum	Negative	N/A	MFLte
19	2 nd floor – bathroom – tan and white linoleum	Negative	N/A	MFLtw
20	Basement – on south side of chimney – dark gray flue packing	Negative	N/A	TFPydark
21	Basement – on east side of chimney – gray flue packing	Positive 20% Chrysotile	2 Sq. Ft.	TFPy
22	Basement – on ceiling east of chimney – duct paper	Positive 80% Chrysotile	2 Sq. Ft.	TDW
23	Basement – on window – glazing compound	Negative	N/A	MPG
24	Basement – north room – on south wall – white paper insulation	Positive 80% Chrysotile	20 Sq. Ft.	MPIw

Notes: N/A = Not Applicable
Sq. Ft. = Square Feet

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	700 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MFLtg	Tan & Green Linoleum
MFLn	Brown Linoleum
MFLt	Tan Linoleum
MFLl	Yellow Linoleum
MFLk	Black Linoleum
MFLi	Yellow Linoleum
MFLd	Gold Linoleum
MFLe	Beige Linoleum
MFLy	Gray Linoleum
MFLnk	Brown & Black Linoleum
MFLte	Tan & Beige Linoleum
MFLtw	Tan & White Linoleum
MBI	Blown in Insulation
MSCTw	White Ceiling Tile
MPIy	Gray Paper Insulation
MPIin	Brown Paper Insulation
MPIw	White Paper Insulation
MPG	Glazing Compound
TDW	Duct Paper

Homogeneous Material Codes

TFPy	Gray Flue Packing
TFPydark	Dark Gray Flue Packing

Note#1: Category I – Non-Friable Asbestos Containing Materials may become friable during mechanical demolition activities or maybe considered friable prior to demolition activities due to its current condition.

Note#2: If additional materials are discovered during demolition that are not listed above they are to be assumed to be asbestos containing.

Note#3: A copy of this report should be transmitted to the demolition contractor.

Note#4: Additional duct paper may be within walls and ceilings.

V. EXCLUSIONS

Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.

HMG is not and shall not represent the building owner as its agent or representative for the purpose of the US EPA/NESHAP and/or the WDNR/NR447 regulations, as owner/operator.

This report represents the condition of the building and its visible/accessible suspect asbestos containing materials at the date and the times of the onsite inspection. Hidden materials or those materials that could be present at the point of inspection, over and above those stated in the inspection report, are the responsibility of the building owner and the demolition contractor.

VI. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our Polarized Light Microscopy, unless otherwise specified by the client. The findings and conclusions of HMG represent our professional opinions extrapolated from limited data. Significant limited data is gathered during the course of the preliminary asbestos specific site assessment. No other warranty is expressed or implied. Prior to any abatement or renovation activities, it is recommended that HMG be provided the opportunity to review such plans in order that the inspection and assessments contained herein are properly interpreted and implemented.

This report and the information contained herein are prepared for the sole and exclusive use and possession of the City of Milwaukee Department of Neighborhood Services. No other person or entity may rely on this report or any information contained herein. Any dissemination of the Report or any information contained herein is strictly prohibited without prior written authorization from Harenda Management Group.

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

This guide lists materials and products commonly found in buildings with examples. It is not intended as a substitute for reading the rules and statutes and making your own independent determination of their applicability to your demolition project. These examples presented here do not represent an exhaustive listing of types of materials that may be required to be removed from the building prior to demolition.

ASBESTOS

Persons conducting inspections for asbestos must hold a valid asbestos inspector certification card issued by the State of Wisconsin, Dept. of Health Services. **Please follow the Asbestos Inspection and Sampling Protocol for Buildings to be Demolished or Renovated.**

CFCs and HALONS

Equipment that may contain CFCs and Halons:

<u>N/A</u>	Air Conditioners (roof top, room, and central)
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>N/A</u>	Refrigerators, Freezers, Chillers
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>N/A</u>	Fire Extinguishers (both portable and installed HALON suppression systems)
<u>N/A</u>	Water Coolers

LEAD

Lead or Lead Based Paint (LBP) is common in many older buildings. When recycling construction and demolition debris, be aware that wood containing lead paint may not be chipped and spread for landscaping. State law also prohibits the sale or transfer of any fixture or other object containing LBP that might be placed upon any surface of a dwelling, which is ordinarily accessible to children.

MERCURY

Products that may contain mercury:

LIGHTING

<u>N/A</u>	Fluorescent Lights
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

HVAC

Check thermostats and any control associated with air handling units for switches containing mercury.

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

<u>N/A</u>	Old Thermostats
<u>N/A</u>	Aquastats
<u>N/A</u>	Firestats
<u>N/A</u>	Manometers
<u>N/A</u>	Thermometers

BOILERS, FURNACES, HEATERS AND TANKS

<u>N/A</u>	Mercury Flame Sensors by pilot lights
<u>N/A</u>	Manometers, Thermometers, Gauges
<u>N/A</u>	Pressure-trol
<u>N/A</u>	Float or Level Controls
<u>N/A</u>	Space Heaters

ELECTRICAL SYSTEMS – 3 Electric Meters in Basement

<u>N/A</u>	Load Meters and Supply Relays
<u>N/A</u>	Phase Splitters
<u>N/A</u>	Microwave Relays
<u>N/A</u>	Mercury Displacement Relays

PCBs

For electrical devices manufactured prior to 1987, it is safe to assume that they contain PCBs and should be managed accordingly. Most equipment manufactured after this time will say "PCB Free". The following is a list of areas in a building where PCBs may be found:

<u>N/A</u>	Transformers
<u>N/A</u>	Capacitors (appliances, electronic equipment)
<u>N/A</u>	Heat Transfer Equipment
<u>N/A</u>	Light Ballasts
<u>N/A</u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u>N/A</u>	Sumps or Oil Traps (in maintenance and industrial facilities)

OTHER ENVIRONMENTAL ISSUES

<u>N/A</u>	Hazardous Waste
<u>N/A</u>	Oil Tanks
<u>N/A</u>	Well Abandonment
<u>N/A</u>	Junk Auto Tires
<u>N/A</u>	Junk Vehicles

VIII. LABORATORY RESULTS



2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 246140	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 02/02/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 02/02/2015	Project: DNS
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3151

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Layered	Gray Skim Coat	Asbestos Not Present	NA	CaCO3 Sand
001a		Layered	Tan Plaster	Asbestos Not Present	NA	CaCO3 Quartz
002	2	Layered	Gray Skim Coat	Asbestos Not Present	NA	CaCO3 Sand
002a		Layered	Tan Plaster	Asbestos Not Present	NA	CaCO3 Quartz
003	3	Layered	Gray Skim Coat	Asbestos Not Present	NA	CaCO3 Sand
003a		Layered	Tan Plaster	Asbestos Not Present	NA	Gypsum Quartz
004	4	Layered	Gray Skim Coat	Asbestos Not Present	NA	CaCO3 Sand

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Date Analyzed: 02/02/2015	Project: DNS
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3151

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
004a		Layered	Tan Plaster	Asbestos Not Present	NA	Gypsum Quartz
005	5	Layered	Gray Skim Coat	Asbestos Not Present	NA	Sand CaCO3
005a		Layered	Tan Plaster	Asbestos Not Present	NA	Quartz CaCO3
006	6	Homogeneous	Tan Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
007	7	Layered	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 30	Vinyl Foam
007a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue Binder

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Date Analyzed: 02/02/2015	Project: DNS
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3151

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	NA	Vinyl Foam
009	9	Layered	Beige Sheet Vinyl	Asbestos Not Present	NA	Vinyl Binder
009a		Layered	White Mastic	Asbestos Not Present	NA	Glue
009b		Layered	Gray Backing	Asbestos Not Present	Cellulose 60	Binder
010	10	Homogeneous	Beige Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
011	11	Layered	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 30	Vinyl Foam
011a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue

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Date Analyzed: 02/02/2015	Project: DNS
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3151

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012	12	Layered	Gray Flooring	Asbestos Not Present	Cellulose 30	Cork Binder
012a		Layered	Brown Backing	Asbestos Not Present	Cellulose 50	CaCO3 Binder
013	13	Layered	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl Foam
013a		Layered	Brown Mastic	Asbestos Not Present	Cellulose 2	Glue
014	14	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite Paint
015	15	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	

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Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3151

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016	16	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
017	17	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
018	18	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl Foil
019	19	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl Foam
020	20	Homogeneous	Gray Stucco	Asbestos Not Present	NA	Quartz CaCO3
021	21	Homogeneous	Tan Insulation	Asbestos Present Chrysotile 20	NA	Binder
022	22	Homogeneous	White Insulation	Asbestos Present Chrysotile 80	NA	Binder

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Date Analyzed: 02/02/2015	Project: DNS
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3151

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023	23	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3 Binder
024	24	Homogeneous	Cream Insulation	Asbestos Present Chrysotile 80	NA	Binder

Shweta Harankhedkar, Analyst

2/2/2015

Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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ASBESTOS CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

www.QuanTEM.com

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. <u>246140</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>
Report Results <input checked="" type="checkbox"/> one box
Quantem Website <input checked="" type="checkbox"/>
Other_email <input type="checkbox"/>

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	CellPhone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 15-400-004.3151	
SAMPLED BY: Name:	Date:	P.O. Number:	

REQUISISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Dean Jacobsen</i>	1/30/15 1700	FedEx	<i>Judy Rowan</i>	2/2/15 9:50

REQUESTED SERVICES (Please check the Appropriate Boxes)

PLM	PLM	PLM	TEM	TEM	TURNAROUND TIME
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Bulk- Presence / Absence [weight%]- Chatfield	<input type="checkbox"/> Rush
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> Same Day
<input type="checkbox"/> 1000 Point Count	<input type="checkbox"/> PCM	<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input checked="" type="checkbox"/> 24 - Hour
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other		<input type="checkbox"/> 3 - Day
<input type="checkbox"/> Particle ID					<input type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed <input checked="" type="checkbox"/>	Color	Description	Volume / Area (as applicable)	Comments / Notes
1		<input checked="" type="checkbox"/>				
2		<input type="checkbox"/>				
3		<input type="checkbox"/>				
4		<input type="checkbox"/>				
5		<input type="checkbox"/>				
6		<input type="checkbox"/>				
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
10		<input checked="" type="checkbox"/>				



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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. <u>244140</u>
Accept <input type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Project Name: DNS	Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11				
12	12				
13	13				
14	14				
15	15				
16	16				
17	17				
18	18				
19	19				
20	20				
21	21				
22	22				
23	23				
24	24				
25					
26					
27					
28					
29					
30					

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

is certified under ch. HFS 159, Wis. Adm. Code as a

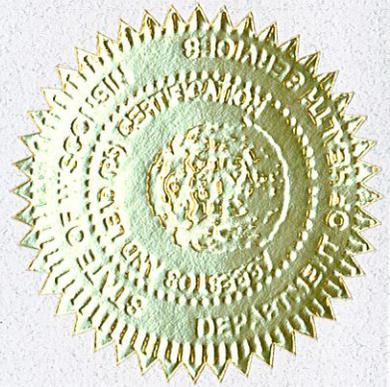
Asbestos Company - Primary

Certificate Issue Date: 09/11/2013
Expiration Date: 08/31/2015, 12:01 a.m.
Certification #: CAP-480540

Wisconsin Department of Health Services
Division of Public Health
Bureau of Environmental and Occupational Health
Asbestos & Lead Section
PO Box 2659
Madison WI 53701-2659
Phone: (608) 261-6876



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen

W131s6781 Kipling Dr

Muskego WI 53150-3401

		160 lbs	5' 08"
All-14370	Exp: 12/01/2015	12/12/1963	Male

Training due by: 12/01/2015

COPY