



**ASBESTOS SNIP INSPECTION REPORT**

**Job Site:**

**One Family Dwelling  
4051 North 7<sup>th</sup> Street  
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-061.4051  
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

**April 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 4051 North 7<sup>th</sup> Street, Milwaukee, Wisconsin.

The inspection included plaster, tar paper, caulk, fiberboard, window glazing compound, linoleum, drywall/joint compound, duct paper, flue packing, and joint compound patch 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 March 21, 2014 HMG conducted an asbestos inspection of a one family dwelling and garage, scheduled for mechanical demolition, located at 4051 North 7<sup>th</sup> 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 except where friable.
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, tar paper, caulk, fiberboard, window glazing compound, linoleum, drywall/joint compound, duct paper, flue packing, and joint compound patch. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – east wall under wood siding – tar paper	Negative	N/A	MPT
2	Exterior – west wall under wood siding – tar paper	Negative	N/A	MPT
3	Exterior – north wall under wood siding – tar paper	Negative	N/A	MPT
4	Exterior – exterior – around east window – caulk	Negative	N/A	MCLK
5	Exterior – exterior – around west window – caulk	Negative	N/A	MCLK
6	Exterior – exterior – around north window – caulk	Negative	N/A	MCLK
7	Exterior – east wall under aluminum siding – fiberboard	Negative	N/A	MFB
8	Exterior – west wall under aluminum siding – fiberboard	Negative	N/A	MFB
9	Exterior – north wall under aluminum siding – fiberboard	Negative	N/A	MFB
10	Exterior – east window – glazing compound	Positive 2% Chrysotile	N/A	MPG
<b>10</b>	<b>POINT COUNT RESULT</b>	<b>Positive 1.5% Chrysotile</b>	<b>11 Windows</b>	<b>MPG</b>
11	Exterior – west window – glazing compound	Negative	N/A	MPG
12	Basement – north window – glazing compound	Negative	N/A	MPG
13	1st floor – kitchen – east side under floor tile – yellow linoleum	Negative	N/A	MFLI
14	1st floor – kitchen – west side under floor tile – yellow linoleum	Negative	N/A	MFLI
15	1st floor – kitchen – north side under floor tile – yellow linoleum	Negative	N/A	MFLI
16	1 <sup>st</sup> floor – kitchen – on counter – white linoleum	Negative	N/A	MFLw
17	1 <sup>st</sup> floor – bathroom – black linoleum	Negative	N/A	MFLk
18a	2 <sup>nd</sup> floor – bathroom – east wall – joint compound	Negative	N/A	MDW
18b	2 <sup>nd</sup> floor – bathroom – east wall – drywall	Negative	N/A	MDW
19a	1 <sup>st</sup> floor – east bedroom – north wall – joint compound	Negative	N/A	MDW
19b	1 <sup>st</sup> floor – east bedroom – north wall – drywall	Negative	N/A	MDW

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
20a	1 <sup>st</sup> floor – west bedroom – north wall – joint compound	Negative	N/A	MDW
20b	1 <sup>st</sup> floor – west bedroom – north wall – drywall	Negative	N/A	MDW
21	1 <sup>st</sup> floor – bathroom closet – tan linoleum	Negative	N/A	MFLt
22	2 <sup>nd</sup> floor – bathroom – top layer – beige linoleum	Negative	N/A	MFLc
<b>23</b>	<b>1<sup>st</sup> floor – bathroom closet – on duct – duct paper</b>	<b>Positive 75% Chrysotile</b>	<b>25 Sq. Ft.</b>	<b>TDW</b>
<b>24</b>	<b>Basement – west side – on duct – duct paper</b>	<b>Positive 70% Chrysotile</b>	<b>Reference Sample 23</b>	<b>TDW</b>
<b>25</b>	<b>Basement – east side – on duct – duct paper</b>	<b>Positive 65% Chrysotile</b>	<b>Reference Sample 23</b>	<b>TDW</b>
26a	2 <sup>nd</sup> floor – center room – on chimney – flue packing top layer	Negative	N/A	TFP
26b	2 <sup>nd</sup> floor – center room – on chimney – flue packing bottom layer	Negative	N/A	TFP
27a	Basement – on south side of chimney – flue packing #2 top layer	Negative	N/A	TFP2
<b>27b</b>	<b>Basement – on south side of chimney – flue packing #2 middle layer</b>	<b>Positive 4% Chrysotile</b>	<b>2 Sq. Ft.</b>	<b>TFP2</b>
27c	Basement – on south side of chimney – flue packing #2 bottom layer	Negative	N/A	TFP2
28a	Basement – on east side of chimney – flue packing #3 top layer	Positive 2% Chrysotile	N/A	TFP3
<b>28a</b>	<b>POINT COUNT RESULT</b>	<b>Positive 1.25% Chrysotile</b>	<b>2 Sq. Ft.</b>	<b>TFP3</b>
28b	Basement – on east side of chimney – flue packing #3 bottom layer	Negative	N/A	TFP3
29	2 <sup>nd</sup> floor – center room – ceiling – plaster #2	Negative	N/A	SPI2
30	2 <sup>nd</sup> floor – west room – ceiling – plaster #2	Negative	N/A	SPI2
31	2 <sup>nd</sup> floor – center room – ceiling – plaster #2	Negative	N/A	SPI2
32	2 <sup>nd</sup> floor – center room – on chimney – plaster #3	Negative	N/A	SPI3
33	2 <sup>nd</sup> floor – center room – on chimney – plaster #3	Negative	N/A	SPI3
34	2 <sup>nd</sup> floor – center room – on chimney – plaster #3	Negative	N/A	SPI3
35	2 <sup>nd</sup> floor – northeast room – north wall under wood panel – fiberboard #2	Negative	N/A	MFB2
36	2 <sup>nd</sup> floor – southeast room – south wall under wood panel – fiberboard #2	Negative	N/A	MFB2
37a	2 <sup>nd</sup> floor – southeast room – east wall under wood panel – fiberboard #2	Negative	N/A	MFB2
37b	2 <sup>nd</sup> floor – southeast room – east wall under wood panel – texture layer	Positive 2% Chrysotile	N/A	MFB2
<b>37b</b>	<b>POINT COUNT RESULT</b>	<b>Positive 1.5% Chrysotile</b>	<b>460 Sq. Ft.</b>	<b>MFB2</b>
<b>38</b>	<b>2<sup>nd</sup> floor – northeast room – scattered on walls – joint compound patch <i>Quantity includes northeast bedroom</i></b>	<b>Positive 3% Chrysotile</b>	<b>45 Sq. Ft.</b>	<b>MJC</b>
39a	2 <sup>nd</sup> floor – stair – north wall – patch layer	Negative	N/A	SPI
39b	2 <sup>nd</sup> floor – stair – north wall – plaster skim coat	Negative	N/A	SPI
39c	2 <sup>nd</sup> floor – stair – north wall – plaster base coat	Negative	N/A	SPI
40a	Basement – stair – north wall – plaster skim coat	Negative	N/A	SPI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
40b	Basement – stair – north wall – plaster base coat <sup>10</sup>	Negative	N/A	SP1
41	1 <sup>st</sup> floor – living room – north wall – plaster	Negative	N/A	SP1
42	1 <sup>st</sup> floor – dining room – west wall – plaster	Negative	N/A	SP1
43	1 <sup>st</sup> floor – kitchen – east wall – plaster	Negative	N/A	SP1
44	Garage – north wall – tar paper #2	Negative	N/A	MPT2
45	Garage – east wall – tar paper #2	Negative	N/A	MPT2
46	Garage – south wall – tar paper #2	Negative	N/A	MPT2

**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	850 Sq. Ft.
Roof	Garage	Asphalt Shingles & Flashing	250 Sq. Ft.
1 <sup>st</sup>	Kitchen/Stair	Floor Tile & Mastic	500 Sq. Ft.
1 <sup>st</sup>	Bathroom	Floor Mastic	60 Sq. Ft.
2 <sup>nd</sup>	Bedrooms/Bathroom	Floor Tile & Mastic	370 Sq. Ft.

#### Homogeneous Material Codes

SP1	Plaster
SP12	Plaster #2
SP13	Plaster #3
MPT	Tar Paper
MPT2	Tar Paper #2
MCLK	Caulk
MFB	Fiberboard
MFB2	Fiberboard #2
MPG	Glazing Compound
MFL1	Yellow Linoleum
MFLk	Black Linoleum
MFLw	White Linoleum
MFLt	Tan Linoleum
MFLe	Beige Linoleum
MDW	Drywall
MJC	Joint Compound
TFP	Flue Packing
TFP	Flue Packing
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:** Additional duct paper may be within walls and ceilings.

## V. EXCLUSIONS

**Roofs 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 & Family 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>1</u>	Fluorescent Lights – Basement
<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>1</u>	Old Thermostats - Dining Room
<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 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 – Basement
<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 in Basement

## 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. 233411	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 03/26/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 03/31/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.4051

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
002	2	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
003	3	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 90	Binder
004	4	Homogeneous	White Caulk	Asbestos Not Present	NA	Binder
005	5	Homogeneous	White Caulk	Asbestos Not Present	NA	Binder
006	6	Homogeneous	White Caulk	Asbestos Not Present	NA	Binder
007	7	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	

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. 233411	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 03/26/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 03/31/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.4051

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
009	9	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
010	10	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 2	NA	CaCO3
011	11	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
012	12	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3 Talc
013	13	Homogeneous	Pink Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
014	14	Homogeneous	Pink Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl

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### Polarized Light Microscopy Asbestos Analysis Report

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	15	Homogeneous	White Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
016	16	Homogeneous	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
017	17	Homogeneous	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
018	18	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
018a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 2	Gypsum
019	19	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
019a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 5	Gypsum

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**Polarized Light Microscopy Asbestos Analysis Report**

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Methodology: EPA/600/R-93/116	Project Number: 14-200-061.4051

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020	20	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
020a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	2 Gypsum
021	21	Homogeneous	Yellow Linoleum	Asbestos Not Present	Cellulose	25 Tar Binder
022	22	Homogeneous	White Sheet Vinyl	Asbestos Not Present	Cellulose	25 Vinyl
023	23	Homogeneous	White Pipe Wrap	Asbestos Present Chrysotile 75	Cellulose	10 Binder
024	24	Homogeneous	White Insulation	Asbestos Present Chrysotile 70	Cellulose	20 Binder
025	25	Homogeneous	Brown Insulation	Asbestos Present Chrysotile 65	Cellulose	20 Binder

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Methodology: EPA/600/R-93/116	Project Number: 14-200-061.4051

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
026	26	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Perlite Binder
026a		Layered	Brown Sheetrock	Asbestos Not Present	NA	Gypsum Perlite
027	27	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Perlite Paint
027a		Layered	Dark Gray Stucco	Asbestos Present Chrysotile 4	NA	Clay Binder
027b		Layered	Gray Stucco	Asbestos Not Present	NA	Sand CaCO3
028	28	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Perlite Paint
028a		Layered	Dark Gray Stucco	Asbestos Present Chrysotile 2	NA	Clay Binder

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
029	29	Homogeneous	Tan Texture	Asbestos Not Present	NA	Gypsum CaCO3 Perlite
030	30	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum Perlite
031	31	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3
032	32	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3
033	33	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3
034	34	Homogeneous	White Texture	Asbestos Not Present	NA	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. 233411	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 03/26/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 03/31/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.4051

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
035	35	Homogeneous	Brown Wallboard	Asbestos Not Present	Cellulose 90	Paint
036	36	Homogeneous	Brown Wallboard	Asbestos Not Present	Cellulose 90	Paint
037	37	Layered	Brown Wallboard	Asbestos Not Present	Cellulose 90	Paint
037a		Layered	Tan Texture	Asbestos Present Chrysotile 2	NA	CaCO3
038	38	Homogeneous	White Texture	Asbestos Present Chrysotile 3	NA	CaCO3
039	39	Layered	White Texture	Asbestos Not Present	NA	Gypsum Perlite Paint
039a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3

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. 233411	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 03/26/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 03/31/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.4051

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
039b		Layered	Tan Plaster	Asbestos Not Present	Hair 3	Sand Gypsum
040	40	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
040a		Layered	Tan Plaster	Asbestos Not Present	Hair 3	Sand Gypsum
041	41	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
042	42	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
043	43	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
044	44	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 70	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.



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### Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 233411	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 03/26/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 03/31/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.4051

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
045	45	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 70	Tar
046	46	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 70	Tar

  
 Cristal Veech, Analyst

3/31/2014  
 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**

www.QuanTEM.com

For Lab Use Only  
 Lab No. 233411  
 Accept  Reject

<b>Contact Information</b> Company: <u>Harenda Management Group</u> Contact: <u>Dean Jacobsen</u> Account #: <u>B929</u> Phone: <u>(414) 383-4800</u> Cell Phone: E-mail: <u>djacobsen@harenda.com</u> Date:		<b>Project Information</b> Project Name: <u>DNS</u> Project Location: <u>Milwaukee, WI</u> Project ID: <u>14-200-061.4051</u> P.O. Number:	
---	--	--	--

<b>RELINQUISHED BY</b> <u>Dean Jacobsen</u>	<b>DATE &amp; TIME</b> <u>3/25/14 1800</u>	<b>VIA</b> <u>FedEx</u>	<b>RECEIVED BY</b> <u>S. Hofflich</u>	<b>DATE &amp; TIME</b> <u>3/26/14 9:30</u>
--	---	----------------------------	--	---

**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"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> 24 - Hour
<input type="checkbox"/> Gravimetric Preparation	<b>PCM</b>	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input checked="" 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 type="checkbox"/> 5 - Day

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**  
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Page 3 of 3

For Lab Use Only

Lab No. 233411

Accept  Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	Color	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	41				
42	42				
43	43				
44	44				
45	45				
46	46				
47					
48					
49					
50					

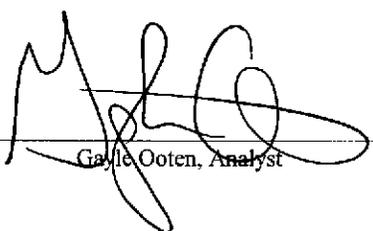


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 233705	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/02/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 04/03/2014	Project: PTCT for 233411, DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.4051

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	10	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 1.50 400 Point Count	NA	
002	28	Homogeneous	Dark Gray Stucco	Asbestos Present Chrysotile 1.25 400 Point Count	NA	
003	37	Homogeneous	Tan Texture	Asbestos Present Chrysotile 1.50 400 Point Count	NA	



Gayle Ooten, Analyst

4/3/2014  
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**

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For Lab Use Only

Lab No. 233705  
 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: 14-200-061-4051	
SAMPLED BY: Name:	Date:	PO Number:	

RELINQUISHED BY <i>Dean Jacobsen</i>	DATE & TIME 4/2/14 8:55	VIA Email	RECEIVED BY <i>Steph Wick</i>	DATE & TIME 4/2/14 8:50
---	----------------------------	--------------	----------------------------------	----------------------------

**REQUESTED SERVICES (Please  the Appropriate Boxes)**

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

No.	Sample ID (10 Characters Max)	To Be Analyzed <input checked="" type="checkbox"/>	Description	Volume / Area (as applicable)	Comments / Notes
1	10	<input checked="" type="checkbox"/>			
2	28	<input checked="" type="checkbox"/>	dark gray stucco		Quantem Lab#233411
3	37	<input checked="" type="checkbox"/>	tan texture		
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**



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen  
W1316781 Kipling Dr  
Monkego WI 53150-3401

		160 lbs	5' 08"
All-14370	Exp. 12/31/2014	12/12/1963	Male

Training due by: 12/01/2014

# 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

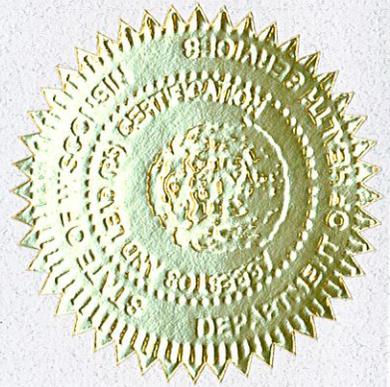
Asbestos Company - Primary

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 SNIP INSPECTION REPORT**

**Job Site:**

**Fire Damaged  
Two Family Dwelling  
922 South 15<sup>th</sup> Street  
Milwaukee, Wisconsin**

**For:**

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

**HMG Report No.: 13-2000-399.922  
Contract No.: 360-13-0745**

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 2013**

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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 922 South 15<sup>th</sup> Street, Milwaukee, Wisconsin.

The inspection included plaster, drywall/joint compound, ceiling tile, linoleum, window glazing compound, 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*.

## 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 10, 2013, HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 922 South 15<sup>th</sup> 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 included plaster, drywall/joint compound, ceiling tile, linoleum, window glazing compound, flue packing, and duct paper. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-922	2 <sup>nd</sup> floor – west bedroom – south wall – drywall	Negative	N/A	MDW
2-922a	2 <sup>nd</sup> floor – living room – north wall – joint compound	Negative	N/A	MDW
2-922b	2 <sup>nd</sup> floor – living room – north wall – drywall	Negative	N/A	MDW
3-922a	2 <sup>nd</sup> floor – northwest bedroom – ceiling – joint compound	Negative	N/A	MDW
3-922b	2 <sup>nd</sup> floor – northwest bedroom – ceiling – joint compound layer 2	Negative	N/A	MDW
3-922c	2 <sup>nd</sup> floor – northwest bedroom – ceiling – drywall	Negative	N/A	MDW
4-922a	1 <sup>st</sup> floor – front entry – north wall – plaster skim coat	Negative	N/A	SPI
4-922b	1 <sup>st</sup> floor – front entry – north wall – plaster base coat	Negative	N/A	SPI
5-922a	1 <sup>st</sup> floor – dining room – east wall – plaster skim coat	Negative	N/A	SPI
5-922b	1 <sup>st</sup> floor – dining room – east wall – plaster base coat	Negative	N/A	SPI
6-922	1 <sup>st</sup> floor – bathroom – west wall – plaster	Negative	N/A	SPI
7-922a	Basement – stair – ceiling – plaster skim coat	Negative	N/A	SPI
7-922b	Basement – stair – ceiling – plaster base coat	Negative	N/A	SPI
8-922a	1 <sup>st</sup> floor – side entry – east wall – plaster skim coat	Negative	N/A	SPI
8-922b	1 <sup>st</sup> floor – side entry – east wall – plaster base coat	Negative	N/A	SPI
9-922	1 <sup>st</sup> floor – front entry – ceiling tile	Negative	N/A	MSCT
10-922a	2 <sup>nd</sup> floor – hall – south wall – plaster #2 skim coat	Negative	N/A	SPI2
10-922b	2 <sup>nd</sup> floor – hall – south wall – plaster #2 base coat	Negative	N/A	SPI2
11-922	2 <sup>nd</sup> floor – kitchen – ceiling – plaster #2	Negative	N/A	SPI2
12-922a	2 <sup>nd</sup> floor – north bedroom – west wall – plaster #2 skim coat	Negative	N/A	SPI2
12-922b	2 <sup>nd</sup> floor – north bedroom – west wall – plaster #2 base coat	Negative	N/A	SPI2
13-922a	2 <sup>nd</sup> floor – living room – north wall – plaster #2 skim coat	Negative	N/A	SPI2
13-922b	2 <sup>nd</sup> floor – living room – north wall – plaster #2 base coat	Negative	N/A	SPI2
14-922	2 <sup>nd</sup> floor – bathroom – east wall – plaster #2	Negative	N/A	SPI2
15-922	1 <sup>st</sup> floor – west room – center – brown linoleum	Negative	N/A	MFLn
16-922	1 <sup>st</sup> floor – west room – west side – brown linoleum	Negative	N/A	MFLn
17-922	1 <sup>st</sup> floor – west room – south side – brown linoleum	Negative	N/A	MFLn

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
18-922	1 <sup>st</sup> floor – west room – west window – glazing compound	Negative	N/A	MPG
19-922	1 <sup>st</sup> floor – northwest room – north window – glazing compound	Negative	N/A	MPG
20-922	1 <sup>st</sup> floor – north bedroom – west window – glazing compound	Negative	N/A	MPG
21-922	Basement – on chimney – flue packing	Negative	N/A	TFP
22-922	Basement – on 4 boots – duct paper	Positive 80% Chrysotile	5 Sq. Ft.	TDW
23-922	2 <sup>nd</sup> floor – bathroom – under floor tile – yellow linoleum	Negative	N/A	MFLI

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 <sup>st</sup>	Front Entry/Living Room/Kitchen	Floor Tile & Mastics	360 Sq. Ft.
1 <sup>st</sup>	West Room	Floor Mastic	170 Sq. Ft.
2 <sup>nd</sup>	Hall/Bathroom/Kitchen/Living Room	Floor Tile & Mastics	500 Sq. Ft.

**Homogeneous Material Codes**

- SPI Plaster
- SP12 Plaster #2
- MDW Drywall/Joint Compound
- MSCT Ceiling Tile
- MFLn Brown Linoleum
- MFLI Yellow Linoleum
- MPG Glazing Compound
- TFP Flue Packing
- TDW Duct Paper

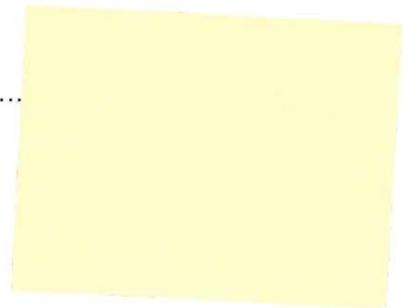
**Note#1:** Category I – Non-Friable Asbestos Containing Materials may become friable during mechanical demolition activities or maybe considered friable prior to demolition activities due to its current condition.

**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:** Additional duct paper may be within walls and ceilings.

**Note#5:** Estimated cost for friable asbestos removal.....



## V. EXCLUSIONS

**All rooms have fire debris - floors only partially 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 & Family 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>2</u>	<b>Refrigerators</b> , Freezers, Chillers – 1 <sup>st</sup> Floor Dining Room, 2 <sup>nd</sup> Floor Kitchen
<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 <b>portable</b> and installed HALON suppression systems) – 1 <sup>st</sup> Floor Kitchen
<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<br>-Metal Halide<br>-High Pressure Sodium<br>-Mercury Vapor   |
| <u>N/A</u> | Neon   |
| <u>N/A</u> | Switches for lighting using mercury relays<br>-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 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 – 3 Electric Meters on Exterior. 4 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>1</u>	Light Ballasts – 1 <sup>st</sup> 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>1</u>	Oil Tanks – Basement
<u>N/A</u>	Well Abandonment
<u>20</u>	Junk Auto Tires – 1 <sup>st</sup> Floor Kitchen, Basement
<u>N/A</u>	Junk Vehicles

\* 8 Gallons Paint in 1<sup>st</sup> Floor Kitchen

\* 2 Water Meters & 70 Gallons Paint in Basement

## 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. 230010	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 12/16/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 12/17/2013	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-399.922

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-922	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 5	Gypsum Paint
002	2-922	Layered	Tan Joint Compound	Asbestos Not Present	NA	CaCO3
002a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
003	3-922	Layered	White Texture	Asbestos Not Present	NA	CaCO3
003a		Layered	White Texture	Asbestos Not Present	Talc 5	CaCO3 Talc
003b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
004	4-922	Layered	White Skim Coat	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.



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

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 230010  
 Account Number: B929  
 Date Received: 12/16/2013  
 Received By: Joanna Mueller  
 Date Analyzed: 12/17/2013  
 Analyzed By: Cristal Veech  
 Methodology: EPA/600/R-93/116

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

Project: DNS  
 Project Location: Milwaukee, WI  
 Project Number: 13-2000-399.922

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
004a		Layered	Gray Plaster	Asbestos Not Present	Cellulose Glass Fiber	<1 Sand 2 CaCO3
005	5-922	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
005a		Layered	Tan Plaster	Asbestos Not Present	Cellulose Glass Fiber	<1 Sand 2 CaCO3
006	6-922	Homogeneous	White Plaster	Asbestos Not Present	Cellulose	<1 Gypsum Perlite Paint
007	7-922	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
007a		Layered	Tan Plaster	Asbestos Not Present	Cellulose Glass Fiber Hair	<1 Sand 2 CaCO3 2
008	8-922	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand Gypsum

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. 230010

Account Number: B929

Date Received: 12/16/2013

Received By: Joanna Mueller

Date Analyzed: 12/17/2013

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 13-2000-399.922

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
009	9-922	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite Paint
010	10-922	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
010a		Layered	Tan Plaster	Asbestos Not Present	Glass Fiber 3 Hair 2	Sand CaCO3
011	11-922	Homogeneous	Gray Plaster	Asbestos Not Present	Cellulose <1 Glass Fiber 2 Hair <1	Sand CaCO3
012	12-922	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
012a		Layered	Gray Plaster	Asbestos Not Present	Cellulose <1 Glass Fiber 4 Hair 2	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. 230010  
 Account Number: B929  
 Date Received: 12/16/2013  
 Received By: Joanna Mueller  
 Date Analyzed: 12/17/2013  
 Analyzed By: Cristal Veech  
 Methodology: EPA/600/R-93/116

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

Project: DNS  
 Project Location: Milwaukee, WI  
 Project Number: 13-2000-399.922

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013	13-922	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
013a		Layered	Gray Plaster	Asbestos Not Present	Cellulose Glass Fiber Hair	<1 Sand 2 CaCO3 <1
014	14-922	Homogeneous	White Plaster	Asbestos Not Present	Cellulose Hair	<1 Gypsum 2 Perlite
015	15-922	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose Synthetic	15 Binder 10
016	16-922	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose Synthetic	15 Binder 10
017	17-922	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose Synthetic	15 Binder 10
018	18-922	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	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. 230010

Account Number: B929

Date Received: 12/16/2013

Received By: Joanna Mueller

Date Analyzed: 12/17/2013

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 13-2000-399,922

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019	19-922	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3
020	20-922	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3
021	21-922	Homogeneous	Gray Plaster	Asbestos Not Present	Glass Fiber	4 Sand CaCO3
022	22-922	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 80	NA	Binder
023	23-922	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose	25 Vinyl

*Cristal Veech*  
Cristal Veech, Analyst

12/18/2013

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

LABORATORIES  
 www.QuanTEM.com

For Lab Use Only  
 Lab No. 230010  
 Accept  Reject  
 Report Results  (one box)  
 QuanTEM Website  
 Other\_email

**Contact Information**  
 Company: **Harenda Management Group**  
 Contact: **Dean Jacobsen**  
 Account #: **B929**  
 Project Information  
 Project Name: **DNS**  
 Project Location: **Milwaukee, WI**  
 Project ID: **13-2000-399.922**  
 P.O. Number:

**SAMPLED BY:** [Signature] **DATE & TIME:** 12/2/13 180  
**RELINQUISHED BY:** [Signature] **DATE & TIME:** 12/16/13 10:00  
**VIA:** [Signature] **RECEIVED BY:** [Signature]

**REQUESTED SERVICES (Please check 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 checked="" type="checkbox"/>	Rush
<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"/>	24 - Hour
<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"/>	5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	1-922	<input checked="" type="checkbox"/>				
2	2-922	<input type="checkbox"/>				
3	3-922	<input type="checkbox"/>				
4	4-922	<input type="checkbox"/>				
5	5-922	<input type="checkbox"/>				
6	6-922	<input type="checkbox"/>				
7	7-922	<input type="checkbox"/>				
8	8-922	<input type="checkbox"/>				
9	9-922	<input type="checkbox"/>				
10	10-922	<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. 230010  
 Accept  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	11-922	<input checked="" type="checkbox"/>				
12	12-922	<input type="checkbox"/>				
13	13-922	<input type="checkbox"/>				
14	14-922	<input type="checkbox"/>				
15	15-922	<input type="checkbox"/>				Do Not Test Mastic
16	16-922	<input type="checkbox"/>				↓
17	17-922	<input type="checkbox"/>				
18	18-922	<input type="checkbox"/>				
19	19-922	<input type="checkbox"/>				
20	20-922	<input type="checkbox"/>				
21	21-922	<input type="checkbox"/>				
22	22-922	<input type="checkbox"/>				
23	23-922	<input checked="" type="checkbox"/>				Do Not Test Mastic
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**

**ASSISTANT INSPECTOR**  
Issued by:  
**STATE OF WISCONSIN**  
Dept. of Health Services

Dean T. Jacobsen  
W11160781 Kipling Dr  
Muskego WI 53150-3401

		160 lbs	5'08"
AI-14370	Exp. 12/01/2014	12/12/1963	Male

Training due by: 12/01/2014



**ASBESTOS SNIP INSPECTION REPORT**

**Job Site:**

**Two Family Dwelling  
2139 North 17<sup>th</sup> Street  
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-061.2139  
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

**March 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 2139 North 17<sup>th</sup> Street, Milwaukee, Wisconsin.

The inspection included plaster, stucco, 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 March 25, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 2139 North 17<sup>th</sup> 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, stucco, and drywall/joint compound. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1a	Exterior – east wall – stucco skim coat	Negative	N/A	STC
1b	Exterior – east wall – stucco base coat	Negative	N/A	STC
1c	Exterior – east wall – drywall	Negative	N/A	STC
2a	Exterior – east wall – stucco skim coat	Negative	N/A	STC
2b	Exterior – east wall – stucco base coat	Negative	N/A	STC
3a	Exterior – east wall – stucco skim coat	Negative	N/A	STC
3b	Exterior – east wall – stucco base coat	Negative	N/A	STC
4	Exterior – south wall – stucco patch	Negative	N/A	STCP
5a	1 <sup>st</sup> floor – stair – south wall – plaster skim coat	Negative	N/A	SPI
5b	1 <sup>st</sup> floor – stair – south wall – plaster base coat	Negative	N/A	SPI
6a	2 <sup>nd</sup> floor – stair – north wall – plaster skim coat	Negative	N/A	SPI
6b	2 <sup>nd</sup> floor – stair – north wall – plaster base coat	Negative	N/A	SPI
7a	2 <sup>nd</sup> floor – north wall – plaster skim coat	Negative	N/A	SPI
7b	2 <sup>nd</sup> floor – north wall – plaster base coat	Negative	N/A	SPI
8	2 <sup>nd</sup> floor – wall near stair – drywall	Negative	N/A	MDW

**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	1,200 Sq. Ft.
1 <sup>st</sup>	Stair	Floor Tile & Mastic	50 Sq. Ft.

#### Homogeneous Material Codes

SPI	Plaster
STC	Stucco
STCP	Stucco Patch
MDW	Drywall

**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

**No access to basement. 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 & Family 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**

<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. 233470	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 03/27/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/01/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2139

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Layered	Green Stucco	Asbestos Not Present	NA	Sand Gypsum Paint
001a		Layered	Gray Stucco	Asbestos Not Present	NA	Sand CaCO3 Paint
001b		Layered	White Sheetrock	Asbestos Not Present	Glass Fiber 10	Gypsum
002	2	Layered	Green Stucco	Asbestos Not Present	NA	Sand Gypsum Paint
002a		Layered	Gray Stucco	Asbestos Not Present	NA	Sand CaCO3
003	3	Layered	Green Stucco	Asbestos Not Present	NA	Sand Gypsum Paint
003a		Layered	Gray Stucco	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. 233470	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 03/27/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/01/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2139

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
004	4	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
005	5	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint
005a		Layered	White Plaster	Asbestos Not Present	NA	Sand CaCO3
006	6	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand CaCO3
006a		Layered	White Plaster	Asbestos Not Present	NA	Sand CaCO3
007	7	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint

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. 233470

Account Number: B929

Date Received: 03/27/2014

Received By: Joanna Mueller

Date Analyzed: 04/01/2014

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

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

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.2139

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007a		Layered	White Plaster	Asbestos Not Present	NA	Sand CaCO3
008	8	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum

Cristal Veech, Analyst

4/1/2014

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. 2334770  
 Accept  Reject

Report Results  one box  
 QuantEM Website  
 Other email \_\_\_\_\_

Contact Information		Project Information	
Company: Harendra Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harendra.com	Project ID: 14-200-061.2139	
SAMPLED BY: _____	Date:	P.O. Number:	

RELINQUISHED BY:	DATE & TIME: 3/26/14 1800	VIA: FedEx	RECEIVED BY:	DATE & TIME: 3/27/14 1000
------------------	---------------------------	------------	--------------	---------------------------

### 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"/> 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"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> 24 - Hour	
<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 checked="" 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 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 checked="" type="checkbox"/>			
9		<input type="checkbox"/>			
10		<input type="checkbox"/>			

## **IX. HMG CERTIFICATION**



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T. Jacobsen  
W1316781 Kipling Dr  
Monkego WI 53150-3401

		160 lbs	5' 08"
ALL-14370	Exp. 12/31/2014	12/12/1963	Male

Training due by: 12/01/2014

# 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

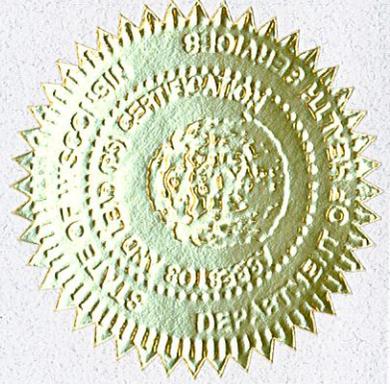
Asbestos Company - Primary

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





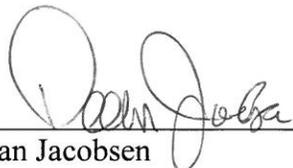
**ASBESTOS SNIP INSPECTION REPORT**  
**Job Site:**

**Fire Damaged**  
**Two Family Dwelling**  
**4077 North 18<sup>th</sup> Street**  
**Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-061.4077**  
**Contract No.: 360-14-0745**

  
\_\_\_\_\_  
Dean Jacobsen  
Asbestos Inspector No. AII – 14370

Prepared by:

**HARENDA MANAGEMENT GROUP**  
1237 West Bruce Street  
Milwaukee, Wisconsin 53204

**April 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 4077 North 18<sup>th</sup> Street, Milwaukee, Wisconsin.

The inspection included plaster, fiberboard, shingle siding, tar paper, duct paper, window glazing compound, drywall/joint compound, linoleum, ceramic tile, flue packing, ad tape wrap 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 April 2, 2014 HMG conducted an asbestos inspection of a two family dwelling and garage, scheduled for mechanical demolition, located at 4077 North 18<sup>th</sup> 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 except where friable.
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, fiberboard, shingle siding, tar paper, duct paper, window glazing compound, drywall/joint compound, linoleum, ceramic tile, flue packing, ad tape wrap . These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – east wall under aluminum siding – fiberboard	Negative	N/A	MFB
2	Exterior – south wall under aluminum siding – fiberboard	Negative	N/A	MFB
3	Exterior – north wall under aluminum siding – fiberboard	Negative	N/A	MFB
4	Exterior – east wall fiberboard – shingle siding	Negative	N/A	MSS
5	Exterior – north wall fiberboard – shingle siding	Negative	N/A	MSS
6	Exterior – south wall fiberboard – shingle siding	Negative	N/A	MSS
7	Exterior – east wall wood siding – tar paper	Negative	N/A	MPT
8	Exterior – south wall wood siding – tar paper	Negative	N/A	MPT
9	Exterior – north wall wood siding – tar paper	Negative	N/A	MPT
<b>10</b>	<b>1<sup>st</sup> floor – living room – on west wall duct – duct paper</b>	<b>Positive 50% Chrysotile</b>	<b>16 Sq. Ft.</b>	<b>TDW</b>
<b>11</b>	<b>Basement – east side on duct – duct paper</b>	<b>Positive 50% Chrysotile</b>	<b>Reference Sample 10</b>	<b>TDW</b>
<b>12</b>	<b>Basement – west side on duct – duct paper</b>	<b>Positive 50% Chrysotile</b>	<b>Reference Sample 10</b>	<b>TDW</b>
13	1 <sup>st</sup> floor – living room – under wood floor – tar paper #2	Negative	N/A	MPT2
14	2 <sup>nd</sup> floor – dining room – under wood floor – tar paper #2	Negative	N/A	MPT2
15	2 <sup>nd</sup> floor – living room – under wood floor – tar paper #2	Negative	N/A	MPT2
<b>16</b>	<b>1<sup>st</sup> floor – dining room – north window – glazing compound</b>	<b>Positive 4% Chrysotile</b>	<b>53 Windows</b>	<b>MPG</b>
17	2 <sup>nd</sup> floor – living room – east window – glazing compound	Negative	N/A	MPG
18	2 <sup>nd</sup> floor – southwest bedroom – south window – glazing compound	Negative	N/A	MPG
19a	1 <sup>st</sup> floor – hall – north wall – joint compound	Negative	N/A	MDW
19b	1 <sup>st</sup> floor – hall – north wall – drywall	Negative	N/A	MDW
20a	Basement – east wall – joint compound	Negative	N/A	MDW
20b	Basement – east – north wall – drywall	Negative	N/A	MDW

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
21a	1 <sup>st</sup> floor – southwest bedroom – north wall – joint compound	Negative	N/A	MDW
21b	1 <sup>st</sup> floor – southwest bedroom – north wall – drywall	Negative	N/A	MDW
22	1 <sup>st</sup> floor – kitchen – south side top layer – yellow linoleum	Negative	N/A	MFLI
23	1 <sup>st</sup> floor – kitchen – north side top layer – yellow linoleum	Negative	N/A	MFLI
24	1 <sup>st</sup> floor – kitchen – east side top layer – yellow linoleum	Negative	N/A	MFLI
25	1 <sup>st</sup> floor – kitchen – south side 3 <sup>rd</sup> layer – gold linoleum	Negative	N/A	MFLd
26	2 <sup>nd</sup> floor – stairs 2 <sup>nd</sup> layer – gold linoleum	Negative	N/A	MFLd
27	2 <sup>nd</sup> floor – pantry – top layer – gold linoleum	Negative	N/A	MFLd
28	1 <sup>st</sup> floor – kitchen – on east wall under panel – gray mastic	Negative	N/A	MWM
29	2 <sup>nd</sup> floor – stairs – top layer – olive linoleum	Negative	N/A	MFLv
30	2 <sup>nd</sup> floor – stair landing – 2 <sup>nd</sup> layer – multicolored linoleum	Negative	N/A	MFLm
31a	2 <sup>nd</sup> floor – kitchen – under floor tile – black linoleum	Negative	N/A	MFLk
31b	2 <sup>nd</sup> floor – kitchen – under linoleum – paper insulation	Negative	N/A	MFLk
32	2 <sup>nd</sup> floor – bathroom – on wall – black ceramic tile	Negative	N/A	MCTMk
33a	2 <sup>nd</sup> floor – bathroom floor – white ceramic tile	Negative	N/A	MCTMw
33b	2 <sup>nd</sup> floor – bathroom floor – grout	Negative	N/A	MCTMw
34a	1 <sup>st</sup> floor – living room – east wall – plaster skim coat	Negative	N/A	SPI
34b	1 <sup>st</sup> floor – living room – east wall – plaster basecoat	Negative	N/A	SPI
35a	2 <sup>nd</sup> floor – kitchen – north wall – plaster skim coat	Negative	N/A	SPI
35b	2 <sup>nd</sup> floor – kitchen – north wall – plaster basecoat	Negative	N/A	SPI
36a	1 <sup>st</sup> floor – kitchen – north wall – plaster skim coat	Negative	N/A	SPI
36b	1 <sup>st</sup> floor – kitchen – north wall – plaster basecoat	Negative	N/A	SPI
37a	2 <sup>nd</sup> floor – living room – east wall – plaster skim coat	Negative	N/A	SPI
37b	2 <sup>nd</sup> floor – living room – east wall – plaster basecoat	Negative	N/A	SPI
38a	Basement – stair – west wall – plaster skim coat	Negative	N/A	SPI
38b	Basement – stair – west wall – plaster basecoat	Negative	N/A	SPI
39	Basement – stair landing – top layer – orange linoleum	Negative	N/A	MFLo
40	Basement – stair landing – 2 <sup>nd</sup> layer – tan and black linoleum	Negative	N/A	MFLtk
41	Basement – 2' x 4' ceiling tile	Negative	N/A	MSCT24
42a	<b>Basement – on chimney top layer – green flue packing</b>	<b>Positive 5% Chrysotile</b>	<b>7 Sq. Ft.</b>	<b>TFP</b>
42b	Basement – on chimney 2 <sup>nd</sup> layer – white flue packing	Negative	N/A	TFP

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
42c	Basement – on chimney bottom layer – black flue packing	Positive 2% Chrysotile	7 Sq. Ft.	TFP
43	Basement – east side on ceiling beam – tape wrap	Positive 7% Chrysotile	25 Ln. Ft.	TTW

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

**Assumed Category I Non-Friable Asbestos Containing Material:**

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,200 Sq. Ft.
Roof	Garage	Asphalt Shingles & Flashing	400 Sq. Ft.
1 <sup>st</sup>	Kitchen/Pantry/Stair	Floor Tile & Mastic	280 Sq. Ft.
2 <sup>nd</sup>	Kitchen/Pantry/Stair/Bathroom	Floor Tile & Mastic	280 Sq. Ft.

**Homogeneous Material Codes**

SP1	Plaster
MFB	Fiberboard
MPT	Tar Paper
MPT2	Tar Paper #2
MSS	Shingle Siding
MDW	Drywall/Joint Compound
MPG	Window Glazing Compound
MFLI	Yellow Linoleum
MFLd	Gold Linoleum
MFLv	Olive Linoleum
MFLm	Multicolored Linoleum
MFLk	Black Linoleum
MFLo	Orange Linoleum
MFLtk	Tan & Black Linoleum
MWM	Wall Mastic
MCTMk	Black Ceramic Tile
MCTMw	White Ceramic Tile
MSCT24	2' x 4' Ceiling Tile
TDW	Duct Paper
TFP	Flue Packing
TTW	Tape Wrap

**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

**Floors covered with fire debris and only partially 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 & Family 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>  1  </u>	Oil Tanks – Basement
<u>  N/A  </u>	Well Abandonment
<u>  N/A  </u>	Junk Auto Tires
<u>  N/A  </u>	Junk Vehicles

\* 11 Gallons Paint, 2 Gas meters, & 1 Water Meter in Basement

## 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. 233882

Account Number: B929

Date Received: 04/07/2014

Received By: Joanna Mueller

Date Analyzed: 04/10/2014

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.4077

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 90	Tar
002	2	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 90	Tar
003	3	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 90	Tar
004	4	Homogeneous	Brown Siding	Asbestos Not Present	Cellulose 75	Tar Sand
005	5	Homogeneous	Brown Siding	Asbestos Not Present	Cellulose 75	Tar Sand
006	6	Homogeneous	Brown Siding	Asbestos Not Present	Cellulose 75	Tar Sand
007	7	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar

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. 233882	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/07/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/10/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.4077

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
009	9	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
010	10	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 50	Cellulose 40	Binder
011	11	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 50	Cellulose 40	Binder
012	12	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 50	Cellulose 40	Binder
013	13	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
014	14	Homogeneous	Brown Backing	Asbestos Not Present	Cellulose 100	

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### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 233882

Account Number: B929

Date Received: 04/07/2014

Received By: Joanna Mueller

Date Analyzed: 04/10/2014

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

Client: Harena Management Group

Jolene Harena

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.4077

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	15	Homogeneous	Brown Backing	Asbestos Not Present	Cellulose 100	
016	16	Homogeneous	Beige Window Glazing	Asbestos Present Chrysotile 4	NA	CaCO3 Paint
017	17	Homogeneous	Beige Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
018	18	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
019	19	Layered	White Joint Compound	Asbestos Not Present	Cellulose 70	CaCO3 Paint
019a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
020	20	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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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. 233882	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/07/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/10/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.4077

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
021	21	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
021a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
022	22	Homogeneous	Brown Sheet Vinyl	Asbestos Not Present	NA	Vinyl Foam
023	23	Homogeneous	Brown Sheet Vinyl	Asbestos Not Present	NA	Vinyl Foam
024	24	Homogeneous	Brown Sheet Vinyl	Asbestos Not Present	NA	Vinyl Foam
025	25	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 60	Tar Paint

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### Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 233882	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/07/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/10/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.4077

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
026	26	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 60	Tar Paint
027	27	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 75	Vinyl
028	28	Homogeneous	Gray Mastic	Asbestos Not Present	NA	Glue
029	29	Homogeneous	Black Linoleum	Asbestos Not Present	Cellulose 60	Tar
030	30	Homogeneous	Multi-Color Linoleum	Asbestos Not Present	Cellulose 60	Tar Paint
031	31	Layered	Brown Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
031a		Layered	Green Backing	Asbestos Not Present	Cellulose 100	

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### Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 233882	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/07/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/10/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.4077

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
032	32	Homogeneous	Black Ceramic Tile	Asbestos Not Present	NA	Clay
033	33	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
033a		Layered	Light Gray Grout	Asbestos Not Present	NA	Quartz Clay
034	34	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz Sand Paint
034a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
035	35	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz Sand Paint
035a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand

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### Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 233882

Account Number: B929

Date Received: 04/07/2014

Received By: Joanna Mueller

Date Analyzed: 04/10/2014

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

Client: Harena Management Group

Jolene Harena

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.4077

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
036	36	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz Sand Paint
036a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
037	37	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz Sand Paint
037a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
038	38	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz Sand Paint
038a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand

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### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 233882

Account Number: B929

Date Received: 04/07/2014

Received By: Joanna Mueller

Date Analyzed: 04/10/2014

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

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

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.4077

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
039	39	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 60	Tar Vinyl
040	40	Homogeneous	Black Linoleum	Asbestos Not Present	Cellulose 60	Tar Paint
041	41	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
042	42	Layered	Green Stucco	Asbestos Present Chrysotile 5	NA	Quartz Sand Paint
042a		Layered	White Stucco	Asbestos Not Present	NA	Quartz Sand
042b		Layered	Black Stucco	Asbestos Present Chrysotile 2	NA	Quartz Sand
043	43	Homogeneous	Beige Putty	Asbestos Present Chrysotile 7	NA	Silicone Foam

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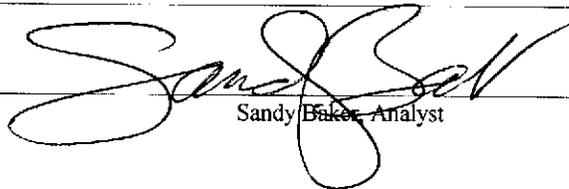


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### Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 233882	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/07/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/10/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.4077

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

				4/10/2014		
Sandy Baker, Analyst				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

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 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

www.QuanTEM.com

## LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

<b>Contact Information</b> Company: <b>Harenda Management Group</b> Contact: <b>Dean Jacobsen</b> Account #: <b>B929</b> Phone: <b>(414) 383-4800</b> Cell Phone: E-mail: <b>djacobsen@harenda.com</b> Date:		<b>Project Information</b> Project Name: <b>DNS</b> Project Location: <b>Milwaukee, WI</b> Project ID: <b>14-200-061.4077</b> P.O. Number:	
<b>For Lab Use Only</b> Lab No. <b>233882</b> <input checked="" type="radio"/> Accept <input type="radio"/> Reject		<b>Report Results (Check one box)</b> <input checked="" type="checkbox"/> QuanTEM Website <input type="checkbox"/> Other_email	

<b>RELINQUISHED BY</b> 	<b>DATE &amp; TIME</b> 4/4/14 1800	<b>VIA</b> FedEx	<b>RECEIVED BY</b> 	<b>DATE &amp; TIME</b> 4/7/14 10:30
----------------------------	---------------------------------------	---------------------	------------------------	--

### 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 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 checked="" type="checkbox"/> 3 - Day	<input type="checkbox"/> 5 - Day	
<input type="checkbox"/> 1000 Point Count	<input type="checkbox"/> NIOSH 7400	<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	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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For Lab Use Only  
 Lab No. 233082  
 Accept  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		<input checked="" type="checkbox"/>				
12		<input type="checkbox"/>				
13		<input type="checkbox"/>				
14		<input type="checkbox"/>				
15		<input type="checkbox"/>				
16		<input type="checkbox"/>				
17		<input type="checkbox"/>				
18		<input type="checkbox"/>				
19		<input type="checkbox"/>				
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 checked="" type="checkbox"/>				

Do Not Test Mastic





**ASBESTOS CHAIN OF CUSTODY**  
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 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058  
**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

For Lab Use Only
Lab No. <u>233882</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)	To Be Analyzed <input checked="" type="checkbox"/>	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	31	<input checked="" type="checkbox"/>				Do Not Test Mastic
32	32	<input type="checkbox"/>				
33	33	<input type="checkbox"/>				
34	34	<input type="checkbox"/>				
35	35	<input type="checkbox"/>				
36	36	<input type="checkbox"/>				
37	37	<input type="checkbox"/>				
38	38	<input type="checkbox"/>				
39	39	<input type="checkbox"/>				
40	40	<input type="checkbox"/>				
41	41	<input type="checkbox"/>				
42	42	<input type="checkbox"/>				
43	43	<input checked="" type="checkbox"/>				
44		<input type="checkbox"/>				
45		<input type="checkbox"/>				
46		<input type="checkbox"/>				
47		<input type="checkbox"/>				
48		<input type="checkbox"/>				
49		<input type="checkbox"/>				
50		<input type="checkbox"/>				

## **IX. HMG CERTIFICATION**



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen  
W1316781 Kipling Dr  
Monkego WI 53150-3401

		160 lbs	5' 08"
All-14370	Exp. 12/31/2014	12/12/1963	Male

Training due by: 12/01/2014

# 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

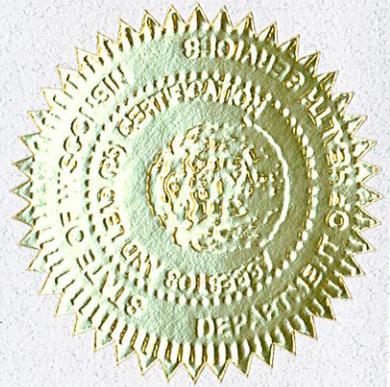
Asbestos Company - Primary

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 SNIP INSPECTION REPORT**  
**Job Site:**

**Two Family Dwelling**  
**2962 North 21<sup>st</sup> Street**  
**Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-061.2962**  
**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

**April 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 2962 North 21<sup>st</sup> Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, tar paper, duct paper, window glazing compound, drywall/joint compound, linoleum, ceramic tile, 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*.

## 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 April 2, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 2962 North 21<sup>st</sup> 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, texture, tar paper, duct paper, window glazing compound, drywall/joint compound, linoleum, ceramic tile, and flue packing. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – west wall wood siding – tar paper	Negative	N/A	MPT
2	Exterior – south wall wood siding – tar paper	Negative	N/A	MPT
3	Exterior – north wall wood siding – tar paper	Negative	N/A	MPT
4a	2 <sup>nd</sup> floor – kitchen – ceiling – joint compound	Negative	N/A	MDW
4b	2 <sup>nd</sup> floor – kitchen – ceiling – drywall	Negative	N/A	MDW
5a	1 <sup>st</sup> floor – kitchen – ceiling – joint compound	Negative	N/A	MDW
5b	1 <sup>st</sup> floor – kitchen – ceiling – drywall	Negative	N/A	MDW
6a	2 <sup>nd</sup> floor – hall – north wall – joint compound	Negative	N/A	MDW
6b	2 <sup>nd</sup> floor – hall – north wall – drywall	Negative	N/A	MDW
7a	2 <sup>nd</sup> floor – kitchen floor – top layer – white ceramic tile	Negative	N/A	MCTMw
7b	2 <sup>nd</sup> floor – kitchen floor – top layer – grout	Negative	N/A	MCTMw
<b>8</b>	<b>Basement – on chimney – flue packing</b>	<b>Positive 10% Chrysotile</b>	<b>6 Sq. Ft.</b>	<b>TFP</b>
<b>9</b>	<b>Basement – on floor south side – duct paper</b>	<b>Positive 60% Chrysotile</b>	<b>10 Sq. Ft.</b>	<b>TDW</b>
10	2 <sup>nd</sup> floor – kitchen – ceiling – texture	Negative	N/A	STX
11	2 <sup>nd</sup> floor – hall – east wall – texture	Negative	N/A	STX
12	2 <sup>nd</sup> floor – northeast bedroom – ceiling – texture	Negative	N/A	STX
13	Basement – west window – glazing compound	Negative	N/A	MPG
14	1 <sup>st</sup> floor – living room – west window – glazing compound	Negative	N/A	MPG
15	2 <sup>nd</sup> floor – living room – west window – glazing compound	Negative	N/A	MPG
16	2 <sup>nd</sup> floor – front stair – multicolored linoleum	Negative	N/A	MFLm
17	2 <sup>nd</sup> floor – living room – east wall – plaster	Negative	N/A	SPI
18	Attic – stair – north wall – plaster	Negative	N/A	SPI
19	1 <sup>st</sup> floor – dining room – north wall – plaster	Negative	N/A	SPI
20	2 <sup>nd</sup> floor – front stair – north wall – plaster	Negative	N/A	SPI
21	1 <sup>st</sup> floor – living room – west wall – plaster	Negative	N/A	SPI
22	Basement – south wall – plaster	Negative	N/A	SPI
23a	2 <sup>nd</sup> floor – dining room – west wall – patch layer	Negative	N/A	SPI
23b	2 <sup>nd</sup> floor – dining room – west wall – plaster	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	1,200 Sq. Ft.
1 <sup>st</sup>	Kitchen/Bathroom	Floor Tile & Mastic	650 Sq. Ft.
2 <sup>nd</sup>	Kitchen/Pantry/Stair/Hall	Floor Tile & Mastic	450 Sq. Ft.

#### Homogeneous Material Codes

SPI	Plaster
STX	Texture
MPT	Tar Paper
MDW	Drywall/Joint Compound
MPG	Window Glazing Compound
MFLm	Multicolored Linoleum
MCTMw	White Ceramic Tile
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:** Duct paper mixed with debris on basement floor. Additional duct paper may be on floor within debris and also within walls and ceilings.

## V. EXCLUSIONS

**All floors covered with debris and only partially 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 & Family 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>1</u>	Oil Tanks – Basement
<u>N/A</u>	Well Abandonment
<u>9</u>	Junk Auto Tires – Basement
<u>N/A</u>	Junk Vehicles

\* 2 Gas Meters in Basement

\* 20 Gallons Paint in Attic

## 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. 233770	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/03/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/08/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2962

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
002	2	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
003	3	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
004	4	Layered	White Joint Compound	Asbestos Not Present	Glass Fiber 25	CaCO3 Paint
004a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
005	5	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
005a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	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.



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

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 233770	Client: Harena Management Group
Account Number: B929	Jolene Harena
Date Received: 04/03/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/08/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2962

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006	6	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
006a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
007	7	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
007a		Layered	Dark Gray Grout	Asbestos Not Present	NA	Quartz Clay
008	8	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 10	NA	Quartz Binder
009	9	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
010	10	Homogeneous	White Ceiling 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 Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 233770	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/03/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/08/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2962

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
011	11	Homogeneous	White Ceiling Texture	Asbestos Not Present	NA	CaCO3 Paint
012	12	Homogeneous	White Ceiling Texture	Asbestos Not Present	NA	CaCO3 Paint
013	13	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
014	14	Homogeneous	Light Gray Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
015	15	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
016	16	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 60	Tar Paint
017	17	Homogeneous	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand Paint

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. 233770	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/03/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/08/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2962

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018	18	Homogeneous	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand Paint
019	19	Homogeneous	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand Paint
020	20	Homogeneous	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand Paint
021	21	Homogeneous	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand Paint
022	22	Homogeneous	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand Paint
023	23	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
023a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand

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.

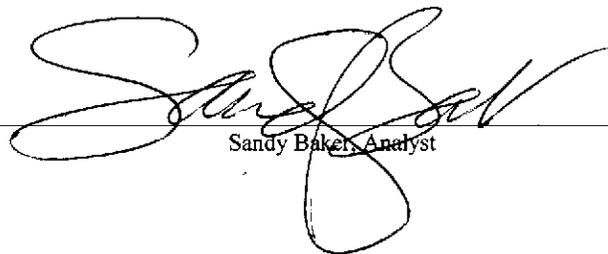


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### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 233770	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/03/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/08/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2962

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
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Sandy Baker, Analyst

4/8/2014  
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

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LABORATORIES  
 www.QuanTEM.com

## LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only  
 Lab No. 233770  
 Accept  Reject  
 Report Results  one box  
 QuanTEM Website  
 Other email \_\_\_\_\_

Contact Information		Project Information	
Company: <b>Hatenda Management Group</b>	Phone: <b>(414) 383-4800</b>	Project Name: <b>DNS</b>	
Contact: <b>Dean Jacobsen</b>	Cell Phone: _____	Project Location: <b>Milwaukee, WI</b>	
Account #: <b>B929</b>	E-mail: <b>djacobsen@hatenda.com</b>	Project ID: <b>14-200-061.2962</b>	
SAMPLED BY: _____	Date: _____	P.O. Number: _____	

RELINQUISHED BY <i>Dean Jacobsen</i>	DATE & TIME <b>4/2/14 1800</b>	VIA <b>FedEx</b>	RECEIVED BY <i>[Signature]</i>	DATE & TIME <b>4/3/14 10:00</b>
---	-----------------------------------	---------------------	-----------------------------------	------------------------------------

### REQUESTED SERVICES (Please check the Appropriate Boxes)

PLM	PLM	PLM	TEM	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- Quantitative [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"/> Dust- Presence / Absence	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input 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"/> Other		<input checked="" type="checkbox"/> 3 - Day	
<input type="checkbox"/> Particle ID		<input type="checkbox"/> Waste Water- EPA 600/4-83-043			<input type="checkbox"/> 5 - Day	

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"/>				Do Not Test/Analyze



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**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

Page 2 of 2

For Lab Use Only

Lab No. 233770

Accept  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"/>			Do Not Test Mastic
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 checked="" 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**



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen  
W1316781 Kipling Dr  
Monkego WI 53150-3401

		160 lbs	5' 08"
ALL-14370	Exp. 12/31/2014	12/12/1963	Male

Training due by: 12/01/2014

# 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

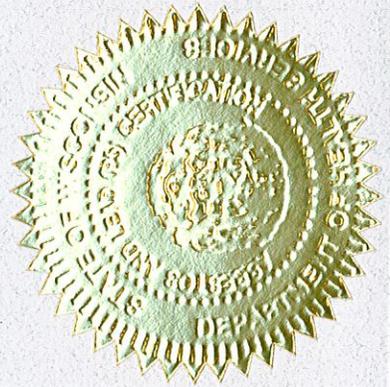
Asbestos Company - Primary

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 SNIP INSPECTION REPORT**

**Job Site:**

**Two Family Dwelling  
1826 North 27<sup>th</sup> Street  
Milwaukee, Wisconsin**

**For:**

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

**HMG Report No.: 14-200-061.1826**

**Contract No.: 360-14-0745**

\_\_\_\_\_  
Dean Jacobsen  
Asbestos Inspector No. AII – 14370

**Prepared by:**

**HARENDA MANAGEMENT GROUP**

1237 West Bruce Street  
Milwaukee, Wisconsin 53204

**March 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 1826 North 27<sup>th</sup> Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, tar paper, window glazing compound, ceiling tile, linoleum, drywall/joint compound, duct paper, 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*.

## 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 26, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 1826 North 27<sup>th</sup> 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 except where friable.
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, tar paper, window glazing compound, ceiling tile, linoleum, drywall/joint compound, duct paper, and flue packing. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – west 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
4	1 <sup>st</sup> floor – west window – glazing compound	Negative	N/A	MPG
5	Basement – north window – glazing compound	Negative	N/A	MPG
<b>6</b>	<b>1<sup>st</sup> floor – east window – glazing compound</b>	<b>Positive 3% Chrysotile</b>	<b>38 Windows</b>	<b>MPG</b>
7	1 <sup>st</sup> floor – southwest bedroom – 2' x 4' pinholed ceiling tile	Negative	N/A	MSCT24P
8	2 <sup>nd</sup> floor – kitchen – 2' x 4' pinholed ceiling tile	Negative	N/A	MSCT24P
9	Basement – 2' x 4' pinholed ceiling tile	Negative	N/A	MSCT24P
10	1 <sup>st</sup> floor – 2' x 4' smooth ceiling tile	Negative	N/A	MSCT24S
11	1 <sup>st</sup> floor – kitchen – top layer – green linoleum	Negative	N/A	MFLg
12	2 <sup>nd</sup> floor – kitchen – 4 <sup>th</sup> layer – green linoleum	Negative	N/A	MFLg
13	2 <sup>nd</sup> floor – bathroom – top layer – green linoleum	Negative	N/A	MFLg
<b>14</b>	<b>1<sup>st</sup> floor – bathroom ceiling – transite panel</b>	<b>Positive 30% Chrysotile</b>	<b>75 Sq. Ft.</b>	<b>MTP</b>
15	1 <sup>st</sup> floor – southeast bedroom – bottom layer – brown linoleum	Negative	N/A	MFLn
16a	1 <sup>st</sup> floor – southeast bedroom – west wall – joint compound	Negative	N/A	MDW
16b	1 <sup>st</sup> floor – southeast bedroom – west wall – joint compound layer 2	Negative	N/A	MDW
16c	1 <sup>st</sup> floor – southeast bedroom – west wall – drywall	Negative	N/A	MDW
17a	Attic – west side – west wall – joint compound	Negative	N/A	MDW
17b	Attic – west side – west wall – drywall	Negative	N/A	MDW
18a	Attic – stair – east wall – joint compound	Negative	N/A	MDW
18b	Attic – stair – east wall – drywall	Negative	N/A	MDW
19	2 <sup>nd</sup> floor – kitchen center – yellow linoleum	Negative	N/A	MFLI
20	2 <sup>nd</sup> floor – kitchen south side – yellow linoleum	Negative	N/A	MFLI
21	2 <sup>nd</sup> floor – kitchen west side – yellow linoleum	Negative	N/A	MFLI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
22a	2 <sup>nd</sup> floor – pantry under 2 layers floor tile – multicolored linoleum <i>Quantity includes countertop</i>	Positive 8% Chrysotile	35 Sq. Ft.	MFLm
22b	2 <sup>nd</sup> floor – pantry under linoleum – tar paper	Negative	N/A	MFLm
23a	2 <sup>nd</sup> floor – southeast bedroom – under carpet – olive linoleum	Negative	N/A	MFLo
23b	2 <sup>nd</sup> floor – southeast bedroom – under linoleum – tar paper	Negative	N/A	MFLo
24	2 <sup>nd</sup> floor – bathroom – 2' x 2' ceiling tile	Negative	N/A	MSCT22
25	2 <sup>nd</sup> floor – bathroom – on wall under panel – mastic	Negative	N/A	MWM
26	2 <sup>nd</sup> floor – dining room – south wall – texture	Negative	N/A	STX
27	1 <sup>st</sup> floor – living room – south wall – texture	Negative	N/A	STX
28	2 <sup>nd</sup> floor – living room – north wall – texture	Negative	N/A	STX
29	2 <sup>nd</sup> floor – living room – north wall – plaster	Negative	N/A	SPI
30a	Basement – stair – east wall – plaster skim coat	Negative	N/A	SPI
30b	Basement – stair – east wall – plaster base coat	Negative	N/A	SPI
31a	2 <sup>nd</sup> floor – dining room – south wall – plaster skim coat	Negative	N/A	SPI
31b	2 <sup>nd</sup> floor – dining room – south wall – plaster base coat	Negative	N/A	SPI
32	1 <sup>st</sup> floor – southeast bedroom – south wall – plaster	Negative	N/A	SPI
33a	1 <sup>st</sup> floor – southwest bedroom – east wall – plaster skim coat	Negative	N/A	SPI
33b	1 <sup>st</sup> floor – southwest bedroom – east wall – plaster base coat	Negative	N/A	SPI
34	Basement – north side – duct paper	Positive 80% Chrysotile	90 Sq. Ft.	TDW
35	Basement – west side – duct paper	Positive 80% Chrysotile	Reference Sample 34	TDW
36	Basement – south side – duct paper	Positive 80% Chrysotile	Reference Sample 34	TDW
37	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	900 Sq. Ft.
1 <sup>st</sup>	Kitchen/Bathroom/Bedroom	Floor Tile & Mastic	350 Sq. Ft.
2 <sup>nd</sup>	Bathroom/Bedroom/Stair	Floor Mastic	140 Sq. Ft.
2 <sup>nd</sup>	Kitchen/Pantry	Floor Tile & Mastic	600 Sq. Ft.

### Homogeneous Material Codes

SPI	Plaster
STX	Texture
MPT	Tar Paper
MPG	Glazing Compound
MSCT24P	2' x 4' Pinholed Ceiling Tile

### Homogeneous Material Codes

MSCT24S	2' x 4' Smooth Ceiling Tile
MSCT22	2' x 2' Ceiling Tile
MFLg	Green Linoleum
MFLn	Brown Linoleum
MFLI	Yellow Linoleum
MFLk	Black Linoleum
MFLm	Multicolored Linoleum
MFLv	Olive Linoleum
MTP	Transite
MDW	Drywall
MWM	Wall Mastic
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:** 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 & Family 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>2</u>	<b>Refrigerators</b> , Freezers, Chillers – 1 <sup>st</sup> & 2 <sup>nd</sup> Floor Kitchen
<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 – 3 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>4</u>	Junk Auto Tires – Exterior, Basement
<u>N/A</u>	Junk Vehicles

\* 2 Gas Meters on Exterior

\* 2 Quarts Motor Oil, 55 Gallons Paint, and 5 Gallons Tar in Basement

## 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. 233468	Client: Harendra Management Group
Account Number: B929	Jolene Harendra
Date Received: 03/27/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/01/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.1826

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Composite	Tan/Black Paper	Asbestos Not Present	Cellulose 80	Tar
002	2	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 95	
003	3	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
004	4	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
005	5	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
006	6	Homogeneous	Light Gray Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3 Paint
007	7	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite 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. 233468	Client: Harendra Management Group
Account Number: B929	Jolene Harendra
Date Received: 03/27/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/01/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.1826

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite Paint
009	9	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite Paint
010	10	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite Paint
011	11	Homogeneous	Teal Flooring	Asbestos Not Present	NA	Vinyl
012	12	Layered	Teal Flooring	Asbestos Not Present	NA	Vinyl
012a		Layered	Green/White Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
013	13	Homogeneous	Teal Flooring	Asbestos Not Present	NA	Vinyl

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### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 233468

Account Number: B929

Date Received: 03/27/2014

Received By: Joanna Mueller

Date Analyzed: 04/01/2014

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.1826

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Homogeneous	Gray Transite	Asbestos Present Chrysotile 30	NA	CaCO3 Paint
015	15	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 60	Tar Paint
016	16	Layered	White Ceiling Texture	Asbestos Not Present	NA	Foam CaCO3 Paint
016a		Layered	Cream Ceiling Texture	Asbestos Not Present	NA	CaCO3 Paint
016b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
017	17	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
017a		Layered	White Sheetrock	Asbestos Not Present	NA	Gypsum

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### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 233468

Account Number: B929

Date Received: 03/27/2014

Received By: Joanna Mueller

Date Analyzed: 04/01/2014

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.1826

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018	18	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
018a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
019	19	Homogeneous	Cream Sheet Vinyl	Asbestos Not Present	Cellulose 25 Glass Fiber 5	Vinyl Foam
020	20	Homogeneous	Cream Sheet Vinyl	Asbestos Not Present	Cellulose 25 Glass Fiber 5	Vinyl Foam
021	21	Homogeneous	Cream Sheet Vinyl	Asbestos Not Present	Cellulose 25 Glass Fiber 5	Vinyl Foam
022	22	Layered	Multi-Color Flooring	Asbestos Present Chrysotile 8	Cellulose 4	Vinyl
022a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 55	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. 233468

Account Number: B929

Date Received: 03/27/2014

Received By: Joanna Mueller

Date Analyzed: 04/01/2014

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.1826

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023	23	Layered	Green Linoleum	Asbestos Not Present	Cellulose 60	Vinyl Tar
023a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
024	24	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
025	25	Homogeneous	Dark Brown Mastic	Asbestos Not Present	NA	Gluc
026	26	Homogeneous	White Ceiling Texture	Asbestos Not Present	NA	CaCO3 Paint
027	27	Layered	White Ceiling Texture	Asbestos Not Present	NA	CaCO3 Paint
027a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3

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### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 233468	Client: Harena Management Group
Account Number: B929	Jolene Harena
Date Received: 03/27/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/01/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.1826

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
027b		Layered	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand
028	28	Homogeneous	White Ceiling Texture	Asbestos Not Present	NA	CaCO3 Paint
029	29	Homogeneous	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand Paint
030	30	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
030a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand
031	31	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
031a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand

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. 233468	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 03/27/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/01/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.1826

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
032	32	Homogeneous	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand
033	33	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
033a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand
034	34	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 80	Cellulose 15	
035	35	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 80	Cellulose 15	
036	36	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 80	Cellulose 15	
037	37	Homogeneous	Gray Stucco	Asbestos Not Present	NA	Quartz Sand

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

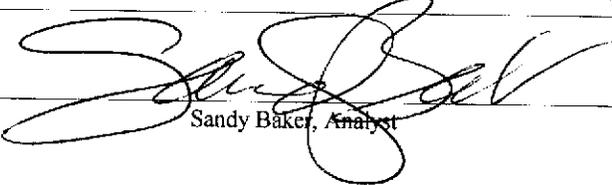
Quantem is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP 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. 233468	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 03/27/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/01/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.1826

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
 Sandy Baker, Analyst				4/1/2014		
				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

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For Lab Use Only  
 Lab No. 233468  
 Accept  Reject

Report Results  one box  
 QuanTEM Website  
 Other\_email

**Contact Information**  
 Company: Harenda Management Group Phone: (414) 383-4800  
 Contact: Dean Jacobsen Cell Phone:  
 Account #: B929 E-mail: djacobsen@harenda.com  
 Project Name: DNS  
 Project Location: Milwaukee, WI  
 Project ID: 14-200-061.1826  
 P.O. Number:

**RELINQUISHED BY** Dean Jacobsen **DATE & TIME** 3/26/14 1800 **VIA** FedEx **RECEIVED BY** J. Muth **DATE & TIME** 3/27/14 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	<b>PCM</b>	<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 checked="" 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 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>23346</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

Project Information		Project Name: DNS		Project Location: Milwaukee, WI		
Company: Harenda Management Group		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 / Astic
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"/>				



**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>255468</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)	To Be Analyzed <input checked="" type="checkbox"/>	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"/>				
36	36	<input type="checkbox"/>				
37	37	<input checked="" type="checkbox"/>				
38		<input type="checkbox"/>				
39		<input type="checkbox"/>				
40		<input type="checkbox"/>				
41		<input type="checkbox"/>				
42		<input type="checkbox"/>				
43		<input type="checkbox"/>				
44		<input type="checkbox"/>				
45		<input type="checkbox"/>				
46		<input type="checkbox"/>				
47		<input type="checkbox"/>				
48		<input type="checkbox"/>				
49		<input type="checkbox"/>				
50		<input type="checkbox"/>				

## **IX. HMG CERTIFICATION**



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T. Jacobsen  
W1316781 Kipling Dr  
Monkego WI 53150-3401

		160 lbs	5' 08"
ALL-14370	Exp. 12/31/2014	12/12/1963	Male

Training due by: 12/01/2014

# 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

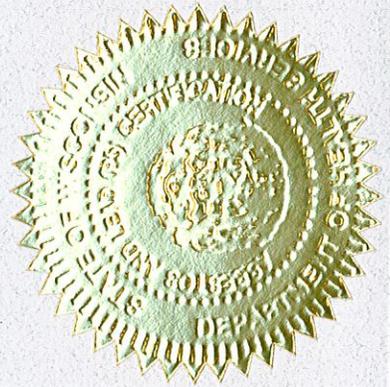
Asbestos Company - Primary

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 SNIP INSPECTION REPORT**

**Job Site:**

**Fire Damaged  
Two Family Dwelling  
3229 North 28<sup>th</sup> Street  
Milwaukee, Wisconsin**

**For:**

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

**HMG Report No.: 14-200-061.3229  
Contract No.: 360-14-0745**

Dean Jacobsen  
Asbestos Inspector No. AII – 14370

Prepared by:

**HARENDA MANAGEMENT GROUP**  
1237 West Bruce Street  
Milwaukee, Wisconsin 53204

**February 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 3229 North 28<sup>th</sup> Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, linoleum, ceramic tile, fiberboard, flue packing, drywall/joint compound, window glazing compound, ceiling tile, 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*.

## 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 17, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 3229 North 28<sup>th</sup> 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, texture, linoleum, ceramic tile, fiberboard, flue packing, drywall/joint compound, window glazing compound, ceiling tile, and duct paper. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-3229	1 <sup>st</sup> floor – front entry – south wall – plaster	Negative	N/A	SPI
2-3229a	1 <sup>st</sup> floor – living room – west wall – patch layer	Negative	N/A	SPI
2-3229b	1 <sup>st</sup> floor – living room – west wall – plaster	Negative	N/A	SPI
3-3229	1 <sup>st</sup> floor – kitchen – south wall – plaster	Negative	N/A	SPI
4-3229	2 <sup>nd</sup> floor – north bedroom – west wall – plaster	Negative	N/A	SPI
5-3229	2 <sup>nd</sup> floor – southwest bedroom – west wall – plaster	Negative	N/A	SPI
6-3229a	2 <sup>nd</sup> floor – living room – east wall – patch layer	Negative	N/A	SPI
6-3229b	2 <sup>nd</sup> floor – living room – east wall – plaster	Negative	N/A	SPI
7-3229a	2 <sup>nd</sup> floor – dining room – south wall – patch layer	Negative	N/A	SPI
7-3229b	2 <sup>nd</sup> floor – dining room – south wall – plaster	Negative	N/A	SPI
8-3229	1 <sup>st</sup> floor – dining room – on north wall – wall paper	Negative	N/A	MWP
9-3229	2 <sup>nd</sup> floor – dining room – on north wall – wall paper #2	Negative	N/A	MWP2
10-3229	1 <sup>st</sup> floor – bathroom – top layer – cream linoleum	Negative	N/A	MFLc
11-3229	1 <sup>st</sup> floor – hall – yellow linoleum	Negative	N/A	MFLl
12-3229	2 <sup>nd</sup> floor – kitchen floor – multicolored ceramic tile	Negative	N/A	MCTMm
13-3229	1 <sup>st</sup> floor – bathroom – near tub – white linoleum	Negative	N/A	MFLw
14-3229	1 <sup>st</sup> floor – bathroom – west wall – texture	Negative	N/A	STX
15-3229a	1 <sup>st</sup> floor – kitchen – ceiling – texture layer 1	Negative	N/A	STX
15-3229b	1 <sup>st</sup> floor – kitchen – ceiling – texture layer 2	Negative	N/A	STX
16-3229	2 <sup>nd</sup> floor – kitchen – south wall – texture layer 1	Negative	N/A	STX
17-3229	1 <sup>st</sup> floor – kitchen – on south wall – tan and brown ceramic tile	Negative	N/A	MCTMtn
18-3229	1 <sup>st</sup> floor – bathroom – on west wall – brown ceramic tile	Negative	N/A	MCTMn
19-3229	1 <sup>st</sup> floor – kitchen – on south wall – blue and cream ceramic tile	Negative	N/A	MCTMbc
20-3229a	1 <sup>st</sup> floor – pantry – top layer – gray linoleum	Negative	N/A	MFLy
20-3229b	1 <sup>st</sup> floor – pantry – 2 <sup>nd</sup> layer – brown linoleum	Negative	N/A	MFLn
21-3229	Basement – on north side of chimney – white flue packing	Negative	N/A	TFPw
22-3229	Basement – on south side of chimney – gray flue packing	Negative	N/A	TFPy

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
23-3229	1 <sup>st</sup> floor – living room – east window – glazing compound	Negative	N/A	MPG
24-3229	2 <sup>nd</sup> floor – dining room – south window – glazing compound	Negative	N/A	MPG
25-3229	Basement – west window – glazing compound	Negative	N/A	MPG
26-3229	1 <sup>st</sup> floor – hall – on wall – drywall	Negative	N/A	MDW
<b>27-3229</b>	<b>1<sup>st</sup> floor – bathroom – bottom layer – tan and brown linoleum</b>	<b>Positive 25% Chrysotile</b>	<b>25 Sq. Ft.</b>	<b>MFLtn</b>
29-3229a	2 <sup>nd</sup> floor – bathroom floor – gray and blue ceramic tile	Negative	N/A	MCTMyb
29-3229b	2 <sup>nd</sup> floor – bathroom floor – grout	Negative	N/A	MCTMyb
<b>30-3229</b>	<b>2<sup>nd</sup> floor – bathroom closet – tan linoleum</b>	<b>Positive 25% Chrysotile</b>	<b>10 Sq. Ft.</b>	<b>MFLt</b>
31-3229a	2 <sup>nd</sup> floor – bathroom – on walls – blue ceramic tile	Negative	N/A	MCTMb
31-3229b	2 <sup>nd</sup> floor – bathroom – on walls – grout	Negative	N/A	MCTMb
32-3119	Basement – northeast corner – 1' x 1' ceiling tile	Negative	N/A	MSCT11
<b>33-3119</b>	<b>Basement – on boots and return – duct paper</b>	<b>Positive 65% Chrysotile</b>	<b>5 Sq. Ft.</b>	<b>TDW</b>
34-3229	1 <sup>st</sup> floor – bathroom – ceiling – texture #2	Negative	N/A	STX2

**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	1,200 Sq. Ft.
1 <sup>st</sup>	Hall/Bathroom/Kitchen	Floor Tile & Mastic	170 Sq. Ft.
2 <sup>nd</sup>	Kitchens/Stair/Hall/Bathroom	Floor Tile & Mastic	350 Sq. Ft.

### Homogeneous Material Codes

SPI	Plaster
STX	Texture
STX2	Texture #2
MWP	Wall Paper
MWP2	Wall Paper #2
MFLc	Cream Linoleum
MFLl	Yellow Linoleum
MFLw	White Linoleum
MFLy	Gray Linoleum
MFLn	Brown Linoleum
MFLtn	Tan & Brown Linoleum
MFLt	Tan Linoleum
MCTMm	Multicolored Ceramic Tile
MCTMtn	Tan & Brown Ceramic Tile
MCTMn	Brown Ceramic Tile
MCTMbc	Blue & Cream Ceramic Tile
MCTMyb	Gray & Blue Ceramic Tile
MCTMb	Blue Ceramic Tile
MDW	Drywall
MPG	Glazing Compound
MSCT11	1' x 1' Ceiling Tile

TFPw	White Flue Packing
TFPy	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

**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 & Family 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 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 – 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>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. 232053	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/18/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 02/19/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.3229

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
002	2	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
002a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
003	3	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
004	4	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
005	5	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
006	6	Layered	White Texture	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.



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

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 232053	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
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Date Analyzed: 02/19/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.3229

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
007	7	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
007a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
008	8	Homogeneous	Tan Mastic	Asbestos Not Present	NA	Glue
009	9	Homogeneous	Tan Mastic	Asbestos Not Present	NA	Glue
010	10	Homogeneous	White Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
011	11	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl

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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.	232053	Client:	Harenda Management Group
Account Number:	B929		Jolene Harenda
Date Received:	02/18/2014		1237 West Bruce St.
Received By:	Sherrie Leftwich		Milwaukee, WI 53204
Date Analyzed:	02/19/2014	Project:	DNS
Analyzed By:	Gayle Ooten	Project Location:	Milwaukee, WI
Methodology:	EPA/600/R-93/116	Project Number:	14-200-061.3229

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012	12	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
013	13	Layered	White Flooring	Asbestos Not Present	NA	Vinyl
013a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue
014	14	Homogeneous	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
015	15	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
015a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
016	16	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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### Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 232053	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
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Date Analyzed: 02/19/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.3229

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
017	17	Homogeneous	Cream Ceramic Tile	Asbestos Not Present	NA	Clay
018	18	Homogeneous	Brown Ceramic Tile	Asbestos Not Present	NA	Clay
019	19	Homogeneous	White Ceramic Tile	Asbestos Not Present	NA	Clay
020	20	Layered	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
020a		Layered	Brown Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar
021	21	Homogeneous	White Surfacing	Asbestos Not Present	Cellulose <1	Gypsum CaCO3 Paint
022	22	Homogeneous	Gray Stucco	Asbestos Not Present	NA	Quartz CaCO3

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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. 232053

Account Number: B929

Date Received: 02/18/2014

Received By: Sherrie Leftwich

Date Analyzed: 02/19/2014

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.3229

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023	23	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3
024	24	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
025	25	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
026	26	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum

Gayle Ooten, Analyst

2/19/2014

Date of Report

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

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LABORATORIES  
www.QuanTEM.com

# ASBESTOS CHAIN OF CUSTODY

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

For Lab Use Only  
Lab No. 232053  
 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: 14-200-061-3229	
SAMPLED BY: [Signature]	Name:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
[Signature]	2/17/14 1800	FedEx	[Signature]	2/18/14 10:00

## REQUESTED SERVICES (Please check the Appropriate Boxes)

	PLM		TEM		TEM		TURNAROUND TIME
	Bulk Analysis (EPA 600/R-93/116)	400 Point Count	Air- AHERA	Air- NIOSH 7402	Bulk- Presence / Absence EPA600/R-93/116	Bulk- Quantitative [weight%]- Chatfield	
<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 checked="" type="checkbox"/>	24 - Hour
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input 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	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"/>			Do Not Test Asbestos



# 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>232453</u>	Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Project Information			Project Location:	Project Name:		
Company: Harenda Management Group			Milwaukee, WI	DNS		
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/Notice
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"/>				Do Not Test/Notice
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 checked="" 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. 232156

Account Number: B929

Date Received: 02/20/2014

Received By: Joanna Mueller

Date Analyzed: 02/21/2014

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

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

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.3229

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	27	Homogeneous	Tan Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
002	29	Layered	Light Blue Ceramic Tile	Asbestos Not Present	NA	Clay
002a		Layered	Gray Grout	Asbestos Not Present	NA	CaCO3
003	30	Homogeneous	Tan Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
004	31	Layered	Blue Ceramic Tile	Asbestos Not Present	NA	Clay
004a		Layered	White Grout	Asbestos Not Present	NA	CaCO3
005	32	Homogeneous	Brown/White Fiberboard	Asbestos Not Present	Cellulose 80	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

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

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.3229

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006	33	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 65	Cellulose 20	Binder
007	34	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint

Gayle Ooten, Analyst

2/21/2014

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

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 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

## LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only  
 Lab No. 232156  
 Accept  Reject

Report Results ( one box)  
 QuanTEM Website  
 Other email \_\_\_\_\_

**Project Information**  
 Project Name: DNS  
 Project Location: Milwaukee, WI  
 Project ID: 14-200-061.3229  
 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	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Dean Jacobsen</i>	<u>2/19/14 1800</u>	<u>FedEx</u>	<i>J. Mueller</i>	<u>2/20/14 10:00</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"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input checked="" type="checkbox"/> 24 - Hour
<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"/> 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 type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1	<u>27</u>	<input checked="" type="checkbox"/>			
2	<u>29</u>	<input type="checkbox"/>			
3	<u>30</u>	<input type="checkbox"/>			
4	<u>31</u>	<input type="checkbox"/>			
5	<u>32</u>	<input type="checkbox"/>			
6	<u>33</u>	<input type="checkbox"/>			
7	<u>34</u>	<input checked="" type="checkbox"/>			<u>Do Not Test/Analyze</u>
8		<input type="checkbox"/>			
9		<input type="checkbox"/>			
10		<input type="checkbox"/>			

## **IX. HMG CERTIFICATION**



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T. Jacobsen  
W1316781 Kipling Dr  
Monkego WI 53150-3401

		160 lbs	5' 08"
ALL-14370	Exp. 12/31/2014	12/12/1963	Male

Training due by: 12/01/2014

# 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 SNIP INSPECTION REPORT**

**Job Site:**

**Two Family Dwelling  
5060 North 32<sup>nd</sup> Street  
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-061.5060  
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

**March 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 5060 North 32<sup>nd</sup> Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, tar paper, window glazing compound, linoleum, duct paper, drywall/joint compound, ceiling tile, and ceramic tile 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 March 26, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 5060 North 32<sup>nd</sup> 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, texture, tar paper, window glazing compound, linoleum, duct paper, drywall/joint compound, ceiling tile, and ceramic tile. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – north wall under wood siding – tar paper	Negative	N/A	MPT
2	Exterior – east wall under wood siding – tar paper	Negative	N/A	MPT
3	Exterior – west wall under wood siding – tar paper	Negative	N/A	MPT
4	1 <sup>st</sup> floor – kitchen – east window – glazing compound	Negative	N/A	MPG
5	Basement – north window – glazing compound	Negative	N/A	MPG
6	2 <sup>nd</sup> floor – kitchen – north window – glazing compound	Negative	N/A	MPG
7	1 <sup>st</sup> floor – front entry – top layer – brown and orange linoleum	Negative	N/A	MFLno
8	1 <sup>st</sup> floor – front entry – bottom layer – brown linoleum	Negative	N/A	MFLn
8	2 <sup>nd</sup> floor – kitchen – 2' x 4' pinholed ceiling tile	Negative	N/A	MSCT24P
9	<b>Basement – on duct – duct paper</b>	<b>Positive 70% Chrysotile</b>	<b>3 Sq. Ft.</b>	<b>TDW</b>
10	<b>Basement – storage area – top layer under carpet – tan and green linoleum</b>	<b>Positive 20% Chrysotile</b>	<b>100 Sq. Ft.</b>	<b>MFLtg</b>
11	Basement – storage area – bottom layer – tan and brown linoleum	Negative	N/A	MFLn
12	<b>1<sup>st</sup> floor – stair – under floor tile – yellow linoleum</b>	<b>Positive 25% Chrysotile</b>	<b>300 Sq. Ft.</b>	<b>MFLI</b>
13	<b>1<sup>st</sup> floor – kitchen west side – under floor tile – yellow linoleum</b>	<b>Positive 25% Chrysotile</b>	<b>Reference Sample 12</b>	<b>MFLI</b>
14	<b>1<sup>st</sup> floor – kitchen east side – under floor tile – yellow linoleum</b>	<b>Positive 25% Chrysotile</b>	<b>Reference Sample 12</b>	<b>MFLI</b>
15	1 <sup>st</sup> floor – dining room – on arch – texture	Negative	N/A	STX
16a	1 <sup>st</sup> floor – bedroom – south wall – patch layer	Negative	N/A	SPI
16b	1 <sup>st</sup> floor – bedroom – south wall – plaster	Negative	N/A	SPI
17	1 <sup>st</sup> floor – kitchen – south wall – plaster	Negative	N/A	SPI
18	1 <sup>st</sup> floor – living room – north wall – plaster	Negative	N/A	SPI
19	2 <sup>nd</sup> floor – kitchen – north wall – plaster	Negative	N/A	SPI
20	2 <sup>nd</sup> floor – stair – south wall – plaster	Negative	N/A	SPI
21a	1 <sup>st</sup> floor – south bedroom – ceiling – joint compound	Negative	N/A	MDW
21b	1 <sup>st</sup> floor – south bedroom – ceiling – drywall	Negative	N/A	MDW

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
22a	1 <sup>st</sup> floor – south bedroom – ceiling – joint compound	Negative	N/A	MDW
22b	1 <sup>st</sup> floor – kitchen – ceiling – drywall	Negative	N/A	MDW
24	1 <sup>st</sup> floor – bathroom – 2' x 4' ceiling tile	Negative	N/A	MSCT24
25a	1 <sup>st</sup> floor – bathroom floor – white ceramic tile	Negative	N/A	MCTMw
25b	1 <sup>st</sup> floor – bathroom floor – grout	Negative	N/A	MCTMw
26a	1 <sup>st</sup> floor – bathroom wallbase – white ceramic tile #2	Negative	N/A	MCTMw2
26b	1 <sup>st</sup> floor – bathroom wallbase – grout	Negative	N/A	MCTMw2
27	2 <sup>nd</sup> floor – living room - north wall – texture #2	Negative	N/A	STX2
28	2 <sup>nd</sup> floor – living room – west wall – texture #2	Negative	N/A	STX2
29	2 <sup>nd</sup> floor – living room – south wall – texture #2	Negative	N/A	STX2
30a	2 <sup>nd</sup> floor – bathroom – yellow and white linoleum	Positive 25% Chrysotile	250 Sq. Ft.	MFLlw
30b	2 <sup>nd</sup> floor – bathroom – bottom layer – tar paper	Negative	N/A	MFLlw
31	2 <sup>nd</sup> floor – kitchen – yellow and white linoleum	Positive 25% Chrysotile	Reference Sample 30	MFLlw
32	2 <sup>nd</sup> floor – closet – yellow and white linoleum	Negative	N/A	MFLlw

**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	900 Sq. Ft.
1 <sup>st</sup>	Entry/Dining Room/Kitchen/Stair	Floor Tile & Mastic	530 Sq. Ft.
1 <sup>st</sup>	Bathroom	Wall Mastic	150 Sq. Ft.
2 <sup>nd</sup>	Kitchen/Pantry	Floor Tile & Mastic	600 Sq. Ft.

#### Homogeneous Material Codes

SPI	Plaster
STX	Texture
STX2	Texture #2
MPT	Tar Paper
MPG	Glazing Compound
MFLno	Brown & Orange Linoleum
MFLn	Brown Linoleum
MFLl	Yellow Linoleum
MFLtg	Tan & Green Linoleum
MFLtn	Tan & Brown Linoleum
MFLlw	Yellow & White Linoleum
MSCT24	2' x 4' Ceiling Tile
MCTMw	White Ceramic Tile
MCTMw2	White Ceramic Tile #2
MDW	Drywall
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

**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 & Family 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**

<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. 233469	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 03/27/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/01/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.5060

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
002	2	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
003	3	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
004	4	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
005	5	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
006	6	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
007	7	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar

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. 233469	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 03/27/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/01/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.5060

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar
009	9	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 70	Cellulose 25	Binder
010	10	Homogeneous	Multi-Color Sheet Vinyl	Asbestos Present Chrysotile 20	NA	Vinyl
011	11	Homogeneous	Yellow Linoleum	Asbestos Not Present	Cellulose 25	Tar
012	12	Homogeneous	Tan Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
013	13	Homogeneous	Tan Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
014	14	Homogeneous	Tan Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl

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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Methodology: EPA/600/R-93/116	Project Number: 14-200-061.5060

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	15	Homogeneous	White Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
016	16	Layered	Tan Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
016a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
017	17	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
018	18	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
019	19	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
020	20	Homogeneous	Gray Plaster	Asbestos Not Present	Cellulose 3	Quartz Gypsum

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Methodology: EPA/600/R-93/116	Project Number: 14-200-061.5060

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
021	21	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
021a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
022	22	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
022a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
023	24	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
024	25	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
024a		Layered	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3

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### Polarized Light Microscopy Asbestos Analysis Report

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Date Analyzed: 04/01/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.5060

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
025	26	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
025a		Layered	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
026	27	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
027	28	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
028	29	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
029	30	Layered	Yellow Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
029a		Layered	White Floor Tile	Asbestos Present Chrysotile 4	NA	Vinyl CaCO3

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: 14-200-061.5060

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
029b		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
030	31	Homogeneous	Yellow Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
031	32	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar

Gayle Ooten, Analyst

4/1/2014  
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. 233469  
 Accept  Reject  
 Report Results ( one box)  
 QuanTEM Website  
 Other\_email

**Contact Information**  
 Company: Harenda Management Group Phone: (414) 383-4800  
 Contact: Dean Jacobsen Cell Phone:  
 Account #: B929 E-mail: djacobsen@harenda.com  
 Project Name: DNS  
 Project Location: Milwaukee, WI  
 Project ID: 14-200-061-5060  
 P.O. Number:

**RELINQUISHED BY** Dean Jacobsen **DATE & TIME** 3/26/14 1800 **VIA** FedEx **RECEIVED BY** J. Mueller **DATE & TIME** 3/27/14 10:00

**REQUESTED SERVICES (Please check the Appropriate Boxes)**

PLM	PLM	PLM	TEM	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- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Rush	<input type="checkbox"/> Same Day
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> 24 - Hour	<input type="checkbox"/> 3 - Day
<input type="checkbox"/> 1000 Point Count	<b>PCM</b>	<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> 3 - Day	<input type="checkbox"/> 5 - Day
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Drinking Water- EPA 100.2				
<input type="checkbox"/> Particle ID		<input type="checkbox"/> Waste Water- EPA 600/4-83-043				

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"/>				

Do Not Test Mastie



**ASBESTOS CHAIN OF CUSTODY**  
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Page 2 of 3

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Lab No. 2233469

Accept  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
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	24	<input type="checkbox"/>				
24	25	<input type="checkbox"/>				
25	26	<input type="checkbox"/>				
26	27	<input type="checkbox"/>				
27	28	<input type="checkbox"/>				
28	29	<input type="checkbox"/>				
29	30	<input type="checkbox"/>				
30	31	<input checked="" type="checkbox"/>				

Do Not Test Mastic



**ASBESTOS CHAIN OF CUSTODY**  
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**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

For Lab Use Only
Lab No. <u>233469</u>
Accept <u>[Signature]</u> Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	31				Do Not Test Material
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					

## **IX. HMG CERTIFICATION**



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen  
W1316781 Kipling Dr  
Monkego WI 53150-3401

		160 lbs	5' 08"
ALL-14370	Exp. 12/31/2014	12/12/1963	Male

Training due by: 12/01/2014

# 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

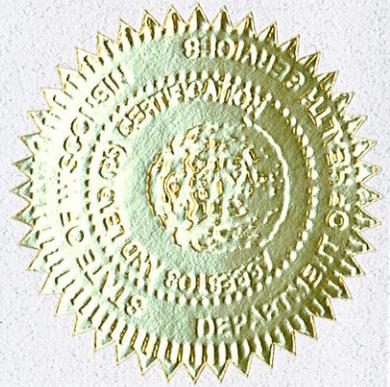
Asbestos Company - Primary

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 SNIP INSPECTION REPORT**

**Job Site:**

**Fire Damaged  
Two Family Dwelling  
2748 North 34<sup>th</sup> Street  
Milwaukee, Wisconsin**

**For:**

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

**HMG Report No.: 14-200-061.2748  
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

**April 2014**

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III. The Laboratory.....2  
A. Method of Analysis

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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 2748 North 34<sup>th</sup> Street, Milwaukee, Wisconsin.

The inspection included plaster, stucco, tar paper, window glazing compound, drywall/joint compound, linoleum, ceramic tile, 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*.

## 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 April 2, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 2748 North 34<sup>th</sup> 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, stucco, tar paper, window glazing compound, drywall/joint compound, linoleum, ceramic tile, and flue packing. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – west wall wood siding – tar paper	Negative	N/A	MPT
2	Exterior – south wall wood siding – tar paper	Negative	N/A	MPT
3	Exterior – east wall wood siding – tar paper	Negative	N/A	MPT
4	Exterior – on southwest corner wall – stucco patch	Negative	N/A	STC
<b>5</b>	<b>Basement – south window – glazing compound</b>	<b>Positive 6% Chrysotile</b>	<b>22 Windows</b>	<b>MPG</b>
<b>5B</b>	<b>1<sup>st</sup> floor – kitchen – south window – glazing compound</b>	<b>Positive 6% Chrysotile</b>	<b>Reference Sample 5</b>	<b>MPG</b>
<b>5C</b>	<b>2<sup>nd</sup> floor – kitchen – east window – glazing compound</b>	<b>Positive 5% Chrysotile</b>	<b>Reference Sample 5</b>	<b>MPG</b>
6a	1 <sup>st</sup> floor – dining room – ceiling – joint compound	Negative	N/A	MDW
6b	1 <sup>st</sup> floor – dining room – ceiling – drywall	Negative	N/A	MDW
7a	2 <sup>nd</sup> floor – living room – south wall – joint compound	Negative	N/A	MDW
7b	2 <sup>nd</sup> floor – living room – south wall – drywall	Negative	N/A	MDW
8a	1 <sup>st</sup> floor – kitchen – ceiling – joint compound	Negative	N/A	MDW
8b	1 <sup>st</sup> floor – kitchen – ceiling – drywall	Negative	N/A	MDW
9	1 <sup>st</sup> floor – kitchen floor – bottom layer – tar paper #2	Negative	N/A	MPT2
10	1 <sup>st</sup> floor – bathroom floor – bottom layer – tar paper #2	Negative	N/A	MPT2
11	1 <sup>st</sup> floor – stair landing floor – bottom layer – tar paper #2	Negative	N/A	MPT2
<b>12</b>	<b>1<sup>st</sup> floor – northeast bedroom – gray linoleum</b>	<b>Positive 25% Chrysotile</b>	<b>10 Sq. Ft.</b>	<b>MFLy</b>
13	2 <sup>nd</sup> floor – stair landing – under plywood – brown linoleum	Negative	N/A	MFLn
14	Attic – on chimney – flue packing	Negative	N/A	TFP
<b>15</b>	<b>1<sup>st</sup> floor – front entry – under 2 layers floor tile – white linoleum</b>	<b>Positive 5% Chrysotile</b>	<b>20 Sq. Ft.</b>	<b>MFLw</b>
15	1 <sup>st</sup> floor – front entry – under linoleum – paper insulation	Negative	N/A	MFLw
16	1 <sup>st</sup> floor – living room – west wall – plaster	Negative	N/A	SPI
17	2 <sup>nd</sup> floor – living room – north wall – plaster	Negative	N/A	SPI
18	1 <sup>st</sup> floor – dining room – east wall – plaster	Negative	N/A	SPI
19	2 <sup>nd</sup> floor – west bedroom – west wall – plaster	Negative	N/A	SPI
20	1 <sup>st</sup> floor – kitchen – south wall – plaster	Negative	N/A	SPI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
21	2 <sup>nd</sup> floor – northeast bedroom – south wall – plaster	Negative	N/A	SPI
22	1 <sup>st</sup> floor – bathroom – west wall – plaster	Negative	N/A	SPI
23	1 <sup>st</sup> floor – north bedroom – ceiling – plaster #2	Negative	N/A	SPI2
24	1 <sup>st</sup> floor – kitchen – west wall – plaster #2	Negative	N/A	SPI2
25	1 <sup>st</sup> floor – kitchen – east wall – plaster #2	Negative	N/A	SPI2
26a	1 <sup>st</sup> floor – bathroom – on wall – gray ceramic tile	Negative	N/A	MCTMy
26b	1 <sup>st</sup> floor – bathroom – on wall – grout	Negative	N/A	MCTMy

**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 <sup>st</sup>	Entry/Kitchen/Bathroom/Stair	Floor Tile & Mastic	550 Sq. Ft.
2 <sup>nd</sup>	Kitchen/Bathroom/Stair	Floor Tile & Mastic	200 Sq. Ft.

**Homogeneous Material Codes**

SPI	Plaster
SPI2	Plaster #2
STC	Stucco
MPT	Tar Paper
MPT2	Tar Paper #2
MDW	Drywall/Joint Compound
MPG	Window Glazing Compound
MFLy	Gray Linoleum
MFLn	Brown Linoleum
MFLw	White Linoleum
MCTMy	Gray Ceramic Tile
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.

**V. EXCLUSIONS**

**All 2<sup>nd</sup> floor rooms covered with debris – floors only partially accessible. Basement full of 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 & Family 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 <sup>st</sup> Floor Living Room, 2 <sup>nd</sup> Floor West Bedroom
<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 in Attic

<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>    1  </u>	Junk Vehicles – Exterior

\* 2 Gas Meters in Basement

## 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. 233772	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/03/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/08/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2748

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Tan Paper	Asbestos Not Present	Cellulose 100	
002	2	Homogeneous	Tan Paper	Asbestos Not Present	Cellulose 100	
003	3	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 75	Tar
004	4	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
005	5	Homogeneous	Dark Gray Window Glazing	Asbestos Present Chrysotile 6	NA	CaCO3 Paint
006	5B	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 6	NA	CaCO3 Paint
007	5C	Homogeneous	Cream Window Glazing	Asbestos Present Chrysotile 5	NA	CaCO3 Paint

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. 233772	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/03/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/08/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2748

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	6	Layered	White Joint Compound	Asbestos Not Present	Cellulose 75	CaCO3 Paint
008a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
009	7	Layered	White Joint Compound	Asbestos Not Present	NA	Silicone Paint
009a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
010	8	Layered	Tan Joint Compound	Asbestos Not Present	Cellulose 70	CaCO3 Paint
010a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
011	9	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar

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### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 233772	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/03/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/08/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2748

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012	10	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
013	11	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
014	12	Homogeneous	Tan/Brown Sheet Vinyl	Asbestos Present Chrysotile 25	Cellulose 5	Vinyl
015	13	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Glass Fiber 15	Vinyl Foam
016	14	Homogeneous	Tan Stucco	Asbestos Not Present	NA	Quartz Sand
017	15	Layered	Tan Floor Tile	Asbestos Present Chrysotile 5	NA	Vinyl CaCO3
017a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar

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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. 233772

Account Number: B929

Date Received: 04/03/2014

Received By: Joanna Mueller

Date Analyzed: 04/08/2014

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.2748

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018	16	Homogeneous	Light Gray Plaster	Asbestos Not Present	Cellulose	4 Quartz Sand Paint
019	17	Homogeneous	Light Gray Plaster	Asbestos Not Present	Cellulose	2 Quartz Sand Paint
020	18	Homogeneous	Gray Plaster	Asbestos Not Present	Cellulose	2 Quartz Sand Paint
021	19	Homogeneous	Light Gray Plaster	Asbestos Not Present	Cellulose	3 Quartz Sand Paint
022	20	Homogeneous	Gray Plaster	Asbestos Not Present	Cellulose	3 Quartz Sand Paint
023	21	Homogeneous	Light Gray Plaster	Asbestos Not Present	Cellulose	4 Quartz Sand Paint

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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. 233772	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/03/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/08/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2748

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
024	22	Homogeneous	Light Gray Plaster	Asbestos Not Present	Cellulose	2 Quartz Sand Paint
025	23	Homogeneous	White Plaster	Asbestos Not Present	NA	Quartz Sand Paint
026	24	Homogeneous	White Plaster	Asbestos Not Present	NA	Quartz Sand Paint
027	25	Homogeneous	White Plaster	Asbestos Not Present	NA	Quartz Sand Paint
028	26	Layered	Light Gray Ceramic Tile	Asbestos Not Present	NA	Clay
028a		Layered	Gray Grout	Asbestos Not Present	NA	Clay

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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. 233772

Account Number: B929

Date Received: 04/03/2014

Received By: Joanna Mueller

Date Analyzed: 04/08/2014

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

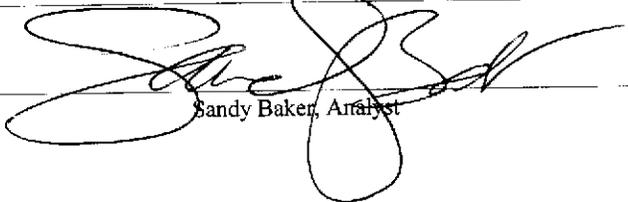
1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.2748

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
				4/8/2014		
Sandy Baker, Analyst				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

LABORATORIES  
 www.QuanTEM.com

For Lab Use Only  
 Lab No. 233772  
 Accept  Reject

Report Results ( one box)  
 QuanTEM Website  
 Other\_email

Project Information  
 Project Name: DNS  
 Project Location: Milwaukee, WI  
 Project ID: 14-200-061.2748  
 P.O. Number:

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

SAMPLED BY: [Signature] Name:  
 RESINQUISHED BY: [Signature] DATE & TIME: 4/2/14 1800 VIA: FedEx RECEIVED BY: [Signature] DATE & TIME: 4/3/14 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"/> 400 Point Count	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Other	<input type="checkbox"/> Air-AHERA	<input type="checkbox"/> Air-NIOSH 7402	<input type="checkbox"/> Air-ISO 10312	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Rush	<input type="checkbox"/> Same Day	<input type="checkbox"/> 24 - Hour	<input checked="" type="checkbox"/> 3 - Day	<input type="checkbox"/> 5 - Day
<input type="checkbox"/> Gravimetric Preparation	PCM		NIOSH 7400											
<input type="checkbox"/> Particle ID														

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	SB	<input type="checkbox"/>				
7	SC	<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. <u>222172</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Company: Harenda Management Group	Project Name: DNS	Project Location: Milwaukee, WI	
No.	Sample ID (10 Characters Max)	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	9				Do Not Test/Notice
12	10				
13	11				
14	12				
15	13				
16	14				
17	15				
18	16				
19	17				
20	18				
21	19				
22	20				
23	21				
24	22				
25	23				
26	24				
27	25				
28	26				
29					
30					

## **IX. HMG CERTIFICATION**



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen  
W1316781 Kipling Dr  
Monkego WI 53150-3401

		160 lbs	5' 08"
ALL-14370	Exp. 12/31/2014	12/12/1963	Male

Training due by: 12/01/2014

# 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

