



**ASBESTOS INSPECTION REPORT**

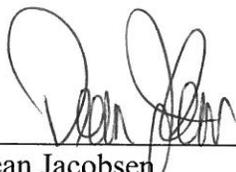
**Job Site:**

**One Family Dwelling  
2536 South 5<sup>th</sup> Place  
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.: 14-200-042.2536  
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**

**TABLE OF CONTENTS**

I. Introduction.....2

II. Building Survey .....2

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

IV. Findings and Observations.....3

V. Exclusions.....5

VI. Limitations .....5

VII. Pre-Demolition Environmental Checklist.....7

VIII. Laboratory Results .....11

IX. HMG Certifications .....12

## 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 2536 South 5<sup>th</sup> Place, Milwaukee, Wisconsin.

The inspection included plaster, texture, fiberboard, single siding, tar paper, vermiculite insulation, false brick, drywall/joint compound, linoleum, flue packing, and window glazing compound to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M*.

## 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 11, 2014 HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 2536 South 5<sup>th</sup> Place, Milwaukee, Wisconsin. The inspection was conducted by Damian Rogowski, Wisconsin License No. AII – 161300.**

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building.
2. Sampling and documentation of observable suspect materials. Category I non-friable materials were assumed to be asbestos containing and not sampled 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, fiberboard, single siding, tar paper, vermiculite insulation, false brick, drywall/joint compound, linoleum, flue packing, and window glazing compound. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – west wall under aluminum siding – fiberboard	Negative	N/A	MFB
2	Exterior – south wall under aluminum siding – fiberboard	Negative	N/A	MFB
3	Exterior – east wall under aluminum siding – fiberboard	Negative	N/A	MFB
4	Exterior – west wall under fiberboard – shingle siding	Negative	N/A	MSS
5	Exterior – south wall under fiberboard – shingle siding	Negative	N/A	MSS
6	Exterior – east wall under fiberboard – shingle siding	Negative	N/A	MSS
7	Exterior – west wall under wood siding – tar paper	Negative	N/A	MPT
8	Exterior – south wall under wood siding – tar paper	Negative	N/A	MPT
9	Exterior – east wall under wood siding – tar paper	Negative	N/A	MPT
10	1 <sup>st</sup> floor – living room – in south wall – vermiculite insulation	Negative	N/A	MVI
11	1 <sup>st</sup> floor – dining room – in north wall – vermiculite insulation	Negative	N/A	MVI
12	1 <sup>st</sup> floor – south bedroom – in south wall – vermiculite insulation	Negative	N/A	MVI
13	1 <sup>st</sup> floor – living room – west wall – texture	Negative	N/A	STX
14	1 <sup>st</sup> floor – living room – north wall – texture	Negative	N/A	STX
15	1 <sup>st</sup> floor – living room – south wall – texture	Negative	N/A	STX
16a	1 <sup>st</sup> floor – kitchen – on west wall – false brick	Negative	N/A	MFBR
16b	1 <sup>st</sup> floor – kitchen – on west wall – grout	Negative	N/A	MFBR
17a	1 <sup>st</sup> floor – kitchen – on east wall – false brick	Negative	N/A	MFBR
17b	1 <sup>st</sup> floor – kitchen – on east wall – grout	Negative	N/A	MFBR
18a	1 <sup>st</sup> floor – kitchen – on north wall – false brick	Negative	N/A	MFBR
18b	1 <sup>st</sup> floor – kitchen – on north wall – grout	Negative	N/A	MFBR
19	1 <sup>st</sup> floor – dining room – north wall – texture #2	Negative	N/A	STX2
20	1 <sup>st</sup> floor – dining room – south wall – texture #2	Negative	N/A	STX2

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
21	1 <sup>st</sup> floor – south bedroom – north wall – texture #2	Negative	N/A	STX2
22a	1 <sup>st</sup> floor – dining room – north wall – patch layer	Negative	N/A	SPI
22b	1 <sup>st</sup> floor – dining room – north wall – plaster skim coat	Negative	N/A	SPI
22c	1 <sup>st</sup> floor – dining room – north wall – plaster base coat	Negative	N/A	SPI
23a	1 <sup>st</sup> floor – living room – west wall – plaster skim coat	Negative	N/A	SPI
23b	1 <sup>st</sup> floor – living room – west wall – plaster base coat	Negative	N/A	SPI
24a	1 <sup>st</sup> floor – living room – west wall – plaster skim coat	Negative	N/A	SPI
24b	1 <sup>st</sup> floor – living room – west wall – plaster base coat	Negative	N/A	SPI
25	1 <sup>st</sup> floor – kitchen – north side under plywood – gray linoleum	Negative	N/A	MFLy
26	1 <sup>st</sup> floor – kitchen – south side under plywood – gray linoleum	Negative	N/A	MFLy
27	1 <sup>st</sup> floor – kitchen – west side under plywood – gray linoleum	Negative	N/A	MFLy
28	Basement – east window – glazing compound	Negative	N/A	MPG
29	Basement – on chimney – flue packing	Negative	N/A	TFP
30a	Attic – west wall – joint compound	Positive 2% Chrysotile	N/A	MDW
30b	Attic – west wall – drywall	Negative	N/A	MDW
30	COMPOSITE POINT COUNT RESULT	Trace 1% Chrysotile	N/A	MDW
31a	Attic – north wall – joint compound	Negative	N/A	MDW
31b	Attic – north wall – drywall	Negative	N/A	MDW
32a	Attic – south wall – joint compound	Negative	N/A	MDW
32b	Attic – south wall – drywall	Negative	N/A	MDW
<b>33a</b>	<b>Attic – west side under floor tile – black linoleum</b>	<b>Positive 8% Chrysotile</b>	<b>290 Sq. Ft.</b>	<b>MFLk</b>
33b	Attic – west side under black linoleum – paper insulation	Negative	N/A	MFLk
<b>34a</b>	<b>Attic – south side under floor tile – black linoleum</b>	<b>Positive 8% Chrysotile</b>	<b>Reference Sample 33a</b>	<b>MFLk</b>
34b	Attic – south side under black linoleum – paper insulation	Negative	N/A	MFLk
<b>35a</b>	<b>Attic – east side under floor tile – black linoleum</b>	<b>Positive 8% Chrysotile</b>	<b>Reference Sample 33a</b>	<b>MFLk</b>
35b	Attic – east side under black linoleum – paper insulation	Negative	N/A	MFLk

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

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

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	800 Sq. Ft.
1 <sup>st</sup>	Entry/Kitchen/Living Room/Stair	Floor Tile & Mastic	450 Sq. Ft
Attic	All Rooms	Floor Tile & Mastic	290 Sq. Ft

#### Homogeneous Material Codes

SPI	Plaster
STX	Texture
STX2	Texture #2
MFB	Fiberboard
MSS	Shingle Siding
MPT	Tar Paper
MVI	Vermiculite Insulation
MFBR	False Brick
MDW	Drywall/Joint Compound
MFLy	Gray Linoleum
MFLk	Black Linoleum
MPG	Glazing Compound
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

**1<sup>st</sup> floor bathroom floor and attic floor covered with feces. Basement floor covered with garbage and feces and not accessible. Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.**

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

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

## VI. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our Polarized Light Microscopy, unless otherwise specified by

the client. The findings and conclusions of HMG represent our professional opinions extrapolated from limited data. Significant limited data is gathered during the course of the preliminary asbestos specific site assessment. No other warranty is expressed or implied. Prior to any abatement or renovation activities, it is recommended that HMG be provided the opportunity to review such plans in order that the inspection and assessments contained herein are properly interpreted and implemented.

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

## VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

## **ASBESTOS**

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

## **CFCs and HALONS**

Equipment that may contain CFCs and Halons:

<u>N/A</u>	Air Conditioners (roof top, room, and central)
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>2</u>	<b>Refrigerators</b> , Freezers, Chillers – Kitchen, Basement
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>N/A</u>	Fire Extinguishers (both portable and installed HALON suppression systems)
<u>N/A</u>	Water Coolers

## **LEAD**

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

## **MERCURY**

Products that may contain mercury:

### **LIGHTING**

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

### **HVAC**

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

### **HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS**

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

### **BOILERS, FURNACES, HEATERS AND TANKS**

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

## **ELECTRICAL SYSTEMS – 1 Electric Meter on Exterior.**

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

### **PCBs**

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

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

### **OTHER ENVIRONMENTAL ISSUES**

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

\* 3 Gallons Paint in Attic, 100 Gallons Paint in Basement

\* 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. 234191	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/14/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 04/21/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2536

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



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

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 234191	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/14/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 04/21/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2536

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	Brown Paper	Asbestos Not Present	Cellulose 100	
010	10	Homogeneous	Gold Insulation	Asbestos Not Present	NA	Vermiculite
011	11	Homogeneous	Gold Insulation	Asbestos Not Present	NA	Vermiculite
012	12	Homogeneous	Gold Insulation	Asbestos Not Present	NA	Vermiculite
013	13	Homogeneous	White Texture	Asbestos Not Present	Cellulose 3	CaCO3 Paint
014	14	Homogeneous	White Texture	Asbestos Not Present	Cellulose 2	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. 234191	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/14/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 04/21/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2536

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	15	Homogeneous	White Texture	Asbestos Not Present	Cellulose 2	CaCO3 Paint
016	16	Layered	Red Brick	Asbestos Not Present	Cellulose 4	CaCO3 Binder Paint
016a		Layered	White Texture	Asbestos Not Present	Cellulose 4	CaCO3 Paint
017	17	Layered	Red Brick	Asbestos Not Present	Cellulose 4	CaCO3 Binder Paint
017a		Layered	White Texture	Asbestos Not Present	Cellulose 4	CaCO3 Paint
018	18	Layered	Red Brick	Asbestos Not Present	Cellulose 4	CaCO3 Binder Paint
018a		Layered	White Texture	Asbestos Not Present	Cellulose 4	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. 234191	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/14/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 04/21/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2536

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019	19	Homogeneous	White Texture	Asbestos Not Present	Talc 2	CaCO3 Paint
020	20	Homogeneous	White Texture	Asbestos Not Present	Talc 2	CaCO3 Paint
021	21	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
022	22	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Perlite Paint
022a		Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand Gypsum
022b		Layered	Gray Plaster	Asbestos Not Present	Cellulose 4	Gypsum
023	23	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand 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. 234191	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/14/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 04/21/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2536

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023a		Layered	Gray Plaster	Asbestos Not Present	Cellulose 5	Gypsum
024	24	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand Gypsum CaCO3
024a		Layered	Gray Plaster	Asbestos Not Present	Cellulose 4	Gypsum
025	25	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
026	26	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
027	27	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
028	28	Homogeneous	White Putty	Asbestos Not Present	NA	CaCO3 Binder

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

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



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

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 234191	Client: Harena Management Group
Account Number: B929	Jolene Harena
Date Received: 04/14/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 04/21/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2536

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
029	29	Homogeneous	Black Grout	Asbestos Not Present	NA	Sand Binder
030	30	Layered	Pink Texture	Asbestos Present Chrysotile 2	NA	CaCO3 Paint
030a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
031	31	Layered	Pink Texture	Asbestos Not Present	Wollastonite 2 Talc <1	CaCO3 Paint
031a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
032	32	Layered	Pink Texture	Asbestos Not Present	Cellulose 4 Wollastonite 2 Talc 2	CaCO3 Paint
032a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	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. 234191	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/14/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 04/21/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2536

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
033	33	Layered	Brown Floor Tile	Asbestos Present Chrysotile 8	NA	Vinyl CaCO3
033a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
034	34	Layered	Brown Floor Tile	Asbestos Present Chrysotile 8	NA	Vinyl CaCO3
034a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
035	35	Layered	Brown Floor Tile	Asbestos Present Chrysotile 8	NA	Vinyl CaCO3
035a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar

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

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



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

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 234191	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/14/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 04/21/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2536

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

*Cristal Veech*  
 Cristal Veech, Analyst

4/21/2014  
 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

www.QuanTEM.com

## LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

<b>Contact Information</b> Company: Harenda Management Group Contact: Dean Jacobsen Account #: B929 Phone: (414) 383-4800 Cell Phone: E-mail: djacobsen@harenda.com Date:		<b>Project Information</b> Project Name: DNS Project Location: Milwaukee, WI Project ID: 14-200-042.2536 PO. Number:	
<b>For Lab Use Only</b> Lab No. 234191 <input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject		<b>Report Results (one box)</b> <input checked="" type="checkbox"/> QuanTEM Website <input type="checkbox"/> Other email	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	4/14/14 1800	FedEx	<i>[Signature]</i>	4/14/14 10:30

### 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	Bulk- Presence / Absence	Bulk- Quantitative [weight%]- Chatfield	Rush	Same Day
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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**

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. 234191	Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Project Name: DNS	Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	<input checked="" type="checkbox"/>			
12	12	<input type="checkbox"/>			
13	13	<input type="checkbox"/>			
14	14	<input type="checkbox"/>			
15	15	<input type="checkbox"/>			
16	16	<input type="checkbox"/>			
17	17	<input type="checkbox"/>			
18	18	<input type="checkbox"/>			
19	19	<input type="checkbox"/>			
20	20	<input type="checkbox"/>			
21	21	<input type="checkbox"/>			
22	22	<input type="checkbox"/>			
23	23	<input type="checkbox"/>			
24	24	<input type="checkbox"/>			
25	25	<input type="checkbox"/>			Do Not Test Mastic
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. 234191	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 checked="" type="checkbox"/>				Do Not Test/Markic ↓
36		<input type="checkbox"/>				
37		<input 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"/>				



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

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 234636

Account Number: B929

Date Received: 04/23/2014

Received By: Sherrie Leftwich

Date Analyzed: 04/24/2014

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

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

Project: PTCT for 234191, DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.2536

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	30	Composite	Pink/White Texture / Sheetrock	Asbestos Present Chrysotile 1.00 400 Point Count	NA	

Cristal Veech, Analyst

4/24/2014

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.



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. Accept Reject

## LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	Report Results ( <input checked="" type="checkbox"/> one box )
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	<input checked="" type="checkbox"/> QuanTEM Website
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 14-200-042.2536	<input type="checkbox"/> Other_email
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	4/23/14 1045	Email	<i>[Signature]</i>	4/24/14 10:50

### REQUESTED SERVICES (Please the Appropriate Boxes)

	PLM		TEM		TEM		TURNAROUND TIME	
	Bulk Analysis (EPA 600/R-93/116)	Vermiculite Attic Insulation (EPA 600/R-04/004)	Air- AHERA	Air- NIOSH 7402	Air- ISO 10312	Bulk- Presence / Absence EPA600/R-93/116	Bulk- Quantitative (weight%) - Charfield	Rush
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	30	<input checked="" type="checkbox"/>				Composite Point Count Quantem Lab #234191
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 type="checkbox"/>				

## **IX. HMG CERTIFICATION**

# Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305  
NEW BERLIN WI 53151-2105

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

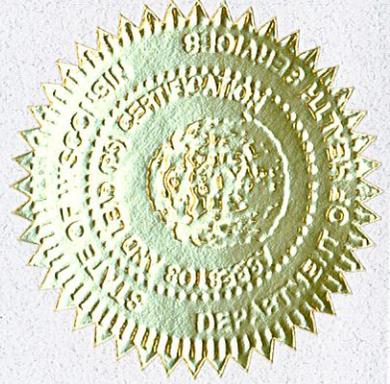
Asbestos Company - Primary

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

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



*Shelley A Bruce*  
Shelley A Bruce,  
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Damian Scott Rogowski

140 E Davis St

Beaver Dam WI 53916-2943

		185 lbs	5' 10"
II-161300	Exp: 03/19/2015	12/01/1980	Male

expiration date: 03/19/2015



**ASBESTOS INSPECTION REPORT**

**Job Site:**

**One Family Dwelling  
2878 North 16<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.: 14-200-042.2878  
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

**May 2014**

**TABLE OF CONTENTS**

I. Introduction.....2

II. Building Survey .....2

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

IV. Findings and Observations.....3

V. Exclusions.....4

VI. Limitations .....4

VII. Pre-Demolition Environmental Checklist.....6

VIII. Laboratory Results .....10

IX. HMG Certifications .....11

## 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 2878 North 16<sup>th</sup> Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, duct paper, drywall/joint compound, and linoleum 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 25, 2014 HMG conducted an asbestos inspection of a one family dwelling and garage, scheduled for mechanical demolition, located at 2878 North 16<sup>th</sup> Street Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.**

The inspection was comprised of three elements:

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

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

## III. THE LABORATORY

### A. METHOD OF ANALYSIS

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

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

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

#### IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, texture, duct paper, drywall/joint compound, and linoleum. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Basement – on duct – duct paper	Positive 70% Chrysotile	35 Sq. Ft.	TDW
2	Basement – on duct – duct paper	Positive 70% Chrysotile	Reference Sample 2	TDW
3	1 <sup>st</sup> floor – dining room – on wall duct – duct paper	Positive 70% Chrysotile	Reference Sample 2	TDW
4	Basement – east wall – plaster	Negative	N/A	SPI
5a	1 <sup>st</sup> floor – hall – west wall – plaster skim coat	Negative	N/A	SPI
5b	1 <sup>st</sup> floor – hall – west wall – plaster base coat	Negative	N/A	SPI
6	1 <sup>st</sup> floor – dining room – south wall – plaster	Negative	N/A	SPI
7	2 <sup>nd</sup> floor – kitchen – south wall – plaster	Negative	N/A	SPI
8a	2 <sup>nd</sup> floor – living room – north wall – plaster skim coat	Negative	N/A	SPI
8b	2 <sup>nd</sup> floor – living room – north wall – plaster base coat	Negative	N/A	SPI
9a	2 <sup>nd</sup> floor – bedroom – west wall – joint compound	Negative	N/A	MDW
9b	2 <sup>nd</sup> floor – bedroom – west wall – drywall	Negative	N/A	MDW
10a	2 <sup>nd</sup> floor – bedroom – north wall – joint compound	Negative	N/A	MDW
10b	2 <sup>nd</sup> floor – bedroom – north wall – drywall	Negative	N/A	MDW
11a	2 <sup>nd</sup> floor – bedroom – east wall – joint compound	Negative	N/A	MDW
11b	2 <sup>nd</sup> floor – bedroom – east wall – joint compound layer 2	Negative	N/A	MDW
11c	2 <sup>nd</sup> floor – bedroom – east wall – drywall	Negative	N/A	MDW
12	2 <sup>nd</sup> floor – kitchen – under floor tile – white linoleum	Negative	N/A	MFLw
13	2 <sup>nd</sup> floor – bathroom – black linoleum	Negative	N/A	MFLk
14	2 <sup>nd</sup> floor – kitchen – south wall – texture	Negative	N/A	MFLw
15	2 <sup>nd</sup> floor – bedroom – south wall – texture	Negative	N/A	MFLw
16a	2 <sup>nd</sup> floor – bedroom – north wall – texture	Negative	N/A	MFLw
16b	2 <sup>nd</sup> floor – bedroom – north wall – texture layer 2	Negative	N/A	MFLw
17a	2 <sup>nd</sup> floor – kitchen – under plywood – paper insulation	Negative	N/A	MFLc
17b	2 <sup>nd</sup> floor – kitchen – under plywood – cream linoleum	Negative	N/A	MFLc
17c	2 <sup>nd</sup> floor – kitchen – under plywood – tar paper	Negative	N/A	MFLc

**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> /2 <sup>nd</sup>	Dwelling	Asphalt Shingle & Siding	2,800 Sq. Ft.
1 <sup>st</sup>	Entry/Hall/Kitchen/Bathroom	Floor Tile & Mastic	470 Sq. Ft.
2 <sup>nd</sup>	Kitchen	Floor Tile & Mastic	120 Sq. Ft.
2 <sup>nd</sup>	Bathroom	Floor Mastic	30 Sq. Ft.

#### Homogeneous Material Codes

SPI	Plaster
STX	Texture
MDW	Drywall/Joint Compound
MFLw	White Linoleum
MFLk	Black Linoleum
MFLc	Cream Linoleum
TDW	Duct Paper

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

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

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

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

## V. EXCLUSIONS

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

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

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

## VI. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our Polarized Light Microscopy, unless otherwise specified by the client. The findings and conclusions of HMG represent our professional opinions extrapolated from limited data. Significant limited data is gathered during the course of the

preliminary asbestos specific site assessment. No other warranty is expressed or implied. Prior to any abatement or renovation activities, it is recommended that HMG be provided the opportunity to review such plans in order that the inspection and assessments contained herein are properly interpreted and implemented.

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

## VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

## **ASBESTOS**

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

## **CFCs and HALONS**

Equipment that may contain CFCs and Halons:

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

## **LEAD**

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

## MERCURY

Products that may contain mercury:

### LIGHTING

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

### HVAC

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

### HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

### BOILERS, FURNACES, HEATERS AND TANKS

<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. 2 Electric Meters on Exterior**

- N/A   Load Meters and Supply Relays
- N/A   Phase Splitters
- N/A   Microwave Relays
- N/A   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 were PCBs may be found:

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

**OTHER ENVIRONMENTAL ISSUES**

- N/A   Hazardous Waste
- 1   Oil Tanks – Basement
- N/A   Well Abandonment
- N/A   Junk Auto Tires
- N/A   Junk Vehicles

\* 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. 234969	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/01/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 05/07/2014	Project: DNS
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2878

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 70	Cellulose	5 Binder
002	2	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 70	Cellulose	5 Binder
003	3	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 70	Cellulose	5 Binder
004	4	Homogeneous	Light Gray Plaster	Asbestos Not Present	Hair	2 Quartz CaCO3
005	5	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz Gypsum Paint
005a		Layered	Light Gray Plaster	Asbestos Not Present	Hair	2 Quartz Gypsum
006	6	Homogeneous	Light Gray Plaster	Asbestos Not Present	Hair	2 Quartz 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. 234969	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/01/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 05/07/2014	Project: DNS
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2878

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007	7	Homogeneous	Light Gray Plaster	Asbestos Not Present	Cellulose 2 Hair 2	Quartz CaCO3
008	8	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz Gypsum
008a		Layered	Light Gray Plaster	Asbestos Not Present	Hair 2	Quartz CaCO3 Gypsum
009	9	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
009a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
010	10	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
010a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	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. 234969	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/01/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 05/07/2014	Project: DNS
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2878

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
011	11	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
011a		Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
011b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
012	12	Homogeneous	Cream Flooring	Asbestos Not Present	Glass Fiber 5	CaCO3 Binder Foam
013	13	Homogeneous	Cream/ Black Sheet Vinyl	Asbestos Not Present	Cellulose 15 Glass Fiber 10	Vinyl Binder
014	14	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
015	15	Homogeneous	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. 234969

Account Number: B929

Date Received: 05/01/2014

Received By: Joanna Mueller

Date Analyzed: 05/07/2014

Analyzed By: Shweta Harankhedkar

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: 14-200-042.2878

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016	16	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum Paint
016a		Layered	White Texture	Asbestos Not Present	Wollastonite	5 CaCO3 Paint
017	17	Layered	Gray Backing	Asbestos Not Present	Cellulose	10 Binder Vinyl
017a		Layered	Cream Sheet Vinyl	Asbestos Not Present	Cellulose	25 Vinyl Foam
017b		Layered	Black Backing	Asbestos Not Present	Cellulose	80 Tar

Shweta Harankhedkar, Analyst

5/8/2014

Date of Report

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

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



# 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. 234969  
 Accept  Reject

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

**Contact Information**  
 Company: Harenda Management Group  
 Contact: Dean Jacobsen  
 Account #: B929  
 Phone: (414) 383-4800  
 Cell Phone:  
 E-mail: djacobsen@harenda.com  
 Date:  
 Project Name: DNS  
 Project Location: Milwaukee, WI  
 Project ID: 14-200-042.2878  
 P.O. Number:

**Project Information**  
 RECEIVED BY: J. Mueller  
 DATE & TIME: 5-14-10  
 RELINQUISHED BY: [Signature]  
 DATE & TIME: 4/30/14 1800  
 VIA: FedEx

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"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> 24 - Hour	<input type="checkbox"/> 3 - 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"/> 5 - Day	<input checked="" 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"/> Other			
<input type="checkbox"/> Particle ID		<input type="checkbox"/> Waste Water- EPA 600/4-83-043				

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

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

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>234969</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI			
No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	(1)	<input checked="" type="checkbox"/>				
12	(2)	<input type="checkbox"/>				
13	(3)	<input type="checkbox"/>				
14	(4)	<input type="checkbox"/>				
15	(5)	<input type="checkbox"/>				
16	(6)	<input type="checkbox"/>				
17	(7)	<input checked="" type="checkbox"/>				Do Not Test Mastic
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 type="checkbox"/>				

## **IX. HMG CERTIFICATION**

# Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305  
NEW BERLIN WI 53151-2105

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

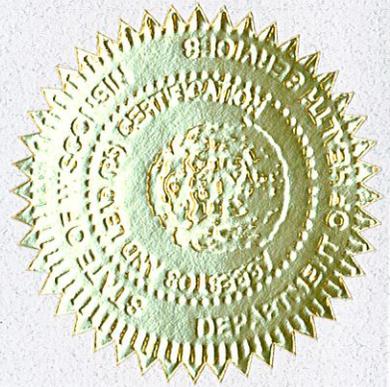
Asbestos Company - Primary

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

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



*Shelley A Bruce*  
Shelley A Bruce,  
Unit Supervisor





**ASBESTOS INSPECTOR**

Issued By

**STATE OF WISCONSIN**  
Dept. of Health Services

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

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

Training due by: 03/19/2015



**ASBESTOS INSPECTION REPORT**

**Job Site:**

**Fire Damaged  
One Family Dwelling  
3254 North 22<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.: 14-200-042.3254  
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

**May 2014**

**TABLE OF CONTENTS**

I. Introduction.....2

II. Building Survey .....2

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

IV. Findings and Observations.....3

V. Exclusions.....4

VI. Limitations .....5

VII. Pre-Demolition Environmental Checklist.....6

VIII. Laboratory Results .....10

IX. HMG Certifications .....11

## 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 3254 North 22<sup>nd</sup> Street, Milwaukee, Wisconsin.

The inspection included plaster, tar paper, caulk, window glazing compound, linoleum, 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 April 24, 2014 HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 3254 North 22<sup>nd</sup> Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.**

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building.
2. Sampling and documentation of observable suspect materials. Category I non-friable materials were assumed to be asbestos containing and not sampled 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, window glazing compound, linoleum, and ceramic tile. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – south wall under wood siding – tar paper	Negative	N/A	MPT
2	Exterior – 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	<b>Exterior – north side around windows – caulk</b>	<b>Positive 3% Chrysotile</b>	<b>25 Windows</b>	<b>MCLK</b>
5	<b>Exterior – south side around windows – caulk</b>	<b>Positive 3% Chrysotile</b>	<b>Reference Sample 4</b>	<b>MCLK</b>
6	<b>Exterior – west side around windows – caulk</b>	<b>Positive 3% Chrysotile</b>	<b>Reference Sample 4</b>	<b>MCLK</b>
7	Attic – east window – glazing compound	Negative	N/A	MPG
8	1 <sup>st</sup> floor – dining room – north window – glazing compound	Negative	N/A	MPG
9	1 <sup>st</sup> floor – living room – west window – glazing compound	Negative	N/A	MPG
10a	1 <sup>st</sup> floor – entry – east wall – plaster skim coat	Negative	N/A	SPI
10b	1 <sup>st</sup> floor – entry – east wall – plaster base coat	Negative	N/A	SPI
11a	1 <sup>st</sup> floor – dining room – south wall – plaster skim coat	Negative	N/A	SPI
11b	1 <sup>st</sup> floor – dining room – south wall – plaster base coat	Negative	N/A	SPI
12a	1 <sup>st</sup> floor – kitchen – west wall – plaster skim coat	Negative	N/A	SPI
12b	1 <sup>st</sup> floor – kitchen – west wall – plaster base coat	Negative	N/A	SPI
13a	1 <sup>st</sup> floor – living room – ceiling – plaster skim coat	Negative	N/A	SPI
13b	1 <sup>st</sup> floor – living room – ceiling – plaster base coat	Negative	N/A	SPI
14	Attic – stair – north wall – plaster	Negative	N/A	SPI
15a	1 <sup>st</sup> floor – stair top layer – yellow linoleum	Negative	N/A	MFLI
15b	1 <sup>st</sup> floor – stair bottom layer – multicolored linoleum	Negative	N/A	MFLm
16a	1 <sup>st</sup> floor – kitchen south side – yellow linoleum	Negative	N/A	MFLI
16b	1 <sup>st</sup> floor – kitchen south side – multicolored linoleum	Negative	N/A	MFLm
17a	1 <sup>st</sup> floor – kitchen north side – yellow linoleum	Negative	N/A	MFLI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
17b	1 <sup>st</sup> floor – kitchen north side – multicolored linoleum	Negative	N/A	MFLm
18a	1 <sup>st</sup> floor – bathroom floor – ceramic tile	Negative	N/A	MCTM
18b	1 <sup>st</sup> floor – bathroom floor – grout	Negative	N/A	MCTM
19	1 <sup>st</sup> floor – bathroom – on walls under tile – mastic	Negative	N/A	MWM

**Notes:** N/A = Not Applicable

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

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	960 Sq. Ft.
1 <sup>st</sup>	Kitchens/Bathrooms/Stair/ Pantry/Hall	Floor Mastic	200 Sq. Ft

**Homogeneous Material Codes**

SPI	Plaster
MPT	Tar Paper
MCLK	Caulk
MFLI	Yellow Linoleum
MFLm	Multicolored Linoleum
MPG	Glazing Compound
MCTM	Ceramic Tile
MWM	Wall Mastic

**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

**East bedroom filled with fire debris and not accessible. Basement flooded and not accessible. Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.**

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

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

## VI. LIMITATIONS

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

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

## VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

## **ASBESTOS**

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

## **CFCs and HALONS**

Equipment that may contain CFCs and Halons:

<u>N/A</u>	Air Conditioners (roof top, room, and central)
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>2</u>	<b>Refrigerators</b> , Freezers, Chillers – 1 <sup>st</sup> Floor
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>N/A</u>	Fire Extinguishers (both portable and installed HALON suppression systems)
<u>N/A</u>	Water Coolers

## **LEAD**

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

## MERCURY

Products that may contain mercury:

### LIGHTING

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

### HVAC

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

### HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

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

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

## **ELECTRICAL SYSTEMS – 2 Electric Meters on Exterior.**

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

### **PCBs**

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

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

### **OTHER ENVIRONMENTAL ISSUES**

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

## 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. 234813	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/28/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 05/05/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3254

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	Light Gray Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3 Paint
005	5	Homogeneous	Light Gray Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3 Paint
006	6	Homogeneous	Light Gray Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3 Paint
007	7	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3 Paint

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

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



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

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 234813	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/28/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 05/05/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3254

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
009	9	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
010	10	Layered	White Plaster	Asbestos Not Present	Cellulose <1	Quartz Sand Paint
010a		Layered	Gray Plaster	Asbestos Not Present	Cellulose 2	Quartz Sand
011	11	Layered	Light Yellow Plaster	Asbestos Not Present	Cellulose <1	Quartz Sand Paint
011a		Layered	Gray Plaster	Asbestos Not Present	Cellulose 2	Quartz Sand
012	12	Layered	White Plaster	Asbestos Not Present	Cellulose <1	Quartz Sand 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. 234813	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/28/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 05/05/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3254

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012a		Layered	Gray Plaster	Asbestos Not Present	Cellulose 3	Quartz Sand
013	13	Layered	Light Yellow Plaster	Asbestos Not Present	Cellulose <1	Quartz Sand Paint
013a		Layered	Gray Plaster	Asbestos Not Present	Cellulose 2	Quartz Sand
014	14	Homogeneous	Gray Plaster	Asbestos Not Present	Cellulose 3	Quartz Sand
015	15	Layered	Green Sheet Vinyl	Asbestos Not Present	Cellulose 75	Vinyl Foam
015a		Layered	Multi-Color Linoleum	Asbestos Not Present	Cellulose 60	Cork
016	16	Layered	Green Sheet Vinyl	Asbestos Not Present	Cellulose 75	Vinyl Foam

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. 234813	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/28/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 05/05/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3254

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016a		Layered	Multi-Color Linoleum	Asbestos Not Present	Cellulose 60	Cork
017	17	Layered	Green Sheet Vinyl	Asbestos Not Present	Cellulose 75	Vinyl Foam
017a		Layered	Multi-Color Linoleum	Asbestos Not Present	Cellulose 60	Cork
018	18	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
018a		Layered	Gray Grout	Asbestos Not Present	NA	Quartz Clay
019	19	Homogeneous	Gray Plaster	Asbestos Not Present	Cellulose <1	Quartz Sand Paint

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

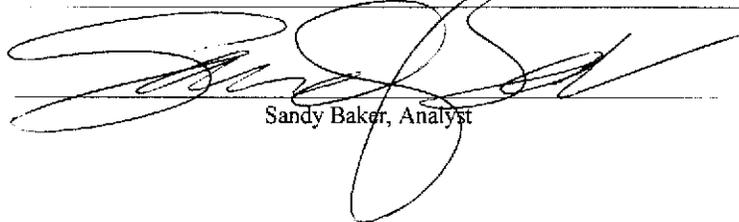
QuantEM is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP 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. 234813	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/28/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 05/05/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3254

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
				5/5/2014		
Sandy Baker, Analyst				Date of Report		

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

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



# ASBESTOS CHAIN OF CUSTODY

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. 234813  
 Accept  Reject

<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>14-200-042.3254</b> P.O. Number:	
---	--	--	--

<b>SAMPLED BY:</b> <u>Dean Jacobsen</u> <b>RELINQUISHED BY:</b> <u>Dean Jacobsen</u>	<b>DATE &amp; TIME</b> <u>4/25/14 1800</u>	<b>VIA</b> <u>FedEx</u>	<b>RECEIVED BY</b> <u>S. Ruffalo</u>	<b>DATE &amp; TIME</b> <u>4/28/14 10:00</u>
---	---	----------------------------	---	--

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

	PLM		TEM		TEM		TURNAROUND TIME	
	Bulk Analysis (EPA 600/R-93/116)	Vermiculite Attic Insulation (EPA 600/R-04/004)	Air- AHERA	Air- NIOSH 7402	Bulk- Presence / Absence EPA600/R-93/116	Bulk- Quantitative [weight%]- Chatfield	Rush	Same Day
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

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>234813</u>	Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

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

## **IX. HMG CERTIFICATION**

# Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305  
NEW BERLIN WI 53151-2105

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

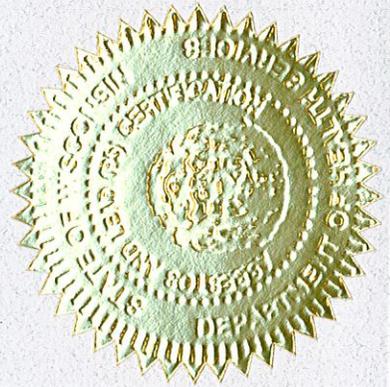
Asbestos Company - Primary

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

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



*Shelley A. Bruce*  
Shelley A. Bruce,  
Unit Supervisor





**ASBESTOS INSPECTOR**

Issued By

**STATE OF WISCONSIN**  
Dept. of Health Services

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

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

Training due by: 03/19/2015



**ASBESTOS INSPECTION REPORT**

**Job Site:**

**Fire Damaged  
One Family Dwelling  
2121 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.: 14-200-042.2121  
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**

**TABLE OF CONTENTS**

I. Introduction.....2

II. Building Survey .....2

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

IV. Findings and Observations.....3

V. Exclusions.....3

VI. Limitations .....4

VII. Pre-Demolition Environmental Checklist.....5

VIII. Laboratory Results .....9

IX. HMG Certifications .....10

## 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 2121 North 27<sup>th</sup> Street, Milwaukee, Wisconsin.

The inspection included tar paper 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 April 17, 2014 HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 2121 North 27<sup>th</sup> Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.**

The inspection was comprised of three elements:

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

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

## III. THE LABORATORY

### A. METHOD OF ANALYSIS

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

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

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

#### IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include tar paper and drywall/joint compound. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – west side under wood siding – tar paper	Negative	N/A	MPT
2	Exterior – north side under wood siding – tar paper	Negative	N/A	MPT
3	Exterior – south side under wood siding – tar paper	Negative	N/A	MPT
4	Attic – east wall – drywall	Negative	N/A	MDW
5	2 <sup>nd</sup> floor – west bedroom – north wall – drywall	Negative	N/A	MDW
6	1 <sup>st</sup> floor – dining room – east wall – joint compound	Negative	N/A	MDW
6	1 <sup>st</sup> floor – dining room – east wall – 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	950 Sq. Ft.
1 <sup>st</sup>	Kitchen/Hall/Foyer/Entry	Floor Tile & Mastic	630 Sq. Ft.
2 <sup>nd</sup>	Bathroom	Floor Tile & Mastic	40 Sq. Ft.

#### Homogeneous Material Codes

MPT            Tar Paper  
MDW            Drywall/Joint Compound

**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

**Basement not accessible. 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 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>1</u>	Fire Extinguishers (both <b>portable</b> and installed HALON suppression systems) – 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 -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>2</u>	Junk Auto Tires – Back Yard
<u>N/A</u>	Junk Vehicles

\* 2 Gallons Paint in Dining Room

## 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. 234470	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/18/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 04/25/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2121

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Brown Backing	Asbestos Not Present	Cellulose 100	
002	2	Homogeneous	Brown Backing	Asbestos Not Present	Cellulose 100	
003	3	Homogeneous	Brown Backing	Asbestos Not Present	Cellulose 100	
004	4	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 2	Gypsum
005	5	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
006	6	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
006a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 2	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. 234470

Account Number: B929

Date Received: 04/18/2014

Received By: Sherrie Leftwich

Date Analyzed: 04/25/2014

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: 14-200-042.2121

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
				4/25/2014		
				Date of Report		

*Cristal Veech*  
Cristal Veech, Analyst

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.



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. \_\_\_\_\_  
 Accept \_\_\_\_\_ Reject \_\_\_\_\_

Report Results (check one box)  
 QuantEM Website  
 Other\_email \_\_\_\_\_

**Contact Information**  
 Company: Harenda Management Group  
 Contact: Dean Jacobsen  
 Account #: B929  
 E-mail: djacobsen@harenda.com  
 Date: \_\_\_\_\_

**Project Information**  
 Project Name: DNS  
 Project Location: Milwaukee, WI  
 Project ID: 14-200-042.2121  
 P.O. Number: \_\_\_\_\_

RELINQUISHED BY <i>[Signature]</i>	DATE & TIME 4/17/14 1800	VIA FedEx	RECEIVED BY <i>[Signature]</i>	DATE & TIME 4/18/14 9:50
---------------------------------------	-----------------------------	--------------	-----------------------------------	-----------------------------

**REQUESTED SERVICES (Please check the appropriate boxes)**

No.	Sample ID (10 Characters Max)	To Be Analyzed	PLM		TEM		TEM		Description	Volume / Area (as applicable)	Comments / Notes
			<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> 1000 Point Count	<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> Particle ID	<input type="checkbox"/> Air- AHERA			
1		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
2		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
3		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
4		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
5		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
6		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
7		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
8		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
9		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
10		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

## **IX. HMG CERTIFICATION**

# Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305  
NEW BERLIN WI 53151-2105

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

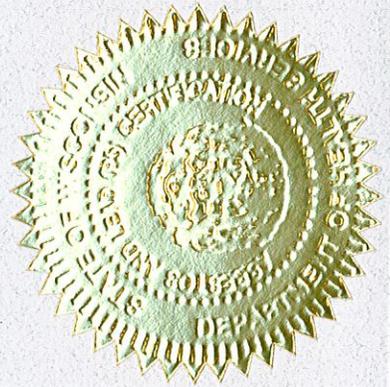
Asbestos Company - Primary

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

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



*Shelley A. Bruce*  
Shelley A. Bruce,  
Unit Supervisor





**ASBESTOS INSPECTOR**

Issued By

**STATE OF WISCONSIN**  
Dept. of Health Services

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

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

Training due by: 03/19/2015



**ASBESTOS INSPECTION REPORT**

**Job Site:**

**One Family Dwelling  
1933 North 30<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.: 14-200-042.1933  
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**

**TABLE OF CONTENTS**

I. Introduction.....2

II. Building Survey .....2

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

IV. Findings and Observations.....3

V. Exclusions.....4

VI. Limitations .....5

VII. Pre-Demolition Environmental Checklist.....6

VIII. Laboratory Results .....10

IX. HMG Certifications .....11

## 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 1933 North 30<sup>th</sup> Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, fiberboard, tar paper, drywall/joint compound, linoleum, window glazing compound, 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 April 10, 2014 HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 1933 North 30<sup>th</sup> Street, Milwaukee, Wisconsin. The inspection was conducted by Damian Rogowski, Wisconsin License No. AII – 161300.**

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building.
2. Sampling and documentation of observable suspect materials. Category I non-friable materials were assumed to be asbestos containing and not sampled 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, fiberboard, tar paper, drywall/joint compound, linoleum, window glazing compound, and duct paper. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1a	Exterior – east wall under vinyl siding – fiberboard	Negative	N/A	MFB
1b	Exterior – east wall under fiberboard – tar paper	Negative	N/A	MPT
2a	Exterior – west wall under vinyl siding – fiberboard	Negative	N/A	MFB
2b	Exterior – west wall under fiberboard – tar paper	Negative	N/A	MPT
3a	Exterior – south wall under vinyl siding – fiberboard	Negative	N/A	MFB
3b	Exterior – south wall under fiberboard – tar paper	Negative	N/A	MPT
4	Exterior – east wall under wood siding – tar paper #2	Negative	N/A	MPT2
5	Exterior – west wall under wood siding – tar paper #2	Negative	N/A	MPT2
6	Exterior – south wall under wood siding – tar paper #2	Negative	N/A	MPT2
7a	2 <sup>nd</sup> floor – hall – south wall – joint compound	Negative	N/A	MDW
7b	2 <sup>nd</sup> floor – hall – south wall – drywall	Negative	N/A	MDW
8	1 <sup>st</sup> floor – kitchen – west wall – drywall	Negative	N/A	MDW
9a	1 <sup>st</sup> floor – living room – north wall – joint compound	Negative	N/A	MDW
9b	1 <sup>st</sup> floor – living room – north wall – drywall	Negative	N/A	MDW
10	2 <sup>nd</sup> floor – north bedroom – under carpet – gray linoleum	Negative	N/A	MFLy
11	2 <sup>nd</sup> floor – southwest bedroom – west window – glazing compound	Negative	N/A	MPG
12	2 <sup>nd</sup> floor – stairs – west wall – texture	Negative	N/A	STX
13	1 <sup>st</sup> floor – south bedroom – ceiling – texture	Negative	N/A	STX
14	1 <sup>st</sup> floor – dining room – ceiling – texture	Negative	N/A	STX
<b>15</b>	<b>2<sup>nd</sup> floor – north bedroom – on south wall duct – duct paper</b>	<b>Positive 65% Chrysotile</b>	<b>4 Sq. Ft.</b>	<b>TDW</b>
16a	1 <sup>st</sup> floor – kitchen – under plywood – yellow linoleum	Negative	N/A	MFLI
16b	1 <sup>st</sup> floor – kitchen – under linoleum – paper insulation	Negative	N/A	MFLI
17	1 <sup>st</sup> floor – bathroom – under wall panel – mastic	Negative	N/A	MWM
18a	1 <sup>st</sup> floor – living room – north wall – plaster skim coat	Negative	N/A	SPI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
18b	1 <sup>st</sup> floor – living room – north wall – plaster base coat	Negative	N/A	SPI
19a	2 <sup>nd</sup> floor – east bedroom – south wall – plaster skim coat	Negative	N/A	SPI
19b	2 <sup>nd</sup> floor – east bedroom – south wall – plaster base coat	Negative	N/A	SPI
20	1 <sup>st</sup> floor – kitchen – west wall – plaster	Negative	N/A	SPI
21a	2 <sup>nd</sup> floor – bathroom – east wall – plaster skim coat	Negative	N/A	SPI
21b	2 <sup>nd</sup> floor – bathroom – east wall – plaster base coat	Negative	N/A	SPI
22a	1 <sup>st</sup> floor – stair – south wall – patch layer	Negative	N/A	SPI
22a	1 <sup>st</sup> floor – stair – south wall – plaster skim coat	Negative	N/A	SPI
22b	1 <sup>st</sup> floor – stair – south wall – plaster base coat	Negative	N/A	SPI

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

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

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,000 Sq. Ft.
1 <sup>st</sup>	Entry/Bathroom/Kitchen/Stair	Floor Tile & Mastic	300 Sq. Ft
2 <sup>nd</sup>	Bathroom/Bedrooms/Stair	Floor Tile & Mastic	550 Sq. Ft

#### Homogeneous Material Codes

SPI	Plaster
STX	Texture
MFLI	Yellow Linoleum
MFB	Fiberboard
MPT	Tar Paper
MPT2	Tar Paper #2
MDW	Drywall/Joint Compound
MFLy	Gray Linoleum
MFLI	Yellow Linoleum
MPG	Glazing Compound
MWM	Wall Mastic
TDW	Duct Paper

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

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

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

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

## V. EXCLUSIONS

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

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

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

## VI. LIMITATIONS

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

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

## VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

## **ASBESTOS**

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

## **CFCs and HALONS**

Equipment that may contain CFCs and Halons:

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

## **LEAD**

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

## MERCURY

Products that may contain mercury:

### LIGHTING

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

### HVAC

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

### HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

<u>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 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>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

- \* 8 Gallons Paint in 2<sup>nd</sup> Floor
- \* 1 Gas Meter on Exterior
- \* 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. 234131	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/11/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/18/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1933

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
001a		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 85	Binder
002	2	Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
002a		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 85	Binder
003	3	Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
003a		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 85	Binder
004	4	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar

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

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



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

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 234131

Account Number: B929

Date Received: 04/11/2014

Received By: Joanna Mueller

Date Analyzed: 04/18/2014

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: 14-200-042.1933

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
005	5	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
006	6	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
007	7	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
007a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
008	8	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
009	9	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
009a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	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. 234131	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/11/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/18/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1933

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010	10	Homogeneous	Gray Linoleum	Asbestos Not Present	Cellulose 25	Tar
011	11	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
012	12	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
013	13	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
014	14	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
015	15	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 65	Cellulose 25	Binder
016	16	Layered	Yellow Sheet Vinyl	Asbestos Not Present	Cellulose 25	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.



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

### Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 234131	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/11/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/18/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1933

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
017	17	Homogeneous	Gray Mastic	Asbestos Not Present	NA	Glue
018	18	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
018a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
019	19	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
019a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
020	20	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz 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.

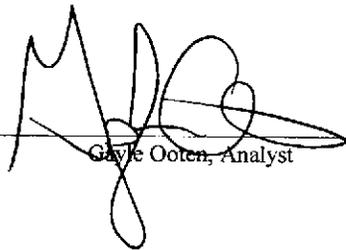


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 234131	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/11/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/18/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1933

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
021	21	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
021a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
022	22	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
022a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
022b		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3



Gayle Ooten, Analyst

4/18/2014  
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.



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

## LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

<b>Contact Information</b> Company: Harenda Management Group Contact: Dean Jacobsen Account #: B929 Phone: (414) 383-4800 Cell Phone: E-mail: djacobsen@harenda.com Date:		<b>Project Information</b> Project Name: DNS Project Location: Milwaukee, WI Project ID: 14-200-042.1933 P.O. Number:	
<b>SAMPLED BY:</b> Name: <i>Dean Jacobsen</i>		<b>REPORT RESULTS (☑ one box)</b> <input checked="" type="checkbox"/> QuantEM Website <input type="checkbox"/> Other_email	

<b>RELINQUISHED BY</b> <i>Dean Jacobsen</i>	<b>DATE &amp; TIME</b> 4/10/14 1800	<b>VIA</b> FedEx	<b>RECEIVED BY</b> <i>Amel</i>	<b>DATE &amp; TIME</b> 4/11/14 9:50
--	--	---------------------	-----------------------------------	--

**REQUESTED SERVICES (Please ☑ 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	<b>PCM</b>	<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"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/> Other	<input type="checkbox"/> 3 - Day	
<input type="checkbox"/> Particle ID		<input type="checkbox"/> Waste Water- EPA 600/4-83-043			<input checked="" 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 / Mastic



**QUANTEM**  
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

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

For Lab Use Only
Lab No. <u>23M131</u>
<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject

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

## **IX. HMG CERTIFICATION**

# Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305  
NEW BERLIN WI 53151-2105

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

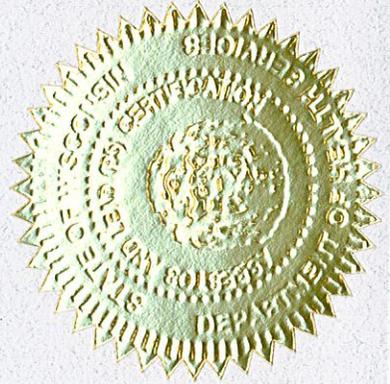
Asbestos Company - Primary

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

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



*Shelley A. Bruce*  
Shelley A. Bruce,  
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Damian Scott Rogowski

140 E Davis St

Beaver Dam WI 53916-2943

		185 lbs	5' 10"
II-161300	Exp: 03/19/2015	12/01/1980	Male

expiration date: 03/19/2015



**ASBESTOS INSPECTION REPORT**

**Job Site:**

**Two Family Dwelling  
2519 North 37<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.: 14-200-042.2519  
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**

**TABLE OF CONTENTS**

I. Introduction.....2

II. Building Survey .....2

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

IV. Findings and Observations.....3

V. Exclusions.....5

VI. Limitations .....5

VII. Pre-Demolition Environmental Checklist.....6

VIII. Laboratory Results .....10

IX. HMG Certifications .....11

## 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 2519 North 37<sup>th</sup> Street, Milwaukee, Wisconsin.

The inspection included plaster, fiberboard, tar paper, flue packing, drywall/joint compound, linoleum, 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 April 10, 2014 HMG conducted an asbestos inspection of a two family dwelling and garage, scheduled for mechanical demolition, located at 2519 North 37<sup>th</sup> Street, Milwaukee, Wisconsin. The inspection was conducted by Damian Rogowski, Wisconsin License No. AII – 161300.**

The inspection was comprised of three elements:

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

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

## III. THE LABORATORY

### A. METHOD OF ANALYSIS

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

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

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

#### IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Garage – north wall under wood siding – tar paper	Negative	N/A	MPT
2	Garage – south wall under wood siding – tar paper	Negative	N/A	MPT
3	Garage – east wall under wood siding – tar paper	Negative	N/A	MPT
4	Exterior – east wall under aluminum siding – fiberboard	Negative	N/A	MFB
5	Exterior – south wall under aluminum siding – fiberboard	Negative	N/A	MFB
6	Exterior – west wall under aluminum siding – fiberboard	Negative	N/A	MFB
7	Exterior – east wall under wood siding – tar paper #2	Negative	N/A	MPT2
8	Exterior – south wall under wood siding – tar paper #2	Negative	N/A	MPT2
9	Exterior – west wall under wood siding – tar paper #2	Negative	N/A	MPT2
<b>10</b>	<b>Basement – on chimney – flue packing</b>	<b>Positive 60% Chrysotile</b>	<b>6 Sq. Ft.</b>	<b>TFP</b>
11	2 <sup>nd</sup> floor – closet – under carpet – tan linoleum	Negative	N/A	MFLt
<b>12a</b>	<b>2<sup>nd</sup> floor – kitchen – west side under 2 layers floor tile and plywood – yellow linoleum</b>	<b>Positive 25% Chrysotile</b>	<b>280 Sq. Ft.</b>	<b>MFLI</b>
12b	2 <sup>nd</sup> floor – kitchen – west side under yellow linoleum – paper insulation	Negative	N/A	MFLI
<b>13a</b>	<b>2<sup>nd</sup> floor – kitchen – east side under 2 layers floor tile and plywood – yellow linoleum</b>	<b>Positive 25% Chrysotile</b>	<b>Reference Sample 12a</b>	<b>MFLI</b>
13b	2 <sup>nd</sup> floor – kitchen – east side under yellow linoleum – paper insulation	Negative	N/A	MFLI
<b>14a</b>	<b>2<sup>nd</sup> floor – bathroom - under 2 layers floor tile and plywood – yellow linoleum</b>	<b>Positive 25% Chrysotile</b>	<b>Reference Sample 12a</b>	<b>MFLI</b>
14b	2 <sup>nd</sup> floor – bathroom -under yellow linoleum – paper insulation	Negative	N/A	MFLI
15	2 <sup>nd</sup> floor – southeast closet – white and black linoleum	Negative	N/A	MFLwk
16	2 <sup>nd</sup> floor – stair – under floor tile – white linoleum	Negative	N/A	MFLw
17	1 <sup>st</sup> floor – kitchen – under floor tile – white linoleum	Negative	N/A	MFLw
18	Basement – stair – under floor tile – white linoleum	Negative	N/A	MFLw

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
19a	1 <sup>st</sup> floor – living room – east wall – plaster skim coat	Negative	N/A	SPI
19b	1 <sup>st</sup> floor – living room – east wall – plaster base coat	Negative	N/A	SPI
20a	2 <sup>nd</sup> floor – entry – west wall – patch layer	Negative	N/A	SPI
20b	2 <sup>nd</sup> floor – entry – west wall – plaster skim coat	Negative	N/A	SPI
20c	2 <sup>nd</sup> floor – entry – west wall – plaster base coat	Negative	N/A	SPI
21a	1 <sup>st</sup> floor – living room – east wall – plaster skim coat	Negative	N/A	SPI
21b	1 <sup>st</sup> floor – northeast bedroom – south wall – plaster base coat	Negative	N/A	SPI
22	2 <sup>nd</sup> floor – west bedroom – north wall – plaster	Negative	N/A	SPI
23	1 <sup>st</sup> floor – living room – east wall – plaster	Negative	N/A	SPI
24a	1 <sup>st</sup> floor – bathroom – north wall – joint compound	Negative	N/A	MDW
24b	1 <sup>st</sup> floor – bathroom – north wall – drywall	Negative	N/A	MDW
25	2 <sup>nd</sup> floor – closet – east wall – drywall	Negative	N/A	MDW
26a	1 <sup>st</sup> floor – northwest bedroom – west wall – joint compound	Negative	N/A	MDW
26b	1 <sup>st</sup> floor – northwest bedroom – west wall – drywall	Negative	N/A	MDW
27a	1 <sup>st</sup> floor – bathroom – on wall – green ceramic tile	Negative	N/A	MCTMg
27b	1 <sup>st</sup> floor – bathroom – on wall – grout	Negative	N/A	MCTMg

**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.
Roof	Garage	Asphalt Shingles & Flashing	450 Sq. Ft.
1 <sup>st</sup>	All Rooms	Floor Tile & Mastic	1,700 Sq. Ft.
2 <sup>nd</sup>	All Rooms	Floor Tile & Mastic	1,500 Sq. Ft.

#### Homogeneous Material Codes

SPI	Plaster
MPT	Tar Paper
MPT2	Tar Paper #2
MFB	Fiberboard
MFLt	Tan Linoleum
MFLI	Yellow Linoleum
MFLwk	White & Black Linoleum
MFLw	White Linoleum
MDW	Drywall/Joint Compound
MCTMg	Green 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

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

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

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

## VI. LIMITATIONS

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

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

## VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

### **ASBESTOS**

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

### **CFCs and HALONS**

Equipment that may contain CFCs and Halons:

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

### **LEAD**

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

## MERCURY

Products that may contain mercury:

### LIGHTING

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

### BOILERS, FURNACES, HEATERS AND TANKS

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

## **ELECTRICAL SYSTEMS – 3 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>2</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

\* 2 Gas Meters on Exterior

## VIII. LABORATORY RESULTS



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

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 233956	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/08/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/15/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2519

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	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
005	5	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
006	6	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
007	7	Homogeneous	Green Paper	Asbestos Not Present	Cellulose 90	Binder

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

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



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

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 233956	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/08/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/15/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2519

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Tan Paper	Asbestos Not Present	Cellulose 90	Binder
009	9	Homogeneous	Tan Paper	Asbestos Not Present	Cellulose 90	Binder
010	10	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 15	Binder
011	11	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar
012	12	Layered	Brown Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
012a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
013	13	Homogeneous	Brown 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.



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

### Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 233956	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/08/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/15/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2519

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Layered	Brown Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
014a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
015	15	Homogeneous	Black/Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar
016	16	Homogeneous	Gray Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar
017	17	Homogeneous	Gray Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar
018	18	Homogeneous	Gray Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar
019	19	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz 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. 233956	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/08/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/15/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2519

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
020	20	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
020a		Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3
020b		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
021	21	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
021a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
022	22	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz 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. 233956	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/08/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/15/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2519

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023	23	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
024	24	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
024a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
025	25	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum Paint
026	26	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
026a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
027	27	Layered	Green Ceramic Tile	Asbestos Not Present	NA	Clay

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

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



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

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 233956

Account Number: B929

Date Received: 04/08/2014

Received By: Joanna Mueller

Date Analyzed: 04/15/2014

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: 14-200-042.2519

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
027a		Layered	Tan Grout	Asbestos Not Present	NA	Quartz CaCO3

Gayle Ooten, Analyst

4/15/2014

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

LABORATORIES  
www.QuanTEM.com

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

For Lab Use Only  
 Lab No. 233956  
 Accept  Reject

<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>SAMPLED BY:</b> Name:		<b>Project Information</b> Project Name: <b>DNS</b> Project Location: <b>Milwaukee, WI</b> Project ID: <b>14-200-042.2519</b> P.O. Number:	
<b>Report Results (one box)</b> <input checked="" type="checkbox"/> QuantEM Website <input type="checkbox"/> Other_email		<b>RECEIVED BY</b> <i>[Signature]</i>	

<b>RELINQUISHED BY</b> <i>[Signature]</i>	<b>DATE &amp; TIME</b> 4/7/14 1800	<b>VIA</b> FedEx	<b>DATE &amp; TIME</b> 4/8/14 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"/> Other	<input type="checkbox"/> Air-AHERA <input type="checkbox"/> Air-NIOSH 7402 <input type="checkbox"/> Air-ISO 10312	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116 <input type="checkbox"/> Bulk- Quantitative (weight%) - Chatfield <input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> Rush <input type="checkbox"/> Same Day <input type="checkbox"/> 24 - Hour <input type="checkbox"/> 3 - Day <input checked="" type="checkbox"/> 5 - Day
<input type="checkbox"/>	400 Point Count				
<input type="checkbox"/>	1000 Point Count				
<input type="checkbox"/>	Gravimetric Preparation	<input type="checkbox"/> PCM NIOSH 7400	<input type="checkbox"/> Drinking Water- EPA 100.2 <input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Dust- Quantitative (fibers/sq.cm)- ASTM D5755 <input type="checkbox"/> Other	
<input type="checkbox"/>	Particle ID				

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



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

Page 2 of 2

For Lab Use Only

Lab No. 233956

Accept  Reject

Project Information				Project Location:	Project Name:	
Company: Harenda Management Group		Project Name: DNS		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"/>				Do Not Test Mastic
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	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 checked="" type="checkbox"/>				
28		<input type="checkbox"/>				
29		<input type="checkbox"/>				
30		<input type="checkbox"/>				

## **IX. HMG CERTIFICATION**

# Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305  
NEW BERLIN WI 53151-2105

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

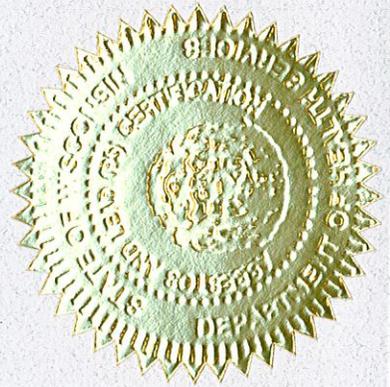
Asbestos Company - Primary

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

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



*Shelley A. Bruce*  
Shelley A. Bruce,  
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Damian Scott Rogowski

140 E Davis St

Beaver Dam WI 53916-2943

		185 lbs	5' 10"
II-161300	Exp: 03/19/2015	12/01/1980	Male

expiration date: 03/19/2015



**ASBESTOS INSPECTION REPORT**

**Job Site:**

**Two Family Dwelling  
2541-43 North 40<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.: 14-200-042.2541-43  
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**

**TABLE OF CONTENTS**

I. Introduction.....2

II. Building Survey .....2

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

IV. Findings and Observations.....3

V. Exclusions.....5

VI. Limitations .....5

VII. Pre-Demolition Environmental Checklist.....6

VIII. Laboratory Results .....10

IX. HMG Certifications .....11

## 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 2541-43 North 40<sup>th</sup> Street, Milwaukee, Wisconsin.

The inspection included plaster, stucco, tar paper, duct paper, flue packing, linoleum, window glazing compound, 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 April 17, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 2541-43 North 40<sup>th</sup> Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.**

The inspection was comprised of three elements:

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

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

## III. THE LABORATORY

### A. METHOD OF ANALYSIS

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

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

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

#### IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, stucco, tar paper, duct paper, flue packing, linoleum, window glazing compound, and ceramic tile. 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 – south wall under wood siding – tar paper	Negative	N/A	MPT
4	Exterior – east wall – stucco	Negative	N/A	STC
5	Exterior – east wall – stucco	Negative	N/A	STC
6	Exterior – east wall – stucco	Negative	N/A	STC
7	<b>Basement – on furnace duct – duct paper Also, 50 sq. ft. of floor contaminated</b>	<b>Positive 65% Chrysotile</b>	<b>70 Sq. Ft.</b>	<b>TDW</b>
8	<b>1<sup>st</sup> floor – living room – on wall duct – duct paper</b>	<b>Positive 65% Chrysotile</b>	<b>Reference Sample 7</b>	<b>TDW</b>
9	<b>2<sup>nd</sup> floor – kitchen – on wall duct – duct paper</b>	<b>Positive 65% Chrysotile</b>	<b>Reference Sample 7</b>	<b>TDW</b>
10a	Basement – on chimney – dark gray flue packing top layer	Negative	N/A	TFPydark
10b	Basement – on chimney – dark gray flue packing bottom layer	Negative	N/A	TFPydark
11	<b>Basement – on chimney – light gray flue packing</b>	<b>Positive 10% Chrysotile</b>	<b>2 Sq. Ft.</b>	<b>TFPylight</b>
12	Basement – black and tan linoleum	Negative	N/A	MFLkt
13	Attic – white and blue linoleum	Negative	N/A	MFLwb
14	Attic – gray and blue linoleum	Negative	N/A	MFLyb
14	Attic – under linoleum – paper insulation	Negative	N/A	MFLyb
15	Attic – white and red linoleum	Negative	N/A	MFLwr
16	2 <sup>nd</sup> floor – kitchen – west wall – plaster	Negative	N/A	SPI
17	2 <sup>nd</sup> floor – living room – east wall – plaster	Negative	N/A	SPI
18a	2 <sup>nd</sup> floor – stair – north wall – patch layer	Negative	N/A	SPI
18b	2 <sup>nd</sup> floor – stair – north wall – plaster	Negative	N/A	SPI
19	1 <sup>st</sup> floor – center bedroom – south wall – plaster	Negative	N/A	SPI
20a	1 <sup>st</sup> floor – dining room – ceiling – patch layer	Negative	N/A	SPI
20b	1 <sup>st</sup> floor – dining room – ceiling – plaster	Negative	N/A	SPI
21	1 <sup>st</sup> floor – porch – east window – glazing compound	Negative	N/A	MPG
22	2 <sup>nd</sup> floor – living room – south window – glazing compound	Negative	N/A	MPG
23	2 <sup>nd</sup> floor – kitchen – west window – glazing compound	Negative	N/A	MPG

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
24	2 <sup>nd</sup> floor – pantry – green and tan linoleum	Negative	N/A	MFLgt
<b>25a</b>	<b>2<sup>nd</sup> floor – kitchen – green linoleum</b>	<b>Positive 25% Chrysotile</b>	<b>150 Sq. Ft.</b>	<b>MFLg</b>
25b	2 <sup>nd</sup> floor – kitchen – under linoleum – paper insulation	Negative	N/A	MFLg
26a	2 <sup>nd</sup> floor – bathroom – on wall – beige ceramic tile	Negative	N/A	MCTMe
26b	2 <sup>nd</sup> floor – bathroom – on wall – grout	Negative	N/A	MCTMe
26c	2 <sup>nd</sup> floor – bathroom – on wall – mortar	Negative	N/A	MCTMe
27a	2 <sup>nd</sup> floor – bathroom floor – tan ceramic tile	Negative	N/A	MCTMt
27b	2 <sup>nd</sup> floor – bathroom floor – grout	Negative	N/A	MCTMt

**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	1,400 Sq. Ft.
1 <sup>st</sup>	Hall/Kitchen/Bathroom/Pantry/Stair	Floor Tile & Mastic	540 Sq. Ft
2 <sup>nd</sup>	Hall	Floor Tile & Mastic	50 Sq. Ft
2 <sup>nd</sup>	Kitchen/Bathroom/Pantry	Floor & Wall Mastic	370 Sq. Ft

#### Homogeneous Material Codes

SPI	Plaster
STC	Stucco
MPT	Tar Paper
MFLwb	White & Blue Linoleum
MFLkt	Black & Tan Linoleum
MFLyb	Gray & Blue Linoleum
MFLwr	White & Red Linoleum
MFLgt	Green & Tan Linoleum
MFLg	Green Linoleum
MPG	Glazing Compound
MCTMe	Beige Ceramic Tile
MCTMt	Tan Ceramic Tile
TFPydark	Dark Flue Packing
TFPylight	Light 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 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>4</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>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 Electric Meters on 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

\* 20 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. 234471	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/18/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 04/25/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2541-43

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	Tan Paint	Asbestos Not Present	NA	Paint
005	5	Homogeneous	Tan Paint	Asbestos Not Present	NA	Paint
006	6	Homogeneous	Tan Paint	Asbestos Not Present	NA	Paint
007	7	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 65	Cellulose 15	Binder

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

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



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

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 234471	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/18/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 04/25/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2541-43

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 65	Cellulose 15	Binder
009	9	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 65	Cellulose 15	Binder
010	10	Layered	Gray Cement	Asbestos Not Present	NA	Sand CaCO3
010a		Layered	Gray Insulation	Asbestos Not Present	Cellulose 60 Hair <1	Binder
011	11	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 10	Cellulose 10	CaCO3
012	12	Layered	Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar Binder
013	13	Homogeneous	Blue Linoleum	Asbestos Not Present	Cellulose 25	Tar

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

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



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

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 234471	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/18/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 04/25/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2541-43

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Layered	Multi-Color Linoleum	Asbestos Not Present	Cellulose 30	Tar Binder
014a		Layered	Gray Backing	Asbestos Not Present	Cellulose 100	
015	15	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 25	Tar Binder
016	16	Homogeneous	Tan Plaster	Asbestos Not Present	NA	Sand CaCO3
017	17	Homogeneous	Tan Plaster	Asbestos Not Present	NA	Sand CaCO3
018	18	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
018a		Layered	Gray Plaster	Asbestos Not Present	NA	Gypsum 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.



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

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 234471	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/18/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 04/25/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2541-43

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019	19	Homogeneous	Tan Plaster	Asbestos Not Present	NA	Sand CaCO3
020	20	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
020a		Layered	Tan Plaster	Asbestos Not Present	NA	Sand CaCO3
021	21	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
022	22	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
023	23	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
024	24	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar Plastic

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. 234471	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/18/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 04/25/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2541-43

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
025	25	Layered	Green Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
025a		Layered	Brown Backing	Asbestos Not Present	Cellulose 100	
026	26	Layered	Beige Ceramic Tile	Asbestos Not Present	Wollastonite 10	Clay
026a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue Binder
026b		Layered	White Leveling Compound	Asbestos Not Present	NA	CaCO3
027	27	Layered	Tan Ceramic Tile	Asbestos Not Present	NA	Clay
027a		Layered	Gray Grout	Asbestos Not Present	NA	Sand CaCO3

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

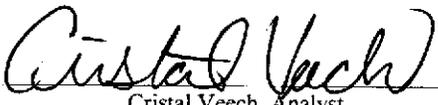
Quantem is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP 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. 234471	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/18/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 04/25/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2541-43

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
 Cristal Veech, Analyst				4/25/2014		
				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

LABORATORIES  
 www.QuanTEM.com

## LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only  
 Lab No. 234471  
 Accept  Reject

<b>Contact Information</b> Company: <b>Harendra Management Group</b> Contact: <b>Dean Jacobsen</b> Account #: <b>B929</b> Phone: <b>(414) 383-4800</b> Cell Phone: E-mail: <b>djacobsen@harendra.com</b> Date: <b>SAMPLED BY:</b> <i>[Signature]</i> Name:		<b>Project Information</b> Project Name: <b>DNS</b> Project Location: <b>Milwaukee, WI</b> Project ID: <b>14-200-042.2541-43</b> P.O. Number:	
--	--	---	--

<b>RELINQUISHED BY</b> <i>[Signature]</i>	<b>DATE &amp; TIME</b> <b>4/17/14 1800</b>	<b>VIA</b> <b>FedEx</b>	<b>RECEIVED BY</b> <b>S. R. HARRIS</b>	<b>DATE &amp; TIME</b> <b>4/18/14 9.50</b>
--	---	----------------------------	---	---

### REQUESTED SERVICES (Please check the appropriate boxes)

	PLM		TEM		TEM		TURNAROUND TIME
	<input type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> 400 Point Count	<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 checked="" type="checkbox"/>	<input 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"/>	<input type="checkbox"/> Same Day
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input 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"/>	<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"/>	<input checked="" 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**

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>234471</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

Project Information		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		<input checked="" type="checkbox"/>					
12		<input type="checkbox"/>					
13		<input type="checkbox"/>					
14		<input type="checkbox"/>					
15		<input type="checkbox"/>					
16	<del>2016</del>	<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 checked="" type="checkbox"/>				Do Not Test Mastic	
28		<input type="checkbox"/>					
29		<input type="checkbox"/>					
30		<input type="checkbox"/>					

## **IX. HMG CERTIFICATION**

# Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305  
NEW BERLIN WI 53151-2105

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

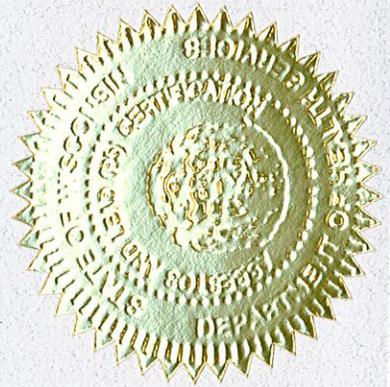
Asbestos Company - Primary

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

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



*Shelley A. Bruce*  
Shelley A. Bruce,  
Unit Supervisor





**ASBESTOS INSPECTOR**

Issued By

**STATE OF WISCONSIN**  
Dept. of Health Services

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

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

Training due by: 03/19/2015



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

**Fire Damaged**  
**One Family Dwelling**  
**3260 North Richards 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.: 14-200-042.3260**  
**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**

**TABLE OF CONTENTS**

I. Introduction.....2

II. Building Survey .....2

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

IV. Findings and Observations.....3

V. Exclusions.....5

VI. Limitations .....5

VII. Pre-Demolition Environmental Checklist.....6

VIII. Laboratory Results .....10

IX. HMG Certifications .....11

## 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 3260 North Richards Street, Milwaukee, Wisconsin.

The inspection included plaster, tar paper, window glazing compound, 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 April 17, 2014 HMG conducted an asbestos inspection of a two family front dwelling, scheduled for mechanical demolition, located at 3260 North Richards Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.**

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building.
2. Sampling and documentation of observable suspect materials. Category I non-friable materials were assumed to be asbestos containing and not sampled 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, window glazing compound, and ceramic tile. 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 – south wall under wood siding – tar paper	Negative	N/A	MPT
4	1 <sup>st</sup> floor – living room – on window – glazing compound	Negative	N/A	MPG
5	1 <sup>st</sup> floor – kitchen – on window – glazing compound	Negative	N/A	MPG
6	1 <sup>st</sup> floor – bedroom – on window – glazing compound	Negative	N/A	MPG
7a	1 <sup>st</sup> floor – kitchen floor – white ceramic tile	Negative	N/A	MCTMw
7b	1 <sup>st</sup> floor – kitchen floor – grout	Negative	N/A	MCTMw
7c	1 <sup>st</sup> floor – kitchen floor – under ceramic tile – mortar	Negative	N/A	MCTMw
8	1 <sup>st</sup> floor – living room – south wall – plaster	Negative	N/A	SPI
9	1 <sup>st</sup> floor – dining room – ceiling – plaster	Negative	N/A	SPI
10	1 <sup>st</sup> floor – kitchen – west wall – plaster	Negative	N/A	SPI
11	1 <sup>st</sup> floor – east bedroom – north wall – plaster	Negative	N/A	SPI
12	1 <sup>st</sup> floor – west bedroom – south wall – plaster	Negative	N/A	SPI
13	1 <sup>st</sup> floor – kitchen – on walls under fiberboard – mastic	Positive 12% Chrysotile	500 Sq. Ft.	MWM

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.
1 <sup>st</sup>	Hall/Bathroom/Stair	Floor Tile & Mastic	100 Sq. Ft.

#### Homogeneous Material Codes

SPI	Plaster
MPT	Tar Paper
MPG	Glazing Compound
MCTMw	White Ceramic Tile
MWM	Wall Mastic

**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 2<sup>nd</sup> floor and attic. Basement 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 Services. **Please follow the Asbestos Inspection and Sampling Protocol for Buildings to be Demolished or Renovated.**

## **CFCs and HALONS**

Equipment that may contain CFCs and Halons:

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

## **LEAD**

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

## MERCURY

Products that may contain mercury:

### LIGHTING

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

### HVAC

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

### HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

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

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

## **ELECTRICAL SYSTEMS – 1 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>N/A</u>	Light Ballasts
<u>N/A</u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u>N/A</u>	Sumps or Oil Traps (in maintenance and industrial facilities)

### **OTHER ENVIRONMENTAL ISSUES**

<u>N/A</u>	Hazardous Waste
<u>N/A</u>	Oil Tanks
<u>N/A</u>	Well Abandonment
<u>1</u>	Junk Auto Tires – Basement
<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. 234469	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/18/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 04/25/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3260

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	Layered	Cream Ceramic Tile	Asbestos Not Present	NA	Clay

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

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



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

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 234469	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/18/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 04/25/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3260

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007a		Layered	Gray Grout	Asbestos Not Present	NA	Sand CaCO3
007b		Layered	White Mastic	Asbestos Not Present	NA	Glue Binder
008	8	Homogeneous	Light Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
009	9	Homogeneous	Light Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
010	10	Homogeneous	Light Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
011	11	Homogeneous	Light Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
012	12	Homogeneous	Light Gray Plaster	Asbestos Not Present	NA	Sand CaCO3

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

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



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

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 234469

Account Number: B929

Date Received: 04/18/2014

Received By: Sherrie Leftwich

Date Analyzed: 04/25/2014

Analyzed By: Cristal Veech

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: 14-200-042.3260

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013	13	Homogeneous	Black Caulk	Asbestos Present Chrysotile 12	NA	Binder

Cristal Veech, Analyst

4/25/2014  
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

www.QuanTEM.com

## LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only  
 Lab No. 234469  
 Accept  Reject

Report Results ( one box)  
 QuanTEM Website  
 Other email

**Contact Information**  
 Company: Harendra Management Group  
 Contact: Dean Jacobsen  
 Account #: B929  
 E-mail: djacobsen@harendra.com  
 Project Name: DNS  
 Project Location: Milwaukee, WI  
 Project ID: 14-200-042.3260  
 P.O. Number:

**Project Information**  
 Project Name: DNS  
 Project Location: Milwaukee, WI  
 Project ID: 14-200-042.3260  
 P.O. Number:

**SAMPLED BY:** Name: [Signature] Date: 4/17/14 Time: 1800  
**RELINQUISHED BY:** Name: [Signature] Date: 4/17/14 Time: 1800  
**VIA:** FedEx **RECEIVED BY:** S. Hatcher **DATE & TIME:** 4/18/14 9:50

**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"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> 24 - Hour	<input type="checkbox"/> 3 - 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"/> 5 - Day	
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Other			
<input type="checkbox"/> 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"/>				



**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**

Page 2 of 2  
 For Lab Use Only  
 Lab No. 234469  
 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
11	(1)	<input checked="" type="checkbox"/>			
12	(2)	<input checked="" type="checkbox"/>			
13	(3)	<input checked="" 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 type="checkbox"/>			

## **IX. HMG CERTIFICATION**

# Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305  
NEW BERLIN WI 53151-2105

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

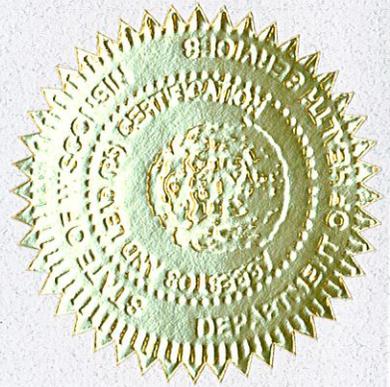
Asbestos Company - Primary

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

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



*Shelley A. Bruce*  
Shelley A. Bruce,  
Unit Supervisor





**ASBESTOS INSPECTOR**

Issued By

**STATE OF WISCONSIN**  
Dept. of Health Services

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

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

Training due by: 03/19/2015