



**ASBESTOS INSPECTION REPORT**

**Job Site:**

**Mixed Use Building  
1226 West Burleigh 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.: 14-200-042.1226  
Contract No.: 360-14-0745**

Dean Jacobsen  
Asbestos Inspector No. AII - 14370

**Prepared by:**

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

**July 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.....6

VI. Limitations .....6

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 building at 1226 West Burleigh Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, duct paper, magnesia insulation, ceramic tile, vinyl wallbase, linoleum, ceiling tile, 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 July 24, 2014 HMG conducted an asbestos inspection of a mixed use building, scheduled for mechanical demolition, located at 1226 West Burleigh Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AI – 12823.**

The inspection was comprised of three elements:

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Basement – on pipes – duct paper remnants	Positive 75% Chrysotile	30 Ln. Ft.	TDW
2	Basement – on pipes – magnesia remnants	Positive 45% Chrysotile	90 Ln. Ft.	TM
3a	1 <sup>st</sup> floor – store – east wall – patch layer	Negative	N/A	SPI
3b	1 <sup>st</sup> floor – store – east wall – plaster skim coat	Negative	N/A	SPI
3c	1 <sup>st</sup> floor – store – east wall – plaster base coat	Negative	N/A	SPI
4a	1 <sup>st</sup> floor – store – west wall – patch layer	Negative	N/A	SPI
4b	1 <sup>st</sup> floor – store – west wall – plaster	Negative	N/A	SPI
5	1 <sup>st</sup> floor – back hall – north wall – plaster	Negative	N/A	SPI
6	2 <sup>nd</sup> floor – kitchen – south wall – plaster	Negative	N/A	SPI
7	2 <sup>nd</sup> floor – storage room – north wall – plaster	Negative	N/A	SPI
8a	1 <sup>st</sup> floor – north room floor – west side – red ceramic tile	Negative	N/A	MCTMr
8b	1 <sup>st</sup> floor – north room floor – west side – grout	Negative	N/A	MCTMr
9a	1 <sup>st</sup> floor – north room floor – east side – red ceramic tile	Negative	N/A	MCTMr
9b	1 <sup>st</sup> floor – north room floor – east side – grout	Negative	N/A	MCTMr
10a	1 <sup>st</sup> floor – store – west wall – brown vinyl wallbase	Negative	N/A	MVn
10b	1 <sup>st</sup> floor – store – west wall – under wallbase – yellow mastic	Negative	N/A	MVn
11a	1 <sup>st</sup> floor – store – east wall – brown vinyl wallbase	Negative	N/A	MVn
11b	1 <sup>st</sup> floor – store – east wall – under wallbase – yellow mastic	Negative	N/A	MVn
12a	1 <sup>st</sup> floor – store – north wall – brown vinyl wallbase	Negative	N/A	MVn
12b	1 <sup>st</sup> floor – store – north wall – under wallbase – yellow mastic	Negative	N/A	MVn
13	1 <sup>st</sup> floor – west side under floor tile and plywood – white linoleum	Negative	N/A	MFLw
14	1 <sup>st</sup> floor – south side under floor tile and plywood – white linoleum	Negative	N/A	MFLw
15	1 <sup>st</sup> floor – east side under floor tile and plywood – white linoleum	Negative	N/A	MFLw

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
16	1 <sup>st</sup> floor – store – west side – 2' x 4' grooved ceiling tile	Negative	N/A	MSCT24G
17	1 <sup>st</sup> floor – store – south side – 2' x 4' grooved ceiling tile	Negative	N/A	MSCT24G
18	1 <sup>st</sup> floor – store – east side – 2' x 4' grooved ceiling tile	Negative	N/A	MSCT24G
19	2 <sup>nd</sup> floor – kitchen – 2' x 4' smooth ceiling tile	Negative	N/A	MSCT24S
20	2 <sup>nd</sup> floor – living room – 2' x 4' smooth ceiling tile	Negative	N/A	MSCT24S
21	2 <sup>nd</sup> floor – dining room – 2' x 4' smooth ceiling tile	Negative	N/A	MSCT24S
22a	1 <sup>st</sup> floor – store – west wall under wood panel – mastic	Negative	N/A	MWM
22b	1 <sup>st</sup> floor – store – west wall under mastic – texture	Negative	N/A	STX
23a	1 <sup>st</sup> floor – store – east wall under wood panel – mastic	Negative	N/A	MWM
23b	1 <sup>st</sup> floor – store – east wall under mastic – texture	Negative	N/A	STX
24a	1 <sup>st</sup> floor – north room – west wall under wood panel – mastic	Negative	N/A	MWM
24b	1 <sup>st</sup> floor – north room – west wall under mastic – texture	Negative	N/A	STX
25a	1 <sup>st</sup> floor – store – south wall – joint compound	Negative	N/A	MDW
25b	1 <sup>st</sup> floor – store – south wall – drywall	Negative	N/A	MDW
26a	1 <sup>st</sup> floor – north room – north wall – joint compound	Negative	N/A	MDW
26b	1 <sup>st</sup> floor – north room – north wall – drywall	Negative	N/A	MDW
27a	1 <sup>st</sup> floor – back hall – north wall – joint compound	Negative	N/A	MDW
27b	1 <sup>st</sup> floor – back hall – north wall – drywall	Negative	N/A	MDW
28a	1 <sup>st</sup> floor – bathroom floor – gray ceramic tile	Negative	N/A	MCTMy
28b	1 <sup>st</sup> floor – bathroom floor – grout	Negative	N/A	MCTMy
29a	1 <sup>st</sup> floor – bathroom wallbase – white ceramic tile	Negative	N/A	MCTMy
29b	1 <sup>st</sup> floor – bathroom wallbase – grout	Negative	N/A	MCTMy
30	1 <sup>st</sup> floor – bathroom – 2' x 4' drywall type ceiling tile	Negative	N/A	MSCT24D
31	1 <sup>st</sup> floor – north room – west side – 2' x 4' drywall type ceiling tile	Negative	N/A	MSCT24D
32	1 <sup>st</sup> floor – north room – east side – 2' x 4' drywall type ceiling tile	Negative	N/A	MSCT24D
33a	1 <sup>st</sup> floor – north addition – ceiling – joint compound #2	Negative	N/A	MDW2
33b	1 <sup>st</sup> floor – north addition – ceiling – drywall #2	Negative	N/A	MDW2
34	1 <sup>st</sup> floor – north addition – center wall – drywall #2	Negative	N/A	MDW2
35a	1 <sup>st</sup> floor – north addition – west wall – joint compound #2	Negative	N/A	MDW2
35b	1 <sup>st</sup> floor – north addition – west wall – drywall #2	Negative	N/A	MDW2
36a	1 <sup>st</sup> floor – north addition floor – south side – red and brown ceramic tile	Negative	N/A	MCTMrn

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
36b	1 <sup>st</sup> floor – north addition floor – south side – grout	Negative	N/A	MCTMrn
36c	1 <sup>st</sup> floor – north addition floor – under ceramic tile – mortar	Negative	N/A	MCTMrn
37a	1 <sup>st</sup> floor – north addition floor – north side – red and brown ceramic tile	Negative	N/A	MCTMrn
37b	1 <sup>st</sup> floor – north addition floor – north side – grout	Negative	N/A	MCTMrn
37c	1 <sup>st</sup> floor – north addition floor – north side – under ceramic tile – mortar	Negative	N/A	MCTMrn
38a	1 <sup>st</sup> floor – north addition floor – west side – red and brown ceramic tile	Negative	N/A	MCTMrn
38b	1 <sup>st</sup> floor – north addition floor – west side – grout	Negative	N/A	MCTMrn
39	1 <sup>st</sup> floor – north addition – east wall – mastic #2	Negative	N/A	MWM2
40	1 <sup>st</sup> floor – north addition – west wall – mastic #2	Negative	N/A	MWM2
41	1 <sup>st</sup> floor – north addition – west wall – mastic #2	Negative	N/A	MWM2
42a	1 <sup>st</sup> floor – north room floor – north side – red ceramic tile	Negative	N/A	MCTMr
42b	1 <sup>st</sup> floor – north room floor – north side – grout	Negative	N/A	MCTMr
42c	1 <sup>st</sup> floor – north room floor – north side – under ceramic tile – mortar	Negative	N/A	MCTMr
43	2 <sup>nd</sup> floor – stair landing – red linoleum	Negative	N/A	MFLr
44	2 <sup>nd</sup> floor – kitchen – tan linoleum	Negative	N/A	MFLt

Notes: N/A = Not Applicable

Ln. Ft. = Linear Feet

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

Floor Level	Location	Description	Approximate Quantity
Roof	Building	Built up Roofing & Flashing	2,100 Sq. Ft.
1 <sup>st</sup> /2 <sup>nd</sup>	Building	Asphalt Shingle Siding	3,000 Sq. Ft.
1 <sup>st</sup>	Store/North Room	Floor Tile & Mastic	1,680 Sq. Ft.
2 <sup>nd</sup>	Bedrooms/Pantry/ Storage/Bathroom/Stair	Floor Tile & Mastic	370 Sq. Ft.
2 <sup>nd</sup>	Kitchen	Floor Mastic	150 Sq. Ft.

### Homogeneous Material Codes

SPI	Plaster
STX	Texture
MCTMr	Red Ceramic Tile
MCTMy	Gray Ceramic Tile
MCTMw	White Ceramic Tile
MCTMrn	Red & Brown Ceramic Tile
MVn	Brown Vinyl Wallbase
MFLr	Red Linoleum
MFLw	White Linoleum
MFLt	Tan Linoleum
MSCT24G	2' x 4' Grooved Ceiling Tile
MSCT24S	2' x 4' Smooth Ceiling Tile
MSCT24D	2' x 4' Drywall Type Ceiling Tile
MWM	Wall Mastic
MWM2	Wall Mastic #2
MDW	Drywall/Joint Compound

### Homogeneous Material Codes

MDW2	Drywall/Joint Compound #2
TDW	Duct Paper
TM	Magnesia Insulation

**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 and magnesia 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>43</u>	Fluorescent Lights – Exterior, 1 <sup>st</sup> Floor Store & North Addition
<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 in 2<sup>nd</sup> Floor Stair. 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 – 2 Breaker Boxes & 1 Electric Meter in 1<sup>st</sup> Floor North Addition. 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 were 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>32</u>	Light Ballasts – Exterior, 1 <sup>st</sup> Floor Store & North Addition
<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

\* 1 Gas Meter 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. 238800	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/30/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/30/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1226

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 75	NA	Binder
002	2	Homogeneous	White Insulation	Asbestos Present Chrysotile 45	NA	CaCO3
003	3	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum Paint
003a		Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
003b		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
004	4	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum Paint
004a		Layered	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. 238800	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/30/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/30/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1226

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
005	5	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
006	6	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
007	7	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
008	8	Layered	Brown Ceramic Tile	Asbestos Not Present	NA	Clay
008a		Layered	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
009	9	Layered	Brown 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. 238800	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/30/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/30/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1226

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
009a		Layered	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
010	10	Layered	Brown Cove Base	Asbestos Not Present	NA	CaCO3 Binder
010a		Layered	Yellow Cove Base Mastic	Asbestos Not Present	NA	Glue
011	11	Layered	Brown Cove Base	Asbestos Not Present	NA	CaCO3 Binder
011a		Layered	Yellow Cove Base Mastic	Asbestos Not Present	NA	Glue
012	12	Layered	Brown Cove Base	Asbestos Not Present	NA	CaCO3 Binder
012a		Layered	Yellow Cove Base Mastic	Asbestos Not Present	NA	Glue

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

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



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

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 238800	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/30/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/30/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1226

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013	13	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
014	14	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
015	15	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
016	16	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
017	17	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
018	18	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
019	19	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	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. 238800	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/30/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/30/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1226

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020	20	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
021	21	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
022	22	Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
022a		Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
023	23	Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
023a		Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
024	24	Layered	Yellow Mastic	Asbestos Not Present	NA	Glue

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

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



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

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 238800	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/30/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/30/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1226

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
024a		Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
025	25	Layered	White Joint Compound	Asbestos Not Present	NA	Gypsum CaCO3
025a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
026	26	Layered	White Joint Compound	Asbestos Not Present	NA	Gypsum CaCO3 Paint
026a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
027	27	Layered	White Joint Compound	Asbestos Not Present	NA	Gypsum CaCO3 Paint
027a		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. 238800	Client: Harena Management Group
Account Number: B929	Jolene Harena
Date Received: 07/30/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/30/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1226

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
028	28	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
028a		Layered	Cream Mastic	Asbestos Not Present	NA	Glue
029	29	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
029a		Layered	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
030	30	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
031	31	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 25	Gypsum Vinyl
032	32	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 25	Gypsum 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. 238800	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/30/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/30/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1226

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
033	33	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
033a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
034	34	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
035	35	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
035a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
036	36	Layered	Brown Ceramic Tile	Asbestos Not Present	NA	Clay
036a		Layered	Gray Grout	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. 238800	Client: Harendra Management Group
Account Number: B929	Jolene Harendra
Date Received: 07/30/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/30/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1226

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
036b		Layered	Black Grout	Asbestos Not Present	NA	Quartz CaCO3
037	37	Layered	Brown Ceramic Tile	Asbestos Not Present	NA	Clay
037a		Layered	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
037b		Layered	Black Grout	Asbestos Not Present	NA	Quartz CaCO3
038	38	Layered	Brown Ceramic Tile	Asbestos Not Present	NA	Clay
038a		Layered	Black Grout	Asbestos Not Present	NA	Quartz CaCO3
039	39	Homogeneous	Tan Mastic	Asbestos Not Present	NA	Glue

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

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



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

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 238800	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/30/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/30/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1226

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
040	40	Homogeneous	Tan Mastic	Asbestos Not Present	NA	Glue
041	41	Homogeneous	Gray Mastic	Asbestos Not Present	NA	Glue CaCO3
042	42	Layered	Brown Ceramic Tile	Asbestos Not Present	NA	Clay
042a		Layered	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
042b		Layered	Black Grout	Asbestos Not Present	NA	Quartz CaCO3
043	43	Homogeneous	Red Sheet Vinyl	Asbestos Not Present	Cellulose 30	Vinyl
044	44	Homogeneous	Brown Flooring	Asbestos Not Present	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.

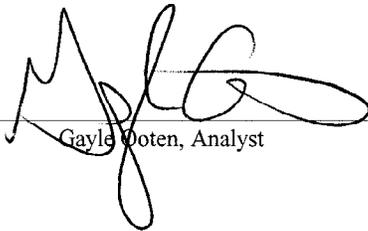


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 238800	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/30/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/30/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1226

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



Gayle Ooten, Analyst

7/30/2014

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. 23880  
 Accept  Reject

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

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 14-200-042.1226	
SAMPLED BY: _____	Name: _____	PO Number: _____	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Dean Jacobsen</i>	7/29/14 1800	FedEx	<i>Judy Rowan</i>	7/30/14 9:40

REQUESTED SERVICES (Please  the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1		<input checked="" type="checkbox"/>			
2		<input type="checkbox"/>			
3		<input type="checkbox"/>			
4		<input type="checkbox"/>			
5		<input type="checkbox"/>			
6		<input type="checkbox"/>			
7		<input type="checkbox"/>			
8		<input 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>238800</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		<input checked="" type="checkbox"/>				
12		<input type="checkbox"/>				
13		<input type="checkbox"/>				
14		<input type="checkbox"/>				
15		<input type="checkbox"/>				
16		<input type="checkbox"/>				
17		<input type="checkbox"/>				
18		<input type="checkbox"/>				
19		<input type="checkbox"/>				
20		<input type="checkbox"/>				
21		<input type="checkbox"/>				
22		<input type="checkbox"/>				
23		<input type="checkbox"/>				
24		<input type="checkbox"/>				
25		<input type="checkbox"/>				
26		<input type="checkbox"/>				
27		<input type="checkbox"/>				
28		<input type="checkbox"/>				
29		<input type="checkbox"/>				
30		<input checked="" type="checkbox"/>				

Do NOT Test Mastic  
 ↓

# ASBESTOS CHAIN OF CUSTODY

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. 238800  
 Accept  Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI			
No.	Sample ID (10 Characters Max)	To Be Analyzed <input checked="" type="checkbox"/>	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	31	<input checked="" type="checkbox"/>				
32	32	<input type="checkbox"/>				
33	33	<input type="checkbox"/>				
34	34	<input type="checkbox"/>				
35	35	<input type="checkbox"/>				
36	36	<input type="checkbox"/>				
37	37	<input type="checkbox"/>				
38	38	<input type="checkbox"/>				
39	39	<input type="checkbox"/>				
40	40	<input type="checkbox"/>				
41	41	<input type="checkbox"/>				
42	42	<input type="checkbox"/>				
43	43	<input type="checkbox"/>				
44	44	<input checked="" type="checkbox"/>				Do Not Test Mastic ↓
45		<input type="checkbox"/>				
46		<input type="checkbox"/>				
47		<input type="checkbox"/>				
48		<input type="checkbox"/>				
49		<input type="checkbox"/>				
50		<input type="checkbox"/>				

## **IX. HMG CERTIFICATION**

# 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

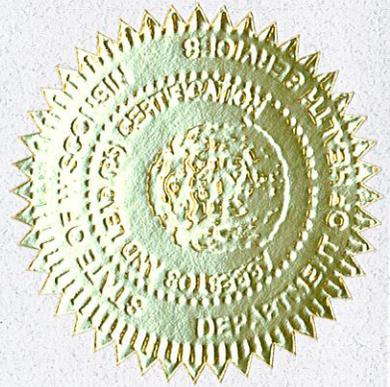
Asbestos Company - Primary

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:**

**Mixed Use Building  
1230 West Burleigh 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.: 14-200-042.1230  
Contract No.: 360-14-0745**

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

Dean Jacobsen  
Asbestos Inspector No. AII – 14370

Prepared by:

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

**June 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 building at 1230 West Burleigh Street, Milwaukee, Wisconsin.

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

## 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 June 17, 2014 HMG conducted an asbestos inspection of a mixed use building, scheduled for mechanical demolition, located at 1230 West Burleigh 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, stucco, drywall/joint compound, duct paper, linoleum, window glazing compound, and flue packing. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1a	Exterior – basement level – south wall – stucco skim coat	Negative	N/A	STC
1b	Exterior – basement level – south wall – stucco base coat	Negative	N/A	STC
2a	Exterior – basement level – east wall – stucco skim coat	Negative	N/A	STC
2b	Exterior – basement level – east wall – stucco base coat	Negative	N/A	STC
3a	Exterior – basement level – west wall – stucco skim coat	Negative	N/A	STC
3b	Exterior – basement level – west wall – stucco base coat	Negative	N/A	STC
4	1 <sup>st</sup> floor – store – east wall – drywall	Negative	N/A	MDW
5a	1 <sup>st</sup> floor – store – west wall – joint compound	Negative	N/A	MDW
5b	1 <sup>st</sup> floor – store – west wall – drywall	Negative	N/A	MDW
6a	1 <sup>st</sup> floor – bathroom – north wall – joint compound	Negative	N/A	MDW
6b	1 <sup>st</sup> floor – bathroom – north wall – drywall	Negative	N/A	MDW
7	1 <sup>st</sup> floor – bathroom – on walls under wallboard – mastic	Negative	N/A	MWM
<b>8</b>	<b>1<sup>st</sup> floor – office – on west wall duct – duct paper</b>	<b>Positive 80% Chrysotile</b>	<b>160 Sq. Ft.</b>	<b>TDW</b>
<b>9</b>	<b>1<sup>st</sup> floor – north room – on north wall duct – duct paper</b>	<b>Positive 85% Chrysotile</b>	<b>Reference Sample 8</b>	<b>TDW</b>
<b>10</b>	<b>Basement – on duct – duct paper</b>	<b>Positive 85% Chrysotile</b>	<b>Reference Sample 8</b>	<b>TDW</b>
11	1 <sup>st</sup> floor – stair – east wall – plaster	Negative	N/A	SPI
12	2 <sup>nd</sup> floor – in floor debris – plaster	Negative	N/A	SPI
13a	2 <sup>nd</sup> floor – in floor debris – plaster skim coat	Negative	N/A	SPI
13b	2 <sup>nd</sup> floor – in floor debris – plaster base coat	Negative	N/A	SPI
14	2 <sup>nd</sup> floor – stair – gray linoleum	Negative	N/A	MFLy
15	2 <sup>nd</sup> floor – 2 <sup>nd</sup> floor – on window – glazing compound	Negative	N/A	MPG
16	2 <sup>nd</sup> floor – 2 <sup>nd</sup> floor – on window – glazing compound	Negative	N/A	MPG
17	2 <sup>nd</sup> floor – 2 <sup>nd</sup> floor – on window – glazing compound	Negative	N/A	MPG
18	Basement – on chimney – flue packing	Negative	N/A	TFP

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

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

<b>Floor Level</b>	<b>Location</b>	<b>Description</b>	<b>Approximate Quantity</b>
Roof	Building	Asphalt Shingles & Flashing	1,100 Sq. Ft.
Roof	Building	Asphalt Shingle Siding	2,500 Sq. Ft.
1 <sup>st</sup>	Store/Bathroom/Hall/North Room/Stair	Floor Tile & Mastic	2,200 Sq. Ft.
2 <sup>nd</sup>	Stair	Floor Mastic	50 Sq. Ft.

**Homogeneous Material Codes**

SPI	Plaster
STC	Stucco
MDW	Drywall/Joint Compound
MFB	Fiberboard
MFLy	Gray Linoleum
MPG	Glazing Compound
TFP	Flue Packing
TDW	Duct Paper

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

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

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

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

**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>1</u>	<b>Refrigerators</b> , Freezers, Chillers – Basement
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>N/A</u>	Fire Extinguishers (both portable and installed HALON suppression systems)
<u>N/A</u>	Water Coolers

### **LEAD**

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

## MERCURY

Products that may contain mercury:

### LIGHTING

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

### HVAC

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

### HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

### BOILERS, FURNACES, HEATERS AND TANKS – 2 Furnaces & 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 Breaker Boxes in Basement**

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

### **PCBs**

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

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

## **OTHER ENVIRONMENTAL ISSUES**

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

\* 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. 236869	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 06/19/2014	1237 West Bruce St.
Received By: William Mlekush	Milwaukee, WI 53204
Date Analyzed: 06/24/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1230

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

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

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



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

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 236869	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 06/19/2014	1237 West Bruce St.
Received By: William Mlekush	Milwaukee, WI 53204
Date Analyzed: 06/24/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1230

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
004a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
005	5	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
005a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
006	6	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
006a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
007	7	Homogeneous	Tan Mastic	Asbestos Not Present	NA	Glue
008	8	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 80	NA	Paint 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. 236869	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 06/19/2014	1237 West Bruce St.
Received By: William Mlekush	Milwaukee, WI 53204
Date Analyzed: 06/24/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1230

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
009	9	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 85	NA	Paint Binder
010	10	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 85	NA	Binder
011	11	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand Paint
012	12	Homogeneous	Gray Plaster	Asbestos Not Present	Animal Hair	4 Quartz Sand Paint
013	13	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum CaCO3 Paint
013a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand

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

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



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

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 236869

Account Number: B929

Date Received: 06/19/2014

Received By: William Mlekush

Date Analyzed: 06/24/2014

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

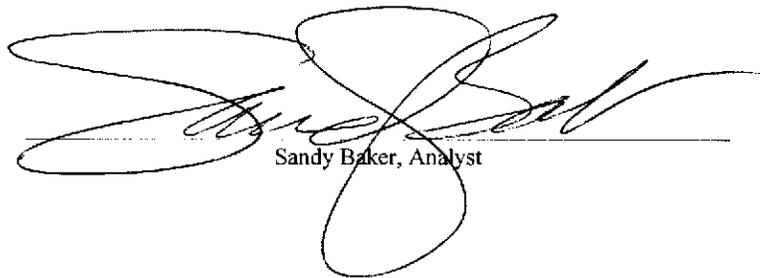
Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.1230

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 70	Cork Tar
015	15	Homogeneous	Light Gray Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
016	16	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
017	17	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
018	18	Homogeneous	Dark Brown Plaster	Asbestos Not Present	NA	Quartz Sand



Sandy Baker, Analyst

6/24/2014

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.



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: Harendia Management Group Contact: Dean Jacobsen Account #: B929 E-mail: djacobsen@harendia.com Date:		<b>Project Information</b> Project Name: DNS Project Location: Milwaukee, WI Project ID: 14-200-042.1230 P.O. Number:	
<b>For Lab Use Only</b> Lab No. 236869 Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>		<b>Report Results (one box)</b> <input checked="" type="checkbox"/> QuantEM Website <input type="checkbox"/> Other_email	

<b>RELINQUISHED BY</b> [Signature]	<b>DATE &amp; TIME</b> 6/18/14 1800	<b>VIA</b> FedEx	<b>RECEIVED BY</b> [Signature]	<b>DATE &amp; TIME</b> 6/19/14 9:43AM
---------------------------------------	--	---------------------	-----------------------------------	--

REQUESTED SERVICES (Please check the appropriate boxes)					Description	Volume / Area (as applicable)	Comments / Notes
PLM	PLM	TEM	TEM	TEM			
<input checked="" type="checkbox"/>	Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/>	Air-AHERA	<input type="checkbox"/>	Bulk- Presence / Absence EPA600/R-93/116		
<input type="checkbox"/>	400 Point Count	<input type="checkbox"/>	Air- NIOSH 7402	<input type="checkbox"/>	Bulk- Quantitative (weight%) - Chatfield		
<input type="checkbox"/>	1000 Point Count	<input type="checkbox"/>	Air- ISO 10312	<input type="checkbox"/>	Dust- Presence / Absence		
<input type="checkbox"/>	Gravimetric Preparation	<input type="checkbox"/>	Drinking Water- EPA 100.2	<input type="checkbox"/>	Dust- Quantitative (fibers/sq.cm) - ASTM D5755		
<input type="checkbox"/>	Particle ID	<input type="checkbox"/>	Waste Water- EPA 600/4-83-043	<input type="checkbox"/>	Other		
<b>No.</b>	<b>Sample ID (10 Characters Max)</b>	<b>To Be Analyzed</b>	<b>Color</b>	<b>Description</b>	<b>Volume / Area (as applicable)</b>	<b>Comments / Notes</b>	
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>236869</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

Project Information		Project Name: DNS		Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
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 checked="" 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

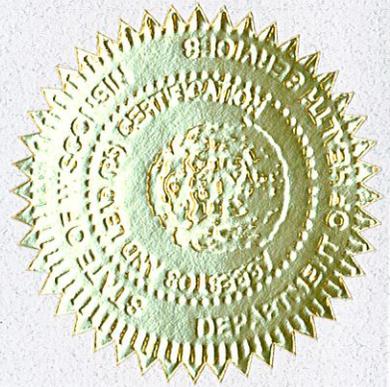
Asbestos Company - Primary

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:**

**Mixed Use Building  
1319 West Center 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.: 14-200-042.1319  
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**

**July 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.....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 building at 1319 West Center Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, ceramic tile, 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 July 22, 2014 HMG conducted an asbestos inspection of a mixed use building, scheduled for mechanical demolition, located at 1319 West Center 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, ceramic tile, and linoleum. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1a	Exterior – south steps – brown ceramic tile	Negative	N/A	MCTMn
1b	Exterior – south steps – grout	Negative	N/A	MCTMn
2	1 <sup>st</sup> floor – store – west wall – texture	Negative	N/A	STX
3	1 <sup>st</sup> floor – store – north wall – texture	Negative	N/A	STX
4	1 <sup>st</sup> floor – store – east wall – texture	Negative	N/A	STX
5	1 <sup>st</sup> floor – store – west wall – plaster	Negative	N/A	SPI
6a	1 <sup>st</sup> floor – hall – north wall – plaster skim coat	Negative	N/A	SPI
6b	1 <sup>st</sup> floor – hall – north wall – plaster base coat	Negative	N/A	SPI
7a	1 <sup>st</sup> floor – living room – south wall – plaster skim coat	Negative	N/A	SPI
7b	1 <sup>st</sup> floor – living room – south wall – plaster base coat	Negative	N/A	SPI
8a	1 <sup>st</sup> floor – dining room – west wall – plaster skim coat	Negative	N/A	SPI
8b	1 <sup>st</sup> floor – dining room – west wall – plaster base coat	Negative	N/A	SPI
9a	1 <sup>st</sup> floor – back hall – east wall – plaster skim coat	Negative	N/A	SPI
9b	1 <sup>st</sup> floor – back hall – east wall – plaster base coat	Negative	N/A	SPI
10	1 <sup>st</sup> floor – store – east side – gray linoleum	Negative	N/A	MFLy
11	1 <sup>st</sup> floor – store – west side – gray linoleum	Negative	N/A	MFLy
12	1 <sup>st</sup> floor – store – center – gray linoleum	Negative	N/A	MFLy
13	1 <sup>st</sup> floor – bathroom floor – white ceramic tile	Negative	N/A	MCTMw

Notes: N/A = Not Applicable

**15 linear feet aircell pipe insulation visible above plaster ceiling in store but not accessible during inspection.**

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

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	2,200 Sq. Ft.
1 <sup>st</sup>	Store/Bathroom	Floor Mastic	300 Sq. Ft.
1 <sup>st</sup>	Hall/Bedroom/Living Room/Dining Room	Floor Tile & Mastic	370 Sq. Ft.

#### Homogeneous Material Codes

SPI	Plaster
STX	Texture
MCTMn	Brown Ceramic Tile
MCTMw	White Ceramic Tile

### **Homogeneous Material Codes**

MFLy                      Gray Linoleum

**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 aircell may be in basement and within walls and ceilings.

## **V. EXCLUSIONS**

**Stairs missing – upper floors and basement not accessible. Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.**

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

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

## **VI. LIMITATIONS**

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

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

## **VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST**

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

### **ASBESTOS**

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

### **CFCs and HALONS**

Equipment that may contain CFCs and Halons:

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

### **LEAD**

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

## **MERCURY**

Products that may contain mercury:

### **LIGHTING**

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

### **HVAC**

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

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

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

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

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

## **ELECTRICAL SYSTEMS**

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

### **PCBs**

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

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

## **OTHER ENVIRONMENTAL ISSUES**

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

\* 1 Gas Meter on Exterior

## VIII. LABORATORY RESULTS



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

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 238523	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/24/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/28/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1319

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Layered	Brown Ceramic Tile	Asbestos Not Present	NA	Clay
001a		Layered	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
002	2	Homogeneous	White Texture	Asbestos Not Present	Talc	3 Gypsum Paint
003	3	Homogeneous	White Texture	Asbestos Not Present	Talc	3 CaCO3 Paint
004	4	Homogeneous	White Texture	Asbestos Not Present	Talc	3 CaCO3 Paint
005	5	Layered	White Skim Coat	Asbestos Not Present	Talc	4 Gypsum Paint
006	6	Layered	White Skim Coat	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. 238523

Account Number: B929

Date Received: 07/24/2014

Received By: Judy Rowan

Date Analyzed: 07/28/2014

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: 14-200-042.1319

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
007	7	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
007a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
008	8	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
008a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
009	9	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
009a		Layered	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.

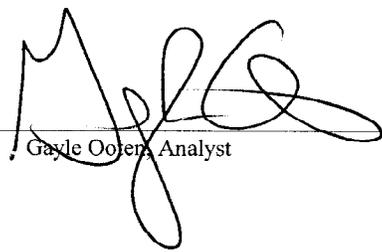


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 238523	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/24/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/28/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1319

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010	10	Homogeneous	Blue Linoleum	Asbestos Not Present	Cellulose 30	CaCO3 Tar
011	11	Homogeneous	Blue Linoleum	Asbestos Not Present	Cellulose 30	CaCO3 Tar
012	12	Homogeneous	Blue Linoleum	Asbestos Not Present	Cellulose 30	CaCO3 Tar
013	13	Homogeneous	White Ceramic Tile	Asbestos Not Present	NA	Clay



Gayle Ooten, Analyst

7/28/2014  
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. 238523  
 Accept  Reject

Report Results  one box  
 QuanTEM Website  
 Other\_email

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 14-200-042.1319	
SAMPLED BY: <i>[Signature]</i>	Name:	P.O. Number:	

RELINQUISHED BY: <i>[Signature]</i>	VIA: <u>FedEx</u>	RECEIVED BY: <u>Judy Rowen</u>	DATE & TIME: <u>7/23/14 1800</u>
			DATE & TIME: <u>7/24/14 9:40</u>

REQUESTED SERVICES (Please  the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Color	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"/>				<u>Do Not Test Mastic</u>



**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>238523</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)	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	<input checked="" type="checkbox"/>			Do Not Test Mastics ↓
12	12	<input type="checkbox"/>			
13	13	<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

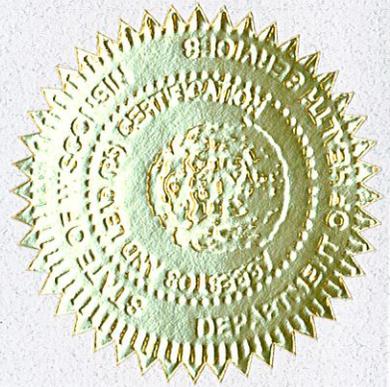
Asbestos Company - Primary

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



**ASBESTOS INSPECTION REPORT**

**Job Site:**

**Mixed Use Building/Garage  
1554-56 North 35<sup>th</sup> Street  
Milwaukee, Wisconsin**

**For:**

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

**HMG Report No.: 13-2000-068.1554-56  
Contract No.: 360-13-0745**

Dean Jacobsen  
Asbestos Inspector No. AII – 14370

**Prepared by:**

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

**September 2013**

**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 .....6

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 building at 1554-56 North 35<sup>th</sup> Street, Milwaukee, Wisconsin.

The inspection included plaster, stucco, linoleum, paper insulation, glazing compound, fiberboard, ceramic tile, ceiling tile, flue packing, boiler insulation, aircell pipe insulation, and fittings 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 September 3, 2013, HMG conducted an asbestos inspection of a mixed use building/garage, scheduled for mechanical demolition, located at 1554-56 North 35<sup>th</sup> Street, Milwaukee, Wisconsin. The inspection was conducted by Demicca Coe, Wisconsin License No. AII – 156385.**

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) plaster, stucco, linoleum, paper insulation, glazing compound, fiberboard, ceramic tile, ceiling tile, flue packing, boiler insulation, aircell pipe insulation, and fittings. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-1554a	2 <sup>nd</sup> floor – rear hall – east wall – plaster skim coat	Negative	N/A	SPI
1-1554b	2 <sup>nd</sup> floor – rear hall – east wall – plaster base coat	Negative	N/A	SPI
2-1554a	2 <sup>nd</sup> floor – northeast bedroom – north wall – plaster skim coat	Negative	N/A	SPI
2-1554b	2 <sup>nd</sup> floor – northeast bedroom – north wall – plaster base coat	Negative	N/A	SPI
3-1554a	2 <sup>nd</sup> floor – front room – east wall – plaster skim coat	Negative	N/A	SPI
3-1554b	2 <sup>nd</sup> floor – front room – east wall – plaster base coat	Negative	N/A	SPI
4-1554a	2 <sup>nd</sup> floor – north bedroom – ceiling – plaster skim coat	Negative	N/A	SPI
4-1554b	2 <sup>nd</sup> floor – north bedroom – ceiling – plaster base coat	Negative	N/A	SPI
5-1554	1 <sup>st</sup> floor – kitchen – ceiling – plaster	Negative	N/A	SPI
6-1554a	1 <sup>st</sup> floor – bathroom – south wall – plaster skim coat	Negative	N/A	SPI
6-1554b	1 <sup>st</sup> floor – bathroom – south wall – plaster base coat	Negative	N/A	SPI
7-1554a	Basement – ceiling – plaster	Negative	N/A	SPI
8-1554	2 <sup>nd</sup> floor – hall – yellow linoleum	Negative	N/A	MFLI
9-1554	2 <sup>nd</sup> floor – kitchen – near sink – yellow linoleum	Negative	N/A	MFLI
10-1554	2 <sup>nd</sup> floor – kitchen – south side – yellow linoleum	Negative	N/A	MFLI
11-1554	2 <sup>nd</sup> floor – entry hall – gold linoleum	Positive 25% Chrysotile	260 Sq. Ft.	MFLd
12-1554	1 <sup>st</sup> floor – kitchen – gold linoleum	Positive 25% Chrysotile	Reference 11-1554	MFLd
13-1554	1 <sup>st</sup> floor – 2 <sup>nd</sup> bathroom – gold linoleum	Positive 25% Chrysotile	Reference 11-1554	MFLd
14-1554	1 <sup>st</sup> floor – closet – under floor tile – paper insulation	Negative	N/A	MPI
15-1554	1 <sup>st</sup> floor – north room – under ceramic tile – paper insulation	Negative	N/A	MPI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
16-1554	2 <sup>nd</sup> floor – hall – under floor tile – paper insulation	Negative	N/A	MPI
17-1554	2 <sup>nd</sup> floor – stair – south window – glazing compound	Negative	N/A	MPG
18-1554	2 <sup>nd</sup> floor – west bedroom – west window – glazing compound	Negative	N/A	MPG
19-1554	2 <sup>nd</sup> floor – south bedroom – west window – glazing compound	Negative	N/A	MPG
20-1554	2 <sup>nd</sup> floor – rear bathroom – east wall – fiberboard	Negative	N/A	MFB
21-1554	2 <sup>nd</sup> floor – front bathroom – east wall – fiberboard	Negative	N/A	MFB
22-1554	1 <sup>st</sup> floor – center room – north wall – fiberboard	Negative	N/A	MFB
23-1554	1 <sup>st</sup> floor – north room – west under floor tile and plywood – red ceramic tile	Positive 8% Chrysotile	180 Sq. Ft.	MCTMr
24-1554	1 <sup>st</sup> floor – north room – south under floor tile and plywood – red ceramic tile	Positive 8% Chrysotile	Reference 23-1554	MCTMr
25-1554	1 <sup>st</sup> floor – north room – south center under floor tile and plywood – red ceramic tile	Positive 8% Chrysotile	Reference 23-1554	MCTMr
26-1554a	1 <sup>st</sup> floor – 1 <sup>st</sup> bathroom floor – beige ceramic tile	Negative	N/A	MCTMe
26-1554b	1 <sup>st</sup> floor – 1 <sup>st</sup> bathroom floor – grout	Negative	N/A	MCTMe
27-1554	1 <sup>st</sup> floor – south room – west side – red linoleum	Negative	N/A	MFLr
28-1554	1 <sup>st</sup> floor – south room – center – red linoleum	Negative	N/A	MFLr
29-1554	1 <sup>st</sup> floor – south room – south side – red linoleum	Negative	N/A	MFLr
30-1554	1 <sup>st</sup> floor – kitchen – tan ceiling tile	Negative	N/A	MSCTt
31-1554	2 <sup>nd</sup> floor – hall – tan ceiling tile	Negative	N/A	MSCTt
32-1554	2 <sup>nd</sup> floor – living room – tan ceiling tile	Negative	N/A	MSCTt
33-1554	Basement – on chimney – flue packing	Positive 15% Chrysotile	3 Sq. Ft.	TFP
34-1554	Basement – on boiler – boiler insulation	Negative	N/A	TBE
35-1554	Basement – on boiler – boiler insulation	Negative	N/A	TBE
36-1554	Basement – on boiler – boiler insulation	Negative	N/A	TBE
37-1554	Basement – north - <5" diameter aircell pipe insulation	Positive 90% Chrysotile	30 Ln. Ft.	TA5
38-1554	Basement – near stair - <5" diameter aircell pipe insulation	Positive 90% Chrysotile	Reference 37-1554	TA5
39-1554	Basement – center - <5" diameter aircell pipe insulation	Positive 90% Chrysotile	Reference 37-1554	TA5
40-1554	Basement – north – magnesia fittings	Positive 25% Chrysotile	30 Fittings	TM
41-1554	Basement – center – magnesia fittings	Positive 25% Chrysotile	Reference 40-1554	TM
42-1554	Basement – east – magnesia fittings	Positive 25% Chrysotile	Reference 40-1554	TM
43-1554	2 <sup>nd</sup> floor – southwest bedroom – in southwest wall – pyrobar	Negative	N/A	MPB
44-1554	2 <sup>nd</sup> floor – exterior – around southwest window – stucco	Negative	N/A	STC
45-1554	2 <sup>nd</sup> floor – exterior – around northwest window – stucco	Negative	N/A	STC
46-1554	2 <sup>nd</sup> floor – exterior – around northeast window – stucco	Negative	N/A	STC

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

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

Floor Level	Location	Description	Approximate Quantity
Roof	Building	Built up Roofing & Flashing	2,500 Sq. Ft.
Awning	Building	Asphalt Shingles & Flashing	150 Sq. Ft.
Roof	Garage	Asphalt Shingles & Flashing	400 Sq. Ft.
1 <sup>st</sup>	Center/Hall	Floor Tile & Mastic	870 Sq. Ft.
1 <sup>st</sup>	Kitchen/North/Bathrooms	Floor Mastic	640 Sq. Ft.
2 <sup>nd</sup>	Entry/Kitchens/Pantry/Bathrooms/ Halls/Bedroom	Floor Tile & Mastic	1,000 Sq. Ft.

**Homogeneous Material Codes**

- SP1 Plaster
- STC Stucco
- MFL1 Yellow Linoleum
- MFLd Gold Linoleum
- MFLr Red Linoleum
- MPI Paper Insulation
- MPI2 Paper Insulation #2
- MPG Glazing Compound
- MFB Fiberboard
- MCTMr Red Ceramic Tile
- MCTMe Beige Ceramic Tile
- MSCTt Tan Ceiling Tile
- MPB Pyrobar
- TA5 Aircell Pipe Insulation
- TM Magnesia Insulation
- TFP Flue Packing

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

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

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

**Note#5:** Additional aircell and magnesia may be within walls and ceilings. Exploratory demolition required for exact quantity.

**Note#6:** Estimated cost for friable asbestos abatement.....

**V. EXCLUSIONS**

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

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

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

## VI. LIMITATIONS

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

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

## VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

## **ASBESTOS**

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

## **CFCs and HALONS**

Equipment that may contain CFCs and Halons:

<u>2</u>	Air Conditioners (roof top, <b>room</b> , and central) – 1 <sup>st</sup> Floor North Room, 2 <sup>nd</sup> Floor South Bedroom
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>3</u>	<b>Refrigerators, Freezers</b> , Chillers – 1 <sup>st</sup> & 2 <sup>nd</sup> Floor Kitchens, 2 <sup>nd</sup> Floor West Bedroom
<u>1</u>	Vending Machines, <b>Food Display Cases</b> – 2 <sup>nd</sup> Floor Front Kitchen
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>6</u>	Fire Extinguishers (both <b>portable</b> and installed HALON suppression systems) – 1 <sup>st</sup> Floor North Room, 2 <sup>nd</sup> Floor Side Entry
<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>36</u>	Fluorescent Lights – Exterior, 1 <sup>st</sup> Floor, 2 <sup>nd</sup> Floor, Basement
<u>4</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium - <b>Mercury Vapor</b> – Exterior
<u>6</u>	Neon – Exterior, 1 <sup>st</sup> Floor South Room
<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>4</u>	Old Thermostats – 2 <sup>nd</sup> Floor Front & Rear Living Rooms, 1 <sup>st</sup> Floor Hall & North 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 2<sup>nd</sup> Floor Rear Hall & Side Entry. 1 Furnace 1<sup>st</sup> Floor North Room. 1 Boiler 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 – 4 Electric Meters & 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>16</u>	Light Ballasts – 1 <sup>st</sup> Floor Kitchen, South Room, & Center Room, 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>1</u>	Oil Tanks – Basement
<u>N/A</u>	Well Abandonment
<u>N/A</u>	Junk Auto Tires
<u>N/A</u>	Junk Vehicles

\* 4 Gallons Paint 2<sup>nd</sup> Floor Rear Entry

\* 30 Gallons Paint, 5 Gallons Paint Thinner, & 2 Gallons Antifreeze in 1<sup>st</sup> Floor North Room

\* 1 Compressor 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. 226487	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 09/06/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 09/10/2013	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1554

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-1554	Layered	Tan Skim Coat	Asbestos Not Present	NA	Quartz CaCO3
001a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
002	2-1554	Layered	Tan Skim Coat	Asbestos Not Present	NA	Quartz CaCO3
002a		Layered	Gray Plaster	Asbestos Not Present	Cellulose <1	Quartz CaCO3
003	3-1554	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3
003a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
004	4-1554	Layered	Tan Skim Coat	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. 226487	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 09/06/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 09/10/2013	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1554

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
004a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
005	5-1554	Layered	Tan Skim Coat	Asbestos Not Present	NA	Quartz CaCO3
006	6-1554	Layered	Tan Skim Coat	Asbestos Not Present	NA	Quartz CaCO3
006a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
007	7-1554	Homogeneous	Gray Plaster	Asbestos Not Present	Hair	2 Quartz CaCO3
008	8-1554	Homogeneous	Tan Flooring	Asbestos Not Present	Cellulose	2 CaCO3 Binder
009	9-1554	Homogeneous	Tan Flooring	Asbestos Not Present	Cellulose	2 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. 226487	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 09/06/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 09/10/2013	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1554

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010	10-1554	Homogeneous	Tan Flooring	Asbestos Not Present	NA	CaCO3 Binder
011	11-1554	Homogeneous	Yellow Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
012	12-1554	Homogeneous	Yellow Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
013	13-1554	Homogeneous	Yellow Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
014	14-1554	Layered	Brown Mastic	Asbestos Not Present	NA	Glue
014a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
014b		Layered	Brown Mastic	Asbestos Present Chrysotile <1	NA	Glue

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

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



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

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 226487	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 09/06/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 09/10/2013	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1554

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	15-1554	Layered	Brown Mastic	Asbestos Not Present	NA	Glue
015a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
015b		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
016	16-1554	Layered	Brown Mastic	Asbestos Not Present	NA	Glue
016a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
016b		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
017	17-1554	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3

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

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



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

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 226487	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 09/06/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 09/10/2013	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1554

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018	18-1554	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3
019	19-1554	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3
020	20-1554	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 90	Paint
021	21-1554	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 90	Paint
022	22-1554	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 90	Paint
023	23-1554	Layered	Red Floor Tile	Asbestos Present Chrysotile 8	NA	Vinyl CaCO3
023a		Layered	Black Mastic	Asbestos Present Chrysotile 2	NA	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. 226487	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 09/06/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 09/10/2013	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1554

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
024	24-1554	Layered	Red Floor Tile	Asbestos Present Chrysotile 8	NA	Vinyl CaCO3
024a		Layered	Black Mastic	Asbestos Present Chrysotile 2	NA	Tar
025	25-1554	Layered	Red Floor Tile	Asbestos Present Chrysotile 8	NA	Vinyl CaCO3
025a		Layered	Black Mastic	Asbestos Present Chrysotile 2	NA	Tar
026	26-1554	Layered	Tan Ceramic Tile	Asbestos Not Present	NA	Clay
026a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
026b		Layered	White Grout	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. 226487	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 09/06/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 09/10/2013	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1554

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
027	27-1554	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
028	28-1554	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
029	29-1554	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
030	30-1554	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite Paint
031	31-1554	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite Paint
032	32-1554	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite Paint
033	33-1554	Homogeneous	Tan Transite	Asbestos Present Chrysotile 15	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. 226487	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 09/06/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 09/10/2013	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1554

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
034	34-1554	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 99	Binder
035	35-1554	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 99	Binder
036	36-1554	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 99	Binder
037	37-1554	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 90	NA	Binder
038	38-1554	Homogeneous	White Insulation	Asbestos Present Chrysotile 90	NA	Binder
039	39-1554	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 90	NA	Binder
040	40-1554	Homogeneous	White Insulation	Asbestos Present Chrysotile 20	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. 226487	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 09/06/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 09/10/2013	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1554

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
041	41-1554	Homogeneous	White Insulation	Asbestos Present Chrysotile 25	Cellulose 25	Gypsum
042	42-1554	Homogeneous	White Insulation	Asbestos Present Chrysotile 25	Cellulose 25	Gypsum
043	43-1554	**	**	**	Not Analyzed	

No Sample Received

  
 Cristal Veech, Analyst

9/10/2013  
 Date of Report

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

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



# ASBESTOS CHAIN OF CUSTODY

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

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

For Lab Use Only

Lab No. 226487

Accept  Reject

Report Results  one box

QuanTEM Website

Other\_email

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 13-2000-068.1554	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY: <u>Dean Jacobsen</u>	DATE & TIME: <u>9/5/13 1800</u>	VIA: <u>FedEx</u>	RECEIVED BY: <u>J. Mueller</u>	DATE & TIME: <u>9/6/13 9:30</u>
---------------------------------------	---------------------------------	-------------------	--------------------------------	---------------------------------

REQUESTED SERVICES (Please  the Appropriate Boxes)

	PLM	PLM		TEM		TEM		TURNAROUND TIME
		Bulk Analysis (EPA 600/R-93/116)	Vermiculite Attic Insulation (EPA 600/R-04/004)	Air- AHERA	Bulk- Presence / Absence EPA600/R-93/116	Air- NIOSH 7402	Bulk- Quantitative [weight%]- Chatfield	
<input checked="" 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"/>	400 Point Count	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	1000 Point Count	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Gravimetric Preparation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Particle ID	<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 <input checked="" type="checkbox"/>	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	1-1554	<input checked="" type="checkbox"/>				
2	2-1554	<input type="checkbox"/>				
3	3-1554	<input type="checkbox"/>				
4	4-1554	<input type="checkbox"/>				
5	5-1554	<input type="checkbox"/>				
6	6-1554	<input type="checkbox"/>				
7	7-1554	<input type="checkbox"/>				
8	8-1554	<input type="checkbox"/>				
9	9-1554	<input type="checkbox"/>				
10	10-1554	<input checked="" type="checkbox"/>				Do Not Analyze Mastic ↓



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. 226407

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	11-1554				Do Not Analyze Mastic
12	12-1554				
13	13-1554				
14	14-1554				
15	15-1554				
16	16-1554				
17	17-1554				
18	18-1554				
19	19-1554				
20	20-1554				
21	21-1554				
22	22-1554				
23	23-1554				
24	24-1554				
25	25-1554				
26	26-1554				
27	27-1554				Do Not Analyze Mastic
28	28-1554				
29	29-1554				
30	30-1554				



# 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. 226187  
 Accept  Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	31-1554				
32	32-1554				
33	33-1554				
34	34-1554				
35	35-1554				
36	36-1554				
37	37-1554				
38	38-1554				
39	39-1554				
40	40-1554				
41	41-1554				
42	42-1554				
43	43-1554				
44					
45					
46					
47					
48					
49					
50					

sample not received. 9/6/13 gm



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

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 226976      Client: Harenda Management Group  
 Account Number: B929      Jolene Harenda  
 Date Received: 09/19/2013      1237 West Bruce St.  
 Received By: Joanna Mueller      Milwaukee, WI 53204  
 Date Analyzed: 09/19/2013      Project: DNS  
 Analyzed By: Cristal Veech      Project Location: Milwaukee, WI  
 Methodology: EPA/600/R-93/116      Project Number: 13-2000-068.1554

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	43-1554	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
002	44-1554	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
003	45-1554	Homogeneous	Brown Plaster	Asbestos Not Present	Cellulose Glass Fiber	<1 <1 Quartz CaCO3 Paint
004	46-1554	Homogeneous	Brown Plaster	Asbestos Not Present	Cellulose Glass Fiber	<1 <1 Quartz CaCO3 Paint

  
 Cristal Veech, Analyst

9/19/2013  
 Date of Report

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

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



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

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

Page 1 of 1

**Contact Information**

Company: Harendra Management Group  
 Contact: Dean Jacobsen  
 Account #: B929  
 Phone: (414) 383-4800  
 Cell Phone:  
 E-mail: djacobsen@harendra.com  
 Project Name: DNS  
 Project Location: Milwaukee, WI  
 Project ID: 13-2000-068.1554  
 P.O. Number:

Lab No. 226976  
 Accept  Reject  
 Quantem Website  
 Other\_email

RELINQUISHED BY: [Signature] DATE & TIME: 8/13/00 VIA: J. Moller 9/19/03 10:00

**REQUESTED SERVICES (Please Print)**

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

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Color
1	43-554	<input checked="" type="checkbox"/>		
2	44-554	<input checked="" type="checkbox"/>		
3	45-554	<input checked="" type="checkbox"/>		
4	46-554	<input checked="" type="checkbox"/>		
5		<input type="checkbox"/>		
6		<input type="checkbox"/>		
7		<input type="checkbox"/>		
8		<input type="checkbox"/>		
9		<input type="checkbox"/>		
10		<input type="checkbox"/>		

## **IX. HMG CERTIFICATION**



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Demicca Andrea Marie Coe

225 N Hawley Rd

Milwaukee WI 53213-4232

		150 lbs	5' 01"
All-156385	Exp: 09/26/2013	09/08/1971	Female

Training due by: 09/26/2013



**ASBESTOS INSPECTION REPORT**

**Job Site:**

**One Family Rear Dwelling  
1713 West Hadley 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.: 14-200-042.1713  
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

**July 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 1713 West Hadley Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, transite, tar paper, flue packing, 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 July 22, 2014 HMG conducted an asbestos inspection of a one family rear dwelling, scheduled for mechanical demolition, located at 1713 West Hadley 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, transite, tar paper, flue packing, and linoleum. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – south wall – transite siding	Positive 30% Chrysotile	1,600 Sq. Ft.	MTP
2	Exterior – east wall – transite siding	Positive 20% Chrysotile	Reference Sample 1	MTP
3	Exterior – north wall – transite siding	Positive 30% Chrysotile	Reference Sample 1	MTP
4a	Exterior – south wall under transite siding – asphalt shingle siding	Negative	N/A	MSS
4b	Exterior – south wall under fiberboard – tar paper	Negative	N/A	MPT
4c	Exterior – south wall under asphalt shingle siding – fiberboard	Negative	N/A	MFB
5a	Exterior – east wall under transite siding – asphalt shingle siding	Negative	N/A	MSS
5b	Exterior – east wall under fiberboard – tar paper	Negative	N/A	MPT
5c	Exterior – east wall under asphalt shingle siding – fiberboard	Negative	N/A	MFB
6a	Exterior – north wall under transite siding – asphalt shingle siding	Negative	N/A	MSS
6b	Exterior – north wall under fiberboard – tar paper	Negative	N/A	MPT
6c	Exterior – north wall under asphalt shingle siding – fiberboard	Negative	N/A	MFB
8	Basement – on chimney – flue packing	Negative	N/A	TFP
9a	1 <sup>st</sup> floor – pantry – north wall – plaster skim coat	Negative	N/A	SPI
9b	1 <sup>st</sup> floor – pantry – north wall – plaster base coat	Negative	N/A	SPI
10a	1 <sup>st</sup> floor – kitchen – east wall – plaster skim coat	Negative	N/A	SPI
10b	1 <sup>st</sup> floor – kitchen – east wall – plaster base coat	Negative	N/A	SPI
11	Attic – stair – west wall – plaster base coat	Negative	N/A	SPI
12a	1 <sup>st</sup> floor – southeast bedroom – north wall – plaster skim coat	Negative	N/A	SPI
12b	1 <sup>st</sup> floor – southeast bedroom – north wall – plaster base coat	Negative	N/A	SPI
13a	1 <sup>st</sup> floor – south bedroom – east wall – plaster skim coat	Negative	N/A	SPI
13b	1 <sup>st</sup> floor – south bedroom – east wall – plaster base coat	Negative	N/A	SPI
14	1 <sup>st</sup> floor – bathroom – east wall – texture	Negative	N/A	STX
15	1 <sup>st</sup> floor – bathroom – west wall – texture	Negative	N/A	STX
16	1 <sup>st</sup> floor – bathroom – south wall – texture	Negative	N/A	STX
17	1 <sup>st</sup> floor – pantry – white linoleum	Negative	N/A	MFLw

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
18	Basement – stair – brown linoleum	Negative	N/A	MFLn
19	1 <sup>st</sup> floor – living room – under floor tile – beige linoleum	Negative	N/A	MFLe
20a	1 <sup>st</sup> floor – living room – under beige linoleum – gray linoleum	Negative	N/A	MFLy
20b	1 <sup>st</sup> floor – living room – under gray linoleum – tan linoleum	Negative	N/A	MFLt

**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.
Roof	Pantry/Stair	Floor Mastic	50 Sq. Ft.
1 <sup>st</sup>	Entry/Bedroom/Living Room/Bathroom	Floor Tile & Mastic	460 Sq. Ft.

**Homogeneous Material Codes**

SPI	Plaster
STX	Texture
MTP	Transite
MSS	Asphalt Shingle Siding
MFB	Fiberboard
MPT	Tar Paper
MFLw	White Linoleum
MFLn	Brown Linoleum
MFLe	Beige Linoleum
MFLy	Gray Linoleum
MFLt	Tan Linoleum

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

### **HVAC**

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

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

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

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

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

## **ELECTRICAL SYSTEMS**

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

### **PCBs**

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

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

## **OTHER ENVIRONMENTAL ISSUES**

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

\* 1 Gas Meter 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. 238519	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/24/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/28/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1713

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Transite	Asbestos Present Chrysotile 30	NA	CaCO3
002	2	Homogeneous	Gray Transite	Asbestos Present Chrysotile 20	NA	CaCO3
003	3	Homogeneous	Gray Transite	Asbestos Present Chrysotile 30	NA	CaCO3
004	4	Layered	Brown Shingle	Asbestos Not Present	Glass Fiber 20	Quartz Tar
004a		Layered	Brown Roofing	Asbestos Not Present	Cellulose 100	
004b		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
005	5	Layered	Brown Shingle	Asbestos Not Present	Glass Fiber 20	Quartz 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. 238519	Client: Harendra Management Group
Account Number: B929	Jolene Harendra
Date Received: 07/24/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/28/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1713

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
005a		Layered	Brown Roofing	Asbestos Not Present	Cellulose 100	
005b		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
006	6	Layered	Brown Shingle	Asbestos Not Present	Glass Fiber 20	Quartz Tar
006a		Layered	Brown Roofing	Asbestos Not Present	Cellulose 100	
006b		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
007	8	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
008	9	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. 238519	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/24/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/28/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1713

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
009	10	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
009a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
010	11	Homogeneous	White Plaster	Asbestos Not Present	NA	Quartz CaCO3
011	12	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
011a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
012	13	Layered	Cream Skim Coat	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. 238519	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/24/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/28/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1713

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
013	14	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
014	15	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
015	16	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
016	17	Homogeneous	Cream Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
017	18	Homogeneous	Green/Brown Linoleum	Asbestos Not Present	Cellulose 30	CaCO3 Binder
018	19	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 20	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.

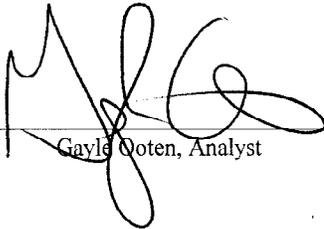


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 238519	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/24/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/28/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1713

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019	20	Layered	Gray Sheet Vinyl Backing	Asbestos Not Present	Cellulose 75	Binder
019a		Layered	Brown Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3



Gayle Ooten, Analyst

7/28/2014  
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

For Lab Use Only  
 Lab No. 238579  
 Accept  Reject

Report Results  one box  
 QuanTEM Website  
 Other\_email

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 14-200-042.1713	
SAMPLED BY: <i>[Signature]</i>	Name:	P.O. Number:	

RELINQUISHED BY: <i>[Signature]</i>	DATE & TIME: 7/23/14 1800	VIA: FedEx	RECEIVED BY: <i>[Signature]</i>	DATE & TIME: 7/24/14 9:40
-------------------------------------	---------------------------	------------	---------------------------------	---------------------------

REQUESTED SERVICES (Please  the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Color	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**

www.QuanTEM.com

For Lab Use Only	
Lab No. <u>238519</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)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	12	<input checked="" type="checkbox"/>				
12	13	<input type="checkbox"/>				
13	14	<input type="checkbox"/>				
14	15	<input type="checkbox"/>				
15	16	<input type="checkbox"/>				
16	17	<input type="checkbox"/>				
17	18	<input type="checkbox"/>				
18	19	<input type="checkbox"/>				
19	20	<input checked="" type="checkbox"/>				Do Not Test / Nastic ↓
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:**

**Mixed Use Building  
1729-31 West Mitchell 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.: 14-200-042.1729M  
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

**June 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 building at 1729-31 West Mitchell Street, Milwaukee, Wisconsin.

The inspection included plaster, aircell pipe insulation, fittings, ceiling tile, drywall/joint compound, window glazing 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 May 21, 2014 HMG conducted an asbestos inspection of a mixed use building, scheduled for mechanical demolition, located at 1729-31 West Mitchell 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, aircell pipe insulation, fittings, ceiling tile, drywall/joint compound, window glazing compound, and linoleum. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Basement - <5" diameter aircell pipe insulation	Positive 70% Chrysotile	55 Ln. Ft. See Note #4	TA5
2	Basement - <5" diameter aircell pipe insulation	Positive 70% Chrysotile	Reference Sample 1	TA5
3	Basement - <5" diameter aircell pipe insulation	Positive 70% Chrysotile	Reference Sample 1	TA5
4	Basement - <5" diameter pipe insulation fitting	Positive 60% Chrysotile	10 Fittings	TF5
5	1 <sup>st</sup> floor – multipurpose room – 2' x 4' ceiling tile	Negative	N/A	MSCT24
6	2 <sup>nd</sup> floor – bathroom – 2' x 4' ceiling tile	Negative	N/A	MSCT24
7	1 <sup>st</sup> floor – kitchen – 2' x 4' ceiling tile	Negative	N/A	MSCT24
8	1 <sup>st</sup> floor – multipurpose room – east wall – drywall	Negative	N/A	MDW
9a	1 <sup>st</sup> floor – kitchen – north wall – joint compound	Negative	N/A	MDW
9b	1 <sup>st</sup> floor – kitchen – north wall – drywall	Negative	N/A	MDW
10a	2 <sup>nd</sup> floor – kitchen – west wall – joint compound	Negative	N/A	MDW
10b	2 <sup>nd</sup> floor – kitchen – west wall – drywall	Negative	N/A	MDW
11a	2 <sup>nd</sup> floor – living room – west wall – plaster skim coat	Negative	N/A	SPI
11b	2 <sup>nd</sup> floor – living room – west wall – plaster base coat	Negative	N/A	SPI
12a	2 <sup>nd</sup> floor – dining room – east wall – plaster skim coat	Negative	N/A	SPI
12b	2 <sup>nd</sup> floor – dining room – east wall – plaster base coat	Negative	N/A	SPI
13a	2 <sup>nd</sup> floor – closet – west wall – plaster skim coat	Negative	N/A	SPI
13b	2 <sup>nd</sup> floor – closet – west wall – plaster base coat	Negative	N/A	SPI
14a	2 <sup>nd</sup> floor – stair – ceiling – plaster skim coat	Negative	N/A	SPI
14b	2 <sup>nd</sup> floor – stair – ceiling – plaster base coat	Negative	N/A	SPI
15a	2 <sup>nd</sup> floor – stair – south wall – plaster skim coat	Negative	N/A	SPI
15b	2 <sup>nd</sup> floor – stair – south wall – plaster base coat	Negative	N/A	SPI
16	2 <sup>nd</sup> floor – living room – on window – glazing compound	Negative	N/A	MPG
17	2 <sup>nd</sup> floor – dining room – on window – glazing compound	Negative	N/A	MPG
18	2 <sup>nd</sup> floor – kitchen – on window – glazing compound	Negative	N/A	MPG

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
19a	2 <sup>nd</sup> floor – kitchen – under floor tile – red linoleum	Negative	N/A	MFLr
19b	2 <sup>nd</sup> floor – kitchen – under red linoleum – gray linoleum	Negative	N/A	MFLr

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

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

Floor Level	Location	Description	Approximate Quantity
Roof	Building	Asphalt Shingles & Flashing	1,500 Sq. Ft.
1 <sup>st</sup> /2 <sup>nd</sup>	Building	Asphalt Shingle Siding	3,500 Sq. Ft.
1 <sup>st</sup>	All Rooms	Floor Tile & Mastic	1,500 Sq. Ft.
2 <sup>nd</sup>	Kitchen/Stair/Bathroom/Pantry	Floor Tile & Mastic	300 Sq. Ft.

**Homogeneous Material Codes**

SPI	Plaster
MSCT24	2' x 4' Ceiling Tile
MDW	Drywall/Joint Compound
MPG	Glazing Compound
MFLr	Red Linoleum
MFLy	Gray Linoleum

**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:** 150 sq. ft. of basement floor contaminated with aircell debris. Additional aircell and fittings 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>2</u>	Air Conditioners (roof top, <b>room</b> , and central) – Multipurpose Room
<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**

- N/A Fluorescent Lights
- N/A High Intensity Discharge
  - Metal Halide
  - High Pressure Sodium
  - Mercury Vapor
- N/A Neon
- N/A 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**

- N/A Old Thermostats
- N/A Aquastats
- N/A Firestats
- N/A Manometers
- N/A Thermometers

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

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

## **ELECTRICAL SYSTEMS – 2 Electric Meters in Basement**

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

### **PCBs**

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

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

## **OTHER ENVIRONMENTAL ISSUES**

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

\* 2 Gas Meters in Basement

\* 4 Gallons Paint 2<sup>nd</sup> Floor

## VIII. LABORATORY RESULTS



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

### Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 236060	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/30/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 06/04/2014	Project: HA
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1729M

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-1729M	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 70	NA	Binder
002	2-1729M	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 70	NA	Binder
003	3-1729M	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 70	NA	Binder
004	4-1729M	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	NA	Binder
005	5-1729M	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite Paint
006	6-1729M	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite Paint
007	7-1729M	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite Paint

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

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



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

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 236060	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/30/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 06/04/2014	Project: HA
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1729M

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8-1729M	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum Paint
009	9-1729M	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
009a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
010	10-1729M	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
010a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
011	11-1729M	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
011a		Layered	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. 236060	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/30/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 06/04/2014	Project: HA
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1729M

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012	12-1729M	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
012a		Layered	Light Gray Plaster	Asbestos Not Present	Hair	2 Quartz CaCO3
013	13-1729M	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
013a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
014	14-1729M	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
014a		Layered	Light Gray Plaster	Asbestos Not Present	Hair	2 Quartz CaCO3
015	15-1729M	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint

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

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

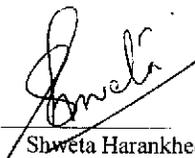


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 236060	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/30/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 06/04/2014	Project: HA
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1729M

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015a		Layered	Light Gray Plaster	Asbestos Not Present	Hair	2 Quartz CaCO3
016	16-1729M	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
017	17-1729M	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
018	18-1729M	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
019	19-1729M	Layered	Red Sheet Vinyl	Asbestos Not Present	Cellulose	25 Vinyl Foam Binder
019a		Layered	Gray Linoleum	Asbestos Not Present	Cellulose	40 Tar Binder

  
Shweta Harankhedkar, Analyst

6/4/2014  
Date of Report

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

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



# ASBESTOS CHAIN OF CUSTODY

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

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

<b>Contact Information</b> Company: Harendra Management Group Contact: Dean Jacobsen Account #: B929 E-mail: djacobsen@harendra.com Date:		<b>Project Information</b> Project Name: HA Project Location: Milwaukee, WI Project ID: 14-200-042.1729M P.O. Number:	
--	--	---	--

For Lab Use Only  
 Lab No. 236060  
 Accept  Reject

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

RELINQUISHED BY <i>[Signature]</i>	DATE & TIME 5/29/14 (800)	VIA FedEx	RECEIVED BY <i>[Signature]</i>	DATE & TIME 5/30/14
---------------------------------------	------------------------------	--------------	-----------------------------------	------------------------

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

	PLM		PLM		TEM		TEM		TURNAROUND TIME							
	Bulk Analysis (EPA 600/R-93/116)	400 Point Count	Vermiculite Attic Insulation (EPA 600/R-04/004)	Other	Air- AHERA	Air- NIOSH 7402	Air- ISO 10312	Bulk- Presence / Absence EPA600/R-93/116	Bulk- Quantitative [weight%]- Chatfield	Dust- Presence / Absence	Dust- Quantitative [fibers/sq.cm]- ASTM D5755	Rush	Same Day	24 - Hour	3 - Day	5 - 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 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"/>

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



**ASBESTOS CHAIN OF CUSTODY**

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

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

For Lab Use Only	
Lab No. <u>235060</u>	Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Project Name: HA	Project Location: Milwaukee, WI			
No.	Sample ID (10 Characters Max)	To Be Analyzed <input checked="" type="checkbox"/>	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	<input checked="" type="checkbox"/>				
12	12	<input type="checkbox"/>				
13	13	<input type="checkbox"/>				
14	14	<input type="checkbox"/>				
15	15	<input type="checkbox"/>				
16	16	<input type="checkbox"/>				
17	17	<input type="checkbox"/>				
18	18	<input type="checkbox"/>				
19	19	<input checked="" type="checkbox"/>				Do Not Test Mastc
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

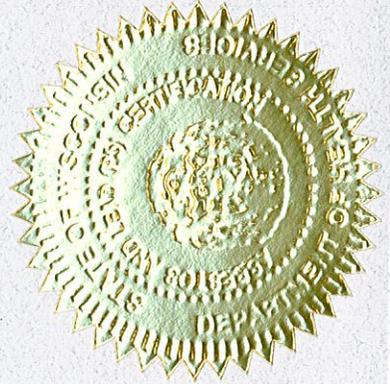
Asbestos Company - Primary

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:**

**Office Building  
2411 West Capitol Drive  
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.: 14-200-042.2411  
Contract No.: 360-14-0745**

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

Prepared by:

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

**July 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 building at 2411 West Capitol Drive, Milwaukee, Wisconsin.

The inspection included plaster, drywall/joint compound, floor tile, ceiling tile, vinyl wallbase, ceramic tile, transite, terrazzo, leveling compound, pipe insulation fitting, and flue packing to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M*.

## II. BUILDING SURVEY

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

**On June 30, 2014 HMG conducted an asbestos inspection of an office building, scheduled for mechanical demolition, located at 2411 West Capitol Drive, 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 on concrete or block.
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, drywall/ joint compound, floor tile, ceiling tile, vinyl wallbase, ceramic tile, transite, terrazzo, leveling compound, pipe insulation fitting, and flue packing. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
<b>1</b>	<b>2<sup>nd</sup> floor – main office – debris on floor – pipe insulation fitting</b>	<b>Positive 10% Chrysotile</b>	<b>25 Sq. Ft.</b>	<b>TFD</b>
2a	2 <sup>nd</sup> floor – office 1 – north wall – drywall	Negative	N/A	MDW
2a	2 <sup>nd</sup> floor – office 1 – north wall – joint compound	Negative	N/A	MDW
3	1 <sup>st</sup> floor – main office – east wall – drywall	Negative	N/A	MDW
4a	2 <sup>nd</sup> floor – office 5 – east wall – drywall	Negative	N/A	MDW
4a	2 <sup>nd</sup> floor – office 5 – east wall – joint compound	Negative	N/A	MDW
5	2 <sup>nd</sup> floor – main office – on wall – mastic	Negative	N/A	MWM
6	2 <sup>nd</sup> floor – main office – on wall – mastic	Negative	N/A	MWM
7	2 <sup>nd</sup> floor – main office – on wall – mastic	Negative	N/A	MWM
8a	2 <sup>nd</sup> floor – office 3 – 12” cream floor tile	Negative	N/A	MF12c
<b>8b</b>	<b>2<sup>nd</sup> floor – office 3 – under floor tile – black mastic</b>	<b>Positive 3% Chrysotile</b>	<b>400 Sq. Ft.</b>	<b>MF12c</b>
9a	2 <sup>nd</sup> floor – office 1 – 12” cream floor tile	Negative	N/A	MF12c
<b>9b</b>	<b>2<sup>nd</sup> floor – office 1 – under floor tile – black mastic</b>	<b>Positive 3% Chrysotile</b>	<b>Reference Sample 8b</b>	<b>MF12c</b>
10a	2 <sup>nd</sup> floor – office 4 – 12” cream floor tile	Negative	N/A	MF12c
<b>10b</b>	<b>2<sup>nd</sup> floor – office 4 – under floor tile – black mastic</b>	<b>Positive 4% Chrysotile</b>	<b>Reference Sample 8b</b>	<b>MF12c</b>
11	2 <sup>nd</sup> floor – office 1 – 2’ x 4’ ceiling tile	Negative	N/A	MSCT24
12	2 <sup>nd</sup> floor – office 2 – 2’ x 4’ ceiling tile	Negative	N/A	MSCT24
13	2 <sup>nd</sup> floor – office 4 – 2’ x 4’ ceiling tile	Negative	N/A	MSCT24
14a	2 <sup>nd</sup> floor – main office – 4” vinyl wallbase	Negative	N/A	MV4
14b	2 <sup>nd</sup> floor – main office – under vinyl wallbase – yellow mastic	Negative	N/A	MV4
15a	2 <sup>nd</sup> floor – office 3 – 4” vinyl wallbase	Negative	N/A	MV4
15b	2 <sup>nd</sup> floor – office 3 – under vinyl wallbase – yellow mastic	Negative	N/A	MV4
16a	2 <sup>nd</sup> floor – office 4 – 4” vinyl wallbase	Negative	N/A	MV4
16b	2 <sup>nd</sup> floor – office 4 – under vinyl wallbase – yellow mastic	Negative	N/A	MV4
17a	2 <sup>nd</sup> floor – women’s restroom – ceiling – plaster skim coat	Negative	N/A	SPI
17b	2 <sup>nd</sup> floor – women’s restroom – ceiling – plaster base coat	Negative	N/A	SPI
18a	1 <sup>st</sup> floor – men’s restroom – ceiling – plaster skim coat	Negative	N/A	SPI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
18b	1 <sup>st</sup> floor – men’s restroom – ceiling – plaster base coat	Negative	N/A	SPI
19a	1 <sup>st</sup> floor – women’s restroom – ceiling – plaster skim coat	Negative	N/A	SPI
19b	1 <sup>st</sup> floor – women’s restroom – ceiling – plaster base coat	Negative	N/A	SPI
20a	2 <sup>nd</sup> floor – hall – on wall – white ceramic tile	Negative	N/A	MCTMw
20b	2 <sup>nd</sup> floor – hall – on wall – under ceramic tile – mastic	Negative	N/A	MCTMw
21a	2 <sup>nd</sup> floor – women’s restroom floor – cream ceramic tile	Negative	N/A	MCTMc
21b	2 <sup>nd</sup> floor – hall – on wall – grout	Negative	N/A	MCTMc
<b>23</b>	<b>1<sup>st</sup> floor – main office – south wall – transite panels</b>	<b>Positive 15% Chrysotile, 10% Amosite</b>	<b>175 Sq. Ft.</b>	<b>MTP</b>
24a	1 <sup>st</sup> floor – northwest office – on floor tile – yellow mastic	Negative	N/A	MF12t
<b>24b</b>	<b>1<sup>st</sup> floor – northwest office – 12” tan floor tile</b>	<b>Positive 6% Chrysotile</b>	<b>150 Sq. Ft.</b>	<b>MF12t</b>
<b>24c</b>	<b>1<sup>st</sup> floor – northwest office – under floor tile – black mastic</b>	<b>Positive 8% Chrysotile</b>	<b>150 Sq. Ft.</b>	<b>MF12t</b>
<b>25</b>	<b>1<sup>st</sup> floor – stair – steps – terrazzo</b>	<b>Positive 30% Chrysotile</b>	<b>90 Sq. Ft.</b>	<b>MTZ</b>
26	2 <sup>nd</sup> floor – main office – between concrete slab and metal deck – leveling compound	Negative	N/A	MLC
27	Basement – on chimney – flue packing	Negative	N/A	TFP
28	1 <sup>st</sup> floor – stair landing – green ceramic tile	Negative	N/A	MCTMg
<b>29</b>	<b>Basement – northeast area - &lt;5” diameter pipe insulation fitting</b>	<b>Positive 6% Chrysotile</b>	<b>30 Fittings</b>	<b>TF5</b>
30a	1 <sup>st</sup> floor – men’s restroom – beige ceramic tile	Negative	N/A	MCTMe
30b	1 <sup>st</sup> floor – men’s restroom – under ceramic tile – mortar	Negative	N/A	MCTMe
31a	1 <sup>st</sup> floor – women’s restroom – on wall – tan ceramic tile	Negative	N/A	MCTMt
31b	1 <sup>st</sup> floor – women’s restroom – on wall – under ceramic tile – mastic	Negative	N/A	MCTMt

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

**Assumed black mastic on concrete floor 1<sup>st</sup> and 2<sup>nd</sup> floor main offices: 7,200 Sq. Ft.**

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

Floor Level	Location	Description	Approximate Quantity
Roof	Building	Built up Roofing & Flashing	4,100 Sq. Ft.

**Homogeneous Material Codes**

SPI	Plaster
MDW	Drywall/Joint Compound
MWM	Wall Mastic
MF12c	12” Cream Floor Tile
MF12t	12” Tan Floor Tile

### **Homogeneous Material Codes**

MSCT24	2' x 4' Ceiling Tile
MCTMc	Cream Ceramic Tile
MCTMe	Beige Ceramic Tile
MCTMw	White Ceramic Tile
MCTMt	Tan Ceramic Tile
MCTMg	Green Ceramic Tile
MTP	Transite
MTZ	Terrazzo
MLC	Leveling Compound
MV4	4" Vinyl Wallbase
TFD	Fitting Debris
TF5	<5" Diameter Pipe Insulation Fitting
TFP	Flue Packing

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

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

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

**Note#4:** Additional fittings and pipe insulation 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>35</u>	Fluorescent Lights – Basement, 1 <sup>st</sup> Floor, 2 <sup>nd</sup> Floor Broken Bulbs on each floor
<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 Breaker Box 1<sup>st</sup> Floor**

<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>16</u>	Light Ballasts – Basement, 1 <sup>st</sup> Floor, 2 <sup>nd</sup> Floor
<u>N/A</u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u>N/A</u>	Sumps or Oil Traps (in maintenance and industrial facilities)

### **OTHER ENVIRONMENTAL ISSUES**

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

\* 1 Gas Meter in Basement

## VIII. LABORATORY RESULTS



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

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 237593	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/03/2014	1237 West Bruce St.
Received By: William Mlekush	Milwaukee, WI 53204
Date Analyzed: 07/09/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2411

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 10	Glass Fiber	20 CaCO3
002	2	Layered	White Joint Compound	Asbestos Not Present	Cellulose Talc	2 3 CaCO3
002a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	20 Gypsum
003	3	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose	20 Gypsum Paint
004	4	Layered	White Texture	Asbestos Not Present	Talc	2 CaCO3 Paint
004a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	20 Gypsum
005	5	Homogeneous	Brown Mastic	Asbestos Not Present	NA	Glue 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. 237593	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/03/2014	1237 West Bruce St.
Received By: William Mlekush	Milwaukee, WI 53204
Date Analyzed: 07/09/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2411

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006	6	Homogeneous	Brown Mastic	Asbestos Not Present	NA	Glue CaCO3
007	7	Homogeneous	Brown Mastic	Asbestos Not Present	NA	Glue CaCO3
008	8	Layered	White Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
008a		Layered	Black Mastic	Asbestos Present Chrysotile 3	NA	Tar
009	9	Layered	White Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
009a		Layered	Black Mastic	Asbestos Present Chrysotile 3	NA	Tar
010	10	Layered	White Floor Tile	Asbestos Not Present	NA	Vinyl 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. 237593	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/03/2014	1237 West Bruce St.
Received By: William Mlekush	Milwaukee, WI 53204
Date Analyzed: 07/09/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2411

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010a		Layered	Black Mastic	Asbestos Present Chrysotile 4	NA	Tar
011	11	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
012	12	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
013	13	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
014	14	Layered	Gray Cove Base	Asbestos Not Present	NA	CaCO3 Binder
014a		Layered	Yellow Cove Base Mastic	Asbestos Not Present	NA	Glue
015	15	Layered	Brown Cove Base	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. 237593	Client: Harena Management Group
Account Number: B929	Jolene Harena
Date Received: 07/03/2014	1237 West Bruce St.
Received By: William Mlekush	Milwaukee, WI 53204
Date Analyzed: 07/09/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2411

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015a		Layered	Yellow Cove Base Mastic	Asbestos Not Present	NA	Glue
016	16	Layered	Brown Cove Base	Asbestos Not Present	NA	CaCO3 Binder
016a		Layered	Yellow Cove Base Mastic	Asbestos Not Present	NA	Glue
017	17	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
017a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
018	18	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
018a		Layered	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. 237593	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/03/2014	1237 West Bruce St.
Received By: William Mlekush	Milwaukee, WI 53204
Date Analyzed: 07/09/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2411

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019	19	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
019a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
020	20	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
020a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
021	21	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
021a		Layered	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
022	23	Homogeneous	Gray Transite	Asbestos Present Chrysotile 15 Amosite 10	NA	CaCO3

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

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



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

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 237593	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/03/2014	1237 West Bruce St.
Received By: William Mlekush	Milwaukee, WI 53204
Date Analyzed: 07/09/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2411

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023	24	Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
023a		Layered	Pink Floor Tile	Asbestos Present Chrysotile 6	NA	Vinyl CaCO3
023b		Layered	Black Mastic	Asbestos Present Chrysotile 8	NA	Vinyl CaCO3
024	25	Homogeneous	Gray Transite	Asbestos Present Chrysotile 30	NA	CaCO3
025	26	Homogeneous	Gray Concrete	Asbestos Not Present	NA	Quartz CaCO3
026	27	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose <1 Glass Fiber 30	CaCO3
027	28	Homogeneous	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.





**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

For Lab Use Only  
Lab No. 237593  
 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: 14-200-042.2411	<input type="checkbox"/> Other email
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	FedEx	<i>[Signature]</i>	7/3/14 10:00AM

REQUESTED SERVICES (Please  the Appropriate Boxes)

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

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



# 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>232593</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	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	23	<input type="checkbox"/>				
23	24	<input type="checkbox"/>				
24	25	<input type="checkbox"/>				
25	26	<input type="checkbox"/>				
26	27	<input type="checkbox"/>				
27	28	<input type="checkbox"/>				
28	29	<input type="checkbox"/>				
29	30	<input type="checkbox"/>				
30	31	<input checked="" type="checkbox"/>				

## **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

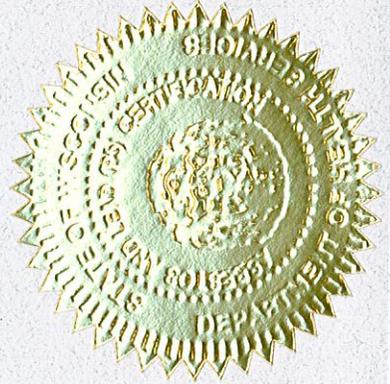
Asbestos Company - Primary

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:**

**Mixed Use Building  
2777-79 North 17<sup>th</sup> Street  
Milwaukee, Wisconsin**

**For:**

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

**HMG Report No.: 14-200-042.2777  
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

**July 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 building at 2777-79 North 17<sup>th</sup> Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, transite siding, flue packing, aircell insulation, drywall/joint compound, ceiling tile, ceramic tile, 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 July 19, 2014 HMG conducted an asbestos inspection of a mixed use building, scheduled for mechanical demolition, located at 2777-79 North 17<sup>th</sup> Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AI – 12823.**

The inspection was comprised of three elements:

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

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

## III. THE LABORATORY

### A. METHOD OF ANALYSIS

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

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

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

#### IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	2 <sup>nd</sup> floor – exterior – east wall – transite siding	Positive 25% Chrysotile	2,400 Sq. Ft.	MTP
2	Exterior – north wall – transite siding	Positive 25% Chrysotile	Reference Sample 1	MTP
3	2 <sup>nd</sup> floor – exterior – west wall – transite siding	Positive 25% Chrysotile	Reference Sample 1	MTP
4	1 <sup>st</sup> floor – exterior – west wall - brick pattern transite siding	Positive 25% Chrysotile	1,300 Sq. Ft.	MTP2
5	1 <sup>st</sup> floor – exterior – east wall - brick pattern transite siding	Positive 30% Chrysotile	Reference Sample 4	MTP2
6	1 <sup>st</sup> floor – exterior – south wall - brick pattern transite siding	Positive 30% Chrysotile	Reference Sample 4	MTP2
7	Basement – on chimney – flue packing	Trace <1% Chrysotile	N/A	TFP
7	POINT COUNT RESULT	Trace <0.25% Chrysotile	N/A	TFP
8	Basement – aircell insulation	Positive 25% Chrysotile	7 Sq. Ft.	TA
9a	1 <sup>st</sup> floor – bar – south wall – plaster skim coat	Negative	N/A	SPI
9b	1 <sup>st</sup> floor – bar – south wall – plaster base coat	Negative	N/A	SPI
10a	1 <sup>st</sup> floor – bar – west wall – plaster skim coat	Negative	N/A	SPI
10b	1 <sup>st</sup> floor – bar – west wall – plaster base coat	Negative	N/A	SPI
11a	1 <sup>st</sup> floor – stair – west wall – plaster skim coat	Negative	N/A	SPI
11b	1 <sup>st</sup> floor – stair – west wall – plaster base coat	Negative	N/A	SPI
12a	2 <sup>nd</sup> floor – hall – north wall – plaster skim coat	Negative	N/A	SPI
12b	2 <sup>nd</sup> floor – hall – north wall – plaster base coat	Negative	N/A	SPI
13a	2 <sup>nd</sup> floor – bathroom – north wall – plaster skim coat	Negative	N/A	SPI
13b	2 <sup>nd</sup> floor – bathroom – north wall – plaster base coat	Negative	N/A	SPI
14a	2 <sup>nd</sup> floor – dining room – east wall – plaster skim coat	Negative	N/A	SPI
14b	2 <sup>nd</sup> floor – dining room – east wall – plaster base coat	Negative	N/A	SPI
15a	Attic – stair – north wall – plaster skim coat	Negative	N/A	SPI
15b	Attic – stair – north wall – plaster base coat	Negative	N/A	SPI
16a	1 <sup>st</sup> floor – hall – north wall – joint compound	Negative	N/A	MDW

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
16b	1 <sup>st</sup> floor – hall – north wall – drywall	Negative	N/A	MDW
17a	2 <sup>nd</sup> floor – kitchen – east wall – joint compound	Negative	N/A	MDW
17b	2 <sup>nd</sup> floor – kitchen – east wall – drywall	Negative	N/A	MDW
18a	1 <sup>st</sup> floor – hall – ceiling – joint compound	Negative	N/A	MDW
18b	1 <sup>st</sup> floor – hall – ceiling – drywall	Negative	N/A	MDW
19	1 <sup>st</sup> floor – bar – north side – 2' x 4' ceiling tile	Negative	N/A	MSCT24
20	1 <sup>st</sup> floor – bar – south side – 2' x 4' ceiling tile	Negative	N/A	MSCT24
21	1 <sup>st</sup> floor – bar – west side – 2' x 4' ceiling tile	Negative	N/A	MSCT24
22a	1 <sup>st</sup> floor – bar – on counter – black ceramic tile	Negative	N/A	MCTMk
22b	1 <sup>st</sup> floor – bar – on counter – grout	Negative	N/A	MCTMk
23	2 <sup>nd</sup> floor – stair – east wall – texture	Negative	N/A	STX
24	2 <sup>nd</sup> floor – stair – west wall – texture	Negative	N/A	STX
25	1 <sup>st</sup> floor – stair – west wall – texture	Negative	N/A	STX
26	2 <sup>nd</sup> floor – stair – on window – glazing compound	Positive 4% Chrysotile	25 Windows	MPG
27	2 <sup>nd</sup> floor – living room – on window – glazing compound	Positive 4% Chrysotile	Reference Sample 26	MPG
27	2 <sup>nd</sup> floor – dining room – on window – glazing compound	Positive 4% Chrysotile	Reference Sample 26	MPG

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

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

Floor Level	Location	Description	Approximate Quantity
Roof	Building	Asphalt Shingles & Flashing	1,700 Sq. Ft.
1 <sup>st</sup>	Bar/Hall/Backroom	Floor Tile & Mastic	2,100 Sq. Ft.
2 <sup>nd</sup>	Hall	Floor Tile & Mastic	70 Sq. Ft.

#### Homogeneous Material Codes

SPI	Plaster
STX	Texture
MTP	Transite
MTP2	Brick Pattern Transite
MDW	Drywall/Joint Compound
MSCT24	2' x 4' Ceiling Tile
MCTMk	Black Ceramic Tile
MPG	Glazing Compound
TA	Aircell Pipe
TFP	Flue Packing

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

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

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

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

## V. EXCLUSIONS

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

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

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

## VI. LIMITATIONS

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

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

## VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

## **ASBESTOS**

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

## **CFCs and HALONS**

Equipment that may contain CFCs and Halons:

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

## **LEAD**

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

## **MERCURY**

Products that may contain mercury:

### **LIGHTING**

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

### **HVAC**

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

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

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

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

<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. 238401  
 Account Number: B929

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

Date Received: 07/22/2014  
 Received By: Judy Rowan  
 Date Analyzed: 07/24/2014  
 Analyzed By: Sandy Baker  
 Methodology: EPA/600/R-93/116

Project: DNS  
 Project Location: Milwaukee, WI  
 Project Number: 14-200-042.2777

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Transite	Asbestos Present Chrysotile 25	NA	CaCO3 Binder
002	2	Homogeneous	Gray Transite	Asbestos Present Chrysotile 25	NA	CaCO3 Binder
003	3	Homogeneous	Gray Transite	Asbestos Present Chrysotile 25	NA	CaCO3 Binder
004	4	Homogeneous	Dark Gray Transite	Asbestos Present Chrysotile 25	NA	CaCO3 Binder
005	5	Homogeneous	Brown/Gray Transite	Asbestos Present Chrysotile 30	NA	CaCO3 Binder
006	6	Homogeneous	Brown/Gray Transite	Asbestos Present Chrysotile 30	NA	CaCO3 Binder
007	7	Homogeneous	Gray Grout	Asbestos Present Chrysotile <1	NA	Quartz Sand

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

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



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

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 238401  
 Account Number: B929

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

Date Received: 07/22/2014  
 Received By: Judy Rowan  
 Date Analyzed: 07/24/2014  
 Analyzed By: Sandy Baker  
 Methodology: EPA/600/R-93/116

Project: DNS  
 Project Location: Milwaukee, WI  
 Project Number: 14-200-042.2777

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Cream Insulation	Asbestos Present Chrysotile 25	NA	CaCO3
009	9	Layered	Tan Texture	Asbestos Not Present	NA	Quartz CaCO3 Paint
009a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand
010	10	Layered	Tan Texture	Asbestos Not Present	NA	Quartz CaCO3 Paint
010a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand
011	11	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
011a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand

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

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



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

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 238401

Account Number: B929

Date Received: 07/22/2014

Received By: Judy Rowan

Date Analyzed: 07/24/2014

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.2777

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012	12	Layered	White Plaster	Asbestos Not Present	NA	Quartz Sand Paint
012a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand
013	13	Laycred	White Plaster	Asbestos Not Present	NA	Quartz Sand Paint
013a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand
014	14	Laycred	White Plaster	Asbestos Not Present	NA	Quartz Sand Paint
014a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand

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

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



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

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 238401  
 Account Number: B929

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

Date Received: 07/22/2014  
 Received By: Judy Rowan  
 Date Analyzed: 07/24/2014  
 Analyzed By: Sandy Baker  
 Methodology: EPA/600/R-93/116

Project: DNS  
 Project Location: Milwaukee, WI  
 Project Number: 14-200-042.2777

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	15	Layered	White Plaster	Asbestos Not Present	NA	Quartz Sand Paint
015a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand
016	16	Layered	White Joint Compound	Asbestos Not Present	Cellulose 70	CaCO3
016a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
017	17	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
017a		Layered	Light Gray Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
018	18	Layered	White Texture	Asbestos Not Present	NA	CaCO3

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

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



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

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 238401

Account Number: B929

Date Received: 07/22/2014

Received By: Judy Rowan

Date Analyzed: 07/24/2014

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.2777

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
019	19	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite Paint
020	20	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite Paint
021	21	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite Paint
022	22	Layered	Black Ceramic Tile	Asbestos Not Present	NA	Clay
022a		Layered	Tan Grout	Asbestos Not Present	NA	Quartz Clay
023	23	Homogeneous	White Ceiling 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. 238401

Account Number: B929

Date Received: 07/22/2014

Received By: Judy Rowan

Date Analyzed: 07/24/2014

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

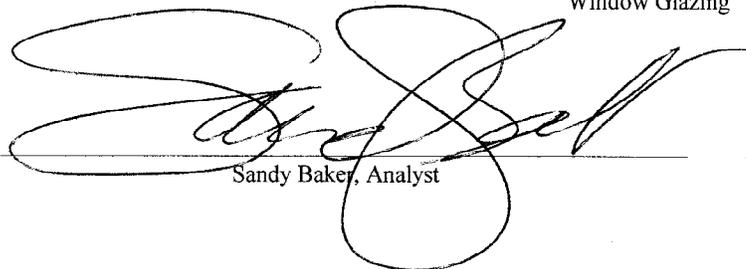
Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.2777

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
024	24	Homogeneous	White Ceiling Texture	Asbestos Not Present	NA	CaCO3 Paint
025	25	Homogeneous	White Ceiling Texture	Asbestos Not Present	NA	CaCO3 Paint
026	26	Homogeneous	Cream Window Glazing	Asbestos Present Chrysotile 4	NA	CaCO3 Paint
027	27	Homogeneous	Cream Window Glazing	Asbestos Present Chrysotile 4	NA	CaCO3 Paint
028	28	Homogeneous	Cream Window Glazing	Asbestos Present Chrysotile 4	NA	CaCO3 Paint



Sandy Baker, Analyst

7/24/2014

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.



# 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. 238401

Accept  Reject

Report Results  one box

QuanTEM Website

Other\_email

Contact Information		Project Information	
Company: <b>Harenda Management Group</b>	Phone: <b>(414) 383-4800</b>	Project Name: <b>DNS</b>	
Contact: <b>Dean Jacobsen</b>	Cell Phone:	Project Location: <b>Milwaukee, WI</b>	
Account #: <b>B929</b>	E-mail: <b>djacobsen@harenda.com</b>	Project ID: <b>14-200-042.2777</b>	
SAMPLED BY: <b>Dean Jacobsen</b>	Name:	PO Number:	

RELINQUISHED BY: <u>Dean Jacobsen</u>	DATE & TIME: <u>7/21/14 1800</u>	VIA: <u>FedEx</u>	RECEIVED BY: <u>Judy Rowan</u>	DATE & TIME: <u>7/22/14 9:50</u>
---------------------------------------	----------------------------------	-------------------	--------------------------------	----------------------------------

REQUESTED SERVICES (Please check the appropriate boxes)																			
No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes	PLM		TEM		TURNAROUND TIME								
							<input 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	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Dust- Presence / Absence
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"/>																	

For Lab Use Only
Lab No. <u>238401</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	11	<input checked="" type="checkbox"/>					
12	12	<input type="checkbox"/>					
13	13	<input type="checkbox"/>					
14	14	<input type="checkbox"/>					
15	15	<input type="checkbox"/>					
16	16	<input type="checkbox"/>					
17	17	<input type="checkbox"/>					
18	18	<input type="checkbox"/>					
19	19	<input type="checkbox"/>					
20	20	<input type="checkbox"/>					
21	21	<input type="checkbox"/>					
22	22	<input type="checkbox"/>					
23	23	<input type="checkbox"/>					
24	24	<input type="checkbox"/>					
25	25	<input type="checkbox"/>					
26	26	<input type="checkbox"/>					
27	27	<input type="checkbox"/>					
28	28	<input checked="" type="checkbox"/>					
29		<input type="checkbox"/>					
30		<input type="checkbox"/>					



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

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 238891

Account Number: B929

Date Received: 08/01/2014

Received By: Joanna Mueller

Date Analyzed: 08/01/2014

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 400PTCT for #238401

Project Location: Milwaukee, WI

Project Number: 14-200-042.2777

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	7	Homogeneous	Gray Grout	Asbestos Present Chrysotile <0.25 1000 Point Count	NA	

Gayle Ooten, Analyst

8/1/2014

Date of Report

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

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



# ASBESTOS CHAIN OF CUSTODY

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

www.QuanTEM.com

## LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only  
 Lab No. 238891  
 Accept  Reject  
 Report Results (in one box)  
 QuanTEM Website  
 Other email

<b>Contact Information</b> Company: Harenda Management Group Contact: Dean Jacobsen Account #: B929 SAMPLED BY: Name: _____		<b>Project Information</b> Project Name: DNS Project Location: Milwaukee, WI Project ID: 14-200-042.2777 PO. Number: _____	
Phone: (414) 383-4800 Cell Phone: _____ E-mail: djacobsen@harenda.com Date: _____	DATE & TIME <u>7/29/14 1550</u> Email	RELINQUISHED BY 	RECEIVED BY 
		DATE & TIME <u>8/14 1:30</u>	

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

No.	Sample ID (10 Characters Max)	To Be Analyzed	PLM		TEM		TEM		TURNAROUND TIME
			Bulk Analysis (EPA 600/R-93/116)	400 Point Count	Air-AHERA	Air-NIOSH 7402	Bulk Presence / Absence EPA600/R-93/116	Bulk Quantitative (weight%) - Chatfield	
<input 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 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 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"/>

No.	Description	Volume / Area (as applicable)	Comments / Notes
1			Quantem Lab#2388401
2			
3			
4			
5			
6			
7			
8			
9			
10			

## **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

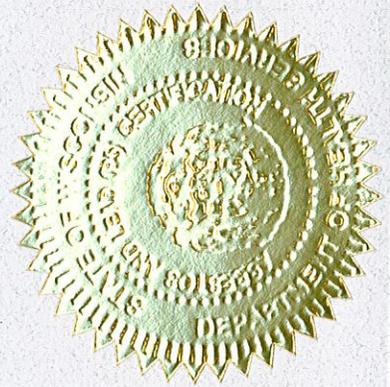
Asbestos Company - Primary

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:**

**Mixed Use Building  
3600-02 West Lisbon Avenue  
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.: 14-200-042.3600  
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

**July 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 building at 3600-02 West Lisbon Avenue, Milwaukee, Wisconsin.

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

## 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 July 10, 2014 HMG conducted an asbestos inspection of a mixed use building, scheduled for mechanical demolition, located at 3600-02 West Lisbon Avenue, 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, tar paper, blown in insulation, ceramic tile, linoleum, drywall/joint compound, ceiling tile, aircell pipe insulation, and flue packing. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – east wall under wood siding – tar paper	Negative	N/A	MPT
2	Exterior – west wall under wood siding – tar paper	Negative	N/A	MPT
3	Exterior – north wall under wood siding – tar paper	Negative	N/A	MPT
4	1 <sup>st</sup> floor – store area – west wall – plaster	Negative	N/A	SPI
5	1 <sup>st</sup> floor – store area – south wall – plaster	Negative	N/A	SPI
6a	1 <sup>st</sup> floor – kitchen – north wall – plaster skim coat	Negative	N/A	SPI
6b	1 <sup>st</sup> floor – kitchen – north wall – plaster base coat	Negative	N/A	SPI
7a	1 <sup>st</sup> floor – living room – south wall – plaster skim coat	Negative	N/A	SPI
7b	2 <sup>nd</sup> floor – living room – south wall – plaster base coat	Negative	N/A	SPI
8	2 <sup>nd</sup> floor – bedroom – ceiling – plaster	Negative	N/A	SPI
9	1 <sup>st</sup> floor – store area – in wall – blown in insulation	Negative	N/A	MBI
10	1 <sup>st</sup> floor – store area – in wall – blown in insulation	Negative	N/A	MBI
11	2 <sup>nd</sup> floor – apartment 1 bathroom – in wall – blown in insulation	Negative	N/A	MBI
12a	1 <sup>st</sup> floor – kitchen – on wall – white ceramic tile	Negative	N/A	MCTMw
12b	1 <sup>st</sup> floor – kitchen – on wall – grout	Negative	N/A	MCTMw
12c	1 <sup>st</sup> floor – kitchen – on wall – under ceramic tile – mortar	Negative	N/A	MCTMw
13a	1 <sup>st</sup> floor – kitchen top layer – white linoleum	Negative	N/A	MFLw
13b	1 <sup>st</sup> floor – kitchen bottom layer – cream linoleum	Negative	N/A	MFLc
14	1 <sup>st</sup> floor – bathroom – tan linoleum	Negative	N/A	MFLt
15a	1 <sup>st</sup> floor – kitchen – on counter – cream ceramic tile	Negative	N/A	MCTMc
15b	1 <sup>st</sup> floor – kitchen – on counter – under ceramic tile – mortar	Negative	N/A	MCTMc
16a	1 <sup>st</sup> floor – bathroom – ceiling – texture	Negative	N/A	STX
16b	1 <sup>st</sup> floor – bathroom – ceiling – texture layer 2	Negative	N/A	STX
17a	1 <sup>st</sup> floor – living room – south wall – texture	Negative	N/A	STX
17b	1 <sup>st</sup> floor – living room – south wall – texture layer 2	Negative	N/A	STX

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
18	2 <sup>nd</sup> floor – apartment 2 living room – south wall – texture layer	Negative	N/A	STX
19	1 <sup>st</sup> floor – bedroom – east wall – drywall	Negative	N/A	MDW
20a	2 <sup>nd</sup> floor – bathroom – east wall – joint compound	Negative	N/A	MDW
20b	2 <sup>nd</sup> floor – bathroom – east wall – drywall	Negative	N/A	MDW
21	2 <sup>nd</sup> floor – bedroom – west wall – drywall	Negative	N/A	MDW
22	1 <sup>st</sup> floor – closet – red linoleum	Negative	N/A	MFLr
23	2 <sup>nd</sup> floor – apartment 1 kitchen – brown linoleum	Negative	N/A	MFLn
24	1 <sup>st</sup> floor – back hall – 1' x 1' ceiling tile	Negative	N/A	MSCT11
25	1 <sup>st</sup> floor – back hall – in floor debris – aircell insulation	Positive 60% Chrysotile	See Note #4	TA
26	Basement – west side – <5" diameter aircell pipe insulation	Positive 80% Chrysotile	See Note #4	TA
27	Basement – center – <5" diameter aircell pipe insulation	Positive 65% Chrysotile	See Note #4	TA
28	Basement – on chimney – flue packing	Negative	N/A	TFP

Notes: N/A = Not Applicable

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

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,700 Sq. Ft.
1 <sup>st</sup>	Kitchen/Bathroom/Closet	Floor Mastic	150 Sq. Ft.
2 <sup>nd</sup>	Bathroom/Kitchen	Floor Mastic	130 Sq. Ft.
2 <sup>nd</sup>	Kitchen/Bathroom	Floor Tile & Mastic	200 Sq. Ft.

#### Homogeneous Material Codes

SPI	Plaster
STX	Texture
MPT	Tar Paper
MBI	Blown in Insulation
MCTMw	White Ceramic Tile
MCTMc	Cream Ceramic Tile
MDW	Drywall/Joint Compound
MFLe	Beige Linoleum
MFLw	White Linoleum
MFLt	Tan Linoleum
MFLr	Red Linoleum
MFLn	Brown Linoleum
MSCT11	1' x 1' Ceramic Tile
TFP	Flue Packing
TA	Aircell Pipe Insulation

**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:** Approximately 420 ln. ft. aircell pipe insulation in basement. Approximately 30 sq. ft. aircell debris on 1<sup>st</sup> back hall floor, and 1,400 sq. ft. aircell debris on basement floor. Additional aircell may be within walls and ceilings.

## V. EXCLUSIONS

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

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

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

## VI. LIMITATIONS

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

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

## **VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST**

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

## **ASBESTOS**

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

## **CFCs and HALONS**

Equipment that may contain CFCs and Halons:

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

## **LEAD**

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

## MERCURY

Products that may contain mercury:

### LIGHTING

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

### HVAC

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

### HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

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

<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

\* 30 Gallons Paint 1<sup>st</sup> Floor

## VIII. LABORATORY RESULTS



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

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 237975

Account Number: B929

Date Received: 07/14/2014

Received By: Judy Rowan

Date Analyzed: 07/17/2014

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: 14-200-042.3600

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 25 Synthetic 25	Tar Binder
002	2	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 25 Synthetic 25	Tar Binder
003	3	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 25 Synthetic 25	Tar Binder
004	4	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
005	5	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
006	6	Layered	Cream Skim Coat	Asbestos Not Present	Talc	3 Gypsum Paint Binder
006a		Layered	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. 237975	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/14/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/17/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3600

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007	7	Layered	Cream Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
007a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
008	8	Homogeneous	White Ceramic Tile	Asbestos Not Present	NA	Clay
009	9	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
010	10	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
011	11	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
012	12	Layered	White 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. 237975

Account Number: B929

Date Received: 07/14/2014

Received By: Judy Rowan

Date Analyzed: 07/17/2014

Analyzed By: Gayle Ooten

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: 14-200-042.3600

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012a		Layered	Gray Grout	Asbestos Not Present	Cellulose 5	CaCO3
012b		Layered	White Grout	Asbestos Not Present	NA	CaCO3
013	13	Layered	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
013a		Layered	White Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
014	14	Homogeneous	Brown Floor Tile	Asbestos Not Present	NA	Vinyl Binder
015	15	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
015a		Layered	Gray Leveling Compound	Asbestos Not Present	Cellulose 4	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. 237975	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/14/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/17/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3600

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016	16	Layered	Cream Texture	Asbestos Not Present	NA	Quartz Gypsum Paint
016a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
017	17	Layered	Cream Skim Coat	Asbestos Not Present	Talc	4 Gypsum Paint
017a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Gypsum
018	18	Homogeneous	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
019	19	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose	20 Gypsum Paint
020	20	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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

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



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

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 237975	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/14/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/17/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3600

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
021	21	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum Paint
022	22	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 25	Tar
023	23	Homogeneous	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
024	24	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 80	Paint
025	25	Homogeneous	White Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
026	26	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 80	NA	Binder

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

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

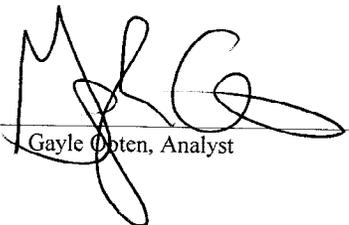


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 237975	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/14/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/17/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3600

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
027	27	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 65	Cellulose 30	Binder
028	28	Homogeneous	Gray Concrete	Asbestos Not Present	NA	Quartz CaCO3

  
 Gayle Ooten, Analyst

7/17/2014  
 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: <b>Harenda Management Group</b> Contact: <b>Dean Jacobsen</b> Account #: <b>B929</b> Project Name: <b>DNS</b>		<b>Project Information</b> Project Location: <b>Milwaukee, WI</b> Project ID: <b>14-200-042.3600</b> P.O. Number:	
Phone: <b>(414) 383-4800</b> Cell Phone: E-mail: <b>djacobsen@harenda.com</b> Date:	RELINQUISHED BY <i>Dean Jacobsen</i>	DATE & TIME <b>7/14/18 1800</b>	VIA <b>FedEx</b>
SAMPLED BY: Name:	RECEIVED BY <i>Judy Rowan</i>	DATE & TIME <b>7/14/18 10:20</b>	

For Lab Use Only

Lab No. **237975**

Accept  Reject

Report Results  one box

QuanTEM Website

Other\_email

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

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes	TURNAROUND TIME	
							PLM	TEM
<input checked="" 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 checked="" type="checkbox"/>
		<input type="checkbox"/>					<input type="checkbox"/>	<input 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. 237975  
 Accept  Reject

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

Do Not Test / Notice

## **IX. HMG CERTIFICATION**

# Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

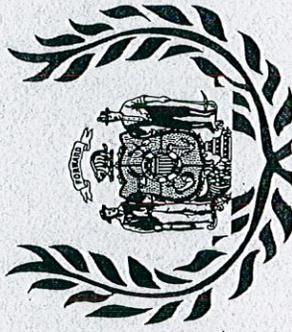
PO BOX 511305  
NEW BERLIN WI 53151-2105

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

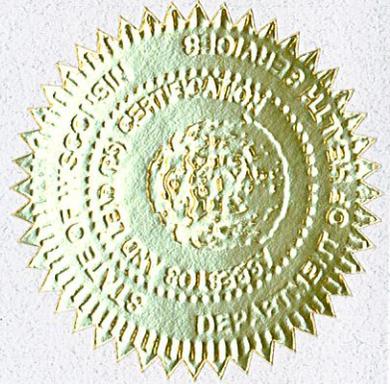
Asbestos Company - Primary

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:**

**Mixed Use Building  
3919-21 West North Avenue  
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.: 14-200-042.3919  
Contract No.: 360-14-0745**

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

Dean Jacobsen  
Asbestos Inspector No. AII – 14370

Prepared by:

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

**July 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 3919-21 West North Avenue, Milwaukee, Wisconsin.

The inspection included plaster, spray on fire proofing, drywall/joint compound, ceiling tile, ceramic tile, window glazing 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 July 1, 2014 HMG conducted an asbestos inspection of a mixed use building, scheduled for mechanical demolition, located at 3919-21 West North Avenue, 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, spray on fire proofing, drywall/joint compound, ceiling tile, ceramic tile, window glazing compound, and linoleum. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1a	1 <sup>st</sup> floor – bar area – east wall – plaster skim coat	Negative	N/A	SPI
1b	1 <sup>st</sup> floor – bar area – east wall – plaster base coat	Negative	N/A	SPI
2	1 <sup>st</sup> floor – bar area – floor debris – spray on fireproofing	Positive 15% Chrysotile	See Note #4	SSF
3	Basement – ceiling – plaster	Negative	N/A	SPI
4a	2 <sup>nd</sup> floor – stair – west wall – plaster skim coat	Negative	N/A	SPI
4b	2 <sup>nd</sup> floor – stair – west wall – plaster base coat	Negative	N/A	SPI
5a	2 <sup>nd</sup> floor – dining room – south wall – plaster skim coat	Negative	N/A	SPI
5b	2 <sup>nd</sup> floor – dining room – south wall – plaster base coat	Negative	N/A	SPI
6	1 <sup>st</sup> floor – bar area – east wall – drywall	Negative	N/A	MDW
7a	1 <sup>st</sup> floor – back room – north wall – joint compound	Negative	N/A	MDW
7b	1 <sup>st</sup> floor – back room – north wall – drywall	Negative	N/A	MDW
8a	2 <sup>nd</sup> floor – hall – south wall – joint compound	Negative	N/A	MDW
8b	2 <sup>nd</sup> floor – hall – south wall – drywall	Negative	N/A	MDW
9	1 <sup>st</sup> floor – bar area – 2' x4' ceiling tile	Negative	N/A	MSCT24
10	1 <sup>st</sup> floor – bar area – 2' x4' ceiling tile	Negative	N/A	MSCT24
11	1 <sup>st</sup> floor – bar area – 2' x4' ceiling tile	Negative	N/A	MSCT24
12a	Exterior – at entry – green ceramic tile	Negative	N/A	MCTMg
12b	Exterior – at entry – grout	Negative	N/A	MCTMg
12c	Exterior – at entry – under ceramic tile – mortar	Negative	N/A	MCTMg
13	2 <sup>nd</sup> floor – bedroom – on window – glazing compound	Negative	N/A	MPG
14	2 <sup>nd</sup> floor – dining room – on window – glazing compound	Negative	N/A	MPG
15	2 <sup>nd</sup> floor – living room – on window – glazing compound	Negative	N/A	MPG
16	2 <sup>nd</sup> floor – hall – 2' x 2' ceiling tile	Negative	N/A	MSCT22
17	2 <sup>nd</sup> floor – kitchen – 1' x 1' ceiling tile	Negative	N/A	MSCT11
18a	1 <sup>st</sup> floor – bar area – west side top layer – 12" tan floor tile	Negative	N/A	MF12t
18b	1 <sup>st</sup> floor – bar area – west side 2 <sup>nd</sup> layer – brown linoleum	Negative	N/A	MFLn
18c	1 <sup>st</sup> floor – bar area – west side under linoleum – leveling compound	Negative	N/A	MLC

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

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

<b>Floor Level</b>	<b>Location</b>	<b>Description</b>	<b>Approximate Quantity</b>
Roof	Dwelling	Built up Roofing & Flashing	1,400 Sq. Ft.
1 <sup>st</sup>	Bar Area	Floor Tile & Mastic	1,200 Sq. Ft.
2 <sup>nd</sup>	Kitchen/Pantry/Bathroom	Floor Tile & Mastic	200 Sq. Ft.
2 <sup>nd</sup>	Kitchen	Ceiling Mastic	150 Sq. Ft.

**Homogeneous Material Codes**

SPI	Plaster
SSF	Spray on Fireproofing
MDW	Drywall/Joint Compound
MSCT24	2' x 4' Ceiling Tile
MSCT22	2' x 2' Ceiling Tile
MSCT11	1' x 1' Ceiling Tile
MCTMg	Green Ceramic Tile
MPG	Glazing Compound
MF12t	12" Tan Floor Tile
MFLn	Brown Linoleum
MLC	Leveling 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.

**Note#4:** Spray on fireproofing identified on bar area ceiling and overspray – approximately 320 Sq. Ft.  
Spray on debris on floor mingled with wood/carpet/refuse – approximately 400 Sq. Ft.

**V. EXCLUSIONS**

**1<sup>st</sup> floor bathroom and back hall floors not accessible. 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

<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. 237577	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/03/2014	1237 West Bruce St.
Received By: William Mlekush	Milwaukee, WI 53204
Date Analyzed: 07/09/2014	Project: DNS
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3919

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint Quartz
001a		Layered	Gray Plaster	Asbestos Not Present	Cellulose <1	Quartz Gypsum
002	2	Homogeneous	Tan Insulation	Asbestos Present Chrysotile 15	NA	Binder Perlite
003	3	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Gypsum
004	4	Layered	Tan Skim Coat	Asbestos Not Present	NA	CaCO3 Quartz Paint
004a		Layered	Gray Plaster	Asbestos Not Present	Cellulose 2	Quartz CaCO3
005	5	Layered	White Skim Coat	Asbestos Not Present	NA	Perlite CaCO3 Quartz

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. 237577	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/03/2014	1237 West Bruce St.
Received By: William Mlekush	Milwaukee, WI 53204
Date Analyzed: 07/09/2014	Project: DNS
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3919

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
005a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Gypsum
006	6	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum Paint
007	7	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
007a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
008	8	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
008a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
009	9	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite Paint

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

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



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

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 237577	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/03/2014	1237 West Bruce St.
Received By: William Mlekush	Milwaukee, WI 53204
Date Analyzed: 07/09/2014	Project: DNS
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3919

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010	10	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite Paint
011	11	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 35 Glass Fiber 25	Perlite Paint
012	12	Layered	Green Ceramic Tile	Asbestos Not Present	NA	Clay
012a		Layered	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
012b		Layered	White Leveling Compound	Asbestos Not Present	NA	CaCO3
013	13	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
014	14	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3

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

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



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

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 237577	Client: Harendra Management Group
Account Number: B929	Jolene Harendra
Date Received: 07/03/2014	1237 West Bruce St.
Received By: William Mlekush	Milwaukee, WI 53204
Date Analyzed: 07/09/2014	Project: DNS
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3919

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	15	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
016	16	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
017	17	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
018	18	Layered	Tan Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
018a		Layered	Brown Linoleum	Asbestos Not Present	Cellulose 40	Cork Binder Tar
018b		Layered	White Leveling Compound	Asbestos Not Present	NA	Gypsum

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

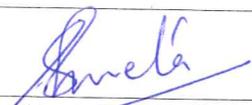
QuanTEM is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP 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. 237577	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/03/2014	1237 West Bruce St.
Received By: William Mlekush	Milwaukee, WI 53204
Date Analyzed: 07/09/2014	Project: DNS
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3919

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
				7/9/2014		
	Shweta Harankhedkar, 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  
**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

Page 2 of 2  
 For Lab Use Only  
 Lab No. 237577  
 Accept  Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI			
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11		<input checked="" type="checkbox"/>				
12		<input type="checkbox"/>				
13		<input type="checkbox"/>				
14		<input type="checkbox"/>				
15		<input type="checkbox"/>				
16		<input type="checkbox"/>				
17		<input type="checkbox"/>				
18		<input checked="" type="checkbox"/>				Do NOT Test Asbestos
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

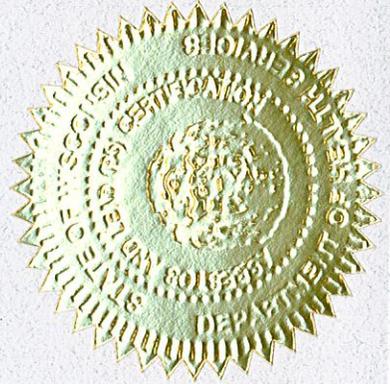
Asbestos Company - Primary

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:**

**Mixed Use Building  
4805 North 47<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.: 14-200-042.4805  
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

**June 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 building at 4805 North 47<sup>th</sup> Street, Milwaukee, Wisconsin.

The inspection included linoleum, caulk, window glazing compound, wallbase, duct paper, flue packing, drywall/joint compound, and ceiling 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 June 23, 2014 HMG conducted an asbestos inspection of a mixed use building and garage, scheduled for mechanical demolition, located at 4805 North 47<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 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 linoleum, caulk, window glazing compound, wallbase, duct paper, flue packing, drywall/joint compound, and ceiling tile. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1a	1 <sup>st</sup> floor – store area – 2 <sup>nd</sup> layer – cream linoleum	Negative	N/A	MFLc
1b	1 <sup>st</sup> floor – store area – 3 <sup>rd</sup> layer – orange linoleum	Negative	N/A	MFLo
2	1 <sup>st</sup> floor – storage area 1 – 3 <sup>rd</sup> layer – orange linoleum	Negative	N/A	MFLo
3	1 <sup>st</sup> floor – storage area 2 – 3 <sup>rd</sup> layer – orange linoleum	Negative	N/A	MFLo
5	Attic – black and tan linoleum	Negative	N/A	MFLkt
6	Exterior – south side – on aluminum stack – gray insulation	Negative	N/A	MSI
7	Exterior – south side on gas meter – brown caulk	Negative	N/A	MCLKn
8	Exterior – south side on gas meter – gray caulk	Negative	N/A	MCLKy
9	1 <sup>st</sup> floor – store area – south window – glazing compound	Negative	N/A	MPG
10	Attic – south window – glazing compound	Negative	N/A	MPG
11	1 <sup>st</sup> floor – kitchen – west window – glazing compound	Negative	N/A	MPG
12a	1 <sup>st</sup> floor – store area – 4” vinyl wallbase	Negative	N/A	MV4
12b	1 <sup>st</sup> floor – store area – under wallbase – mastic	Negative	N/A	MV4
13a	1 <sup>st</sup> floor – storage area 1 – 4” vinyl wallbase	Negative	N/A	MV4
13b	1 <sup>st</sup> floor – storage area 1 – under wallbase – mastic	Negative	N/A	MV4
14a	1 <sup>st</sup> floor – storage area 2 – 4” vinyl wallbase	Negative	N/A	MV4
14b	1 <sup>st</sup> floor – storage area 2 – under wallbase – mastic	Negative	N/A	MV4
<b>15</b>	<b>Basement – on boot – duct paper</b>	<b>Positive 80% Chrysotile</b>	<b>35 Sq. Ft.</b>	<b>TDW</b>
<b>16</b>	<b>Basement – on duct – duct paper</b>	<b>Positive 80% Chrysotile</b>	<b>Reference Sample 15</b>	<b>TDW</b>
<b>17</b>	<b>Basement – on duct – duct paper</b>	<b>Positive 80% Chrysotile</b>	<b>Reference Sample 15</b>	<b>TDW</b>
18	Basement – on south side of chimney – dark gray flue packing	Negative	N/A	TFPydark
19	Basement – on south side of chimney – light gray flue packing	Negative	N/A	TFPylight
20a	1 <sup>st</sup> floor – hall – west wall – joint compound	Negative	N/A	MDW
20b	1 <sup>st</sup> floor – hall – west wall – drywall	Negative	N/A	MDW
21a	Attic – ceiling – joint compound	Negative	N/A	MDW
21b	Attic – ceiling – drywall	Negative	N/A	MDW

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
22a	1 <sup>st</sup> floor – living room – north wall – joint compound	Negative	N/A	MDW
22b	1 <sup>st</sup> floor – living room – north wall – drywall	Negative	N/A	MDW
23	Attic – black and gray linoleum	Negative	N/A	MFLky
24	1 <sup>st</sup> floor – storage area 1 – 2' x 4' ceiling tile	Negative	N/A	MSCT24
25	1 <sup>st</sup> floor – storage area 1 – 2' x 4' ceiling tile	Negative	N/A	MSCT24
26	1 <sup>st</sup> floor – storage area 2 – 2' x 4' ceiling tile	Negative	N/A	MSCT24
27	1 <sup>st</sup> floor – kitchen – 2' x 2' ceiling tile	Negative	N/A	MSCT22
28	1 <sup>st</sup> floor – kitchen – 2' x 2' ceiling tile	Negative	N/A	MSCT22
29	1 <sup>st</sup> floor – living room – 2' x 2' ceiling tile	Negative	N/A	MSCT22
30	Garage – east wall under aluminum siding – fiberboard	Negative	N/A	MFB
31	Garage – south wall under aluminum siding – fiberboard	Negative	N/A	MFB
32	Garage – north wall under aluminum siding – fiberboard	Negative	N/A	MFB
33	Garage – east wall under fiberboard – drywall #2	Negative	N/A	MDW2
34	Garage – south wall under fiberboard – drywall #2	Negative	N/A	MDW2
35	Garage – north wall under fiberboard – drywall #2	Negative	N/A	MDW2

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

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

Floor Level	Location	Description	Approximate Quantity
Roof	Building	Asphalt Shingles & Flashing	1,900 Sq. Ft.
Roof	Garage	Asphalt Shingles & Flashing	450 Sq. Ft.
1 <sup>st</sup>	Store/Storage Areas/Kitchen/ Bathroom/Hall/Stair	Floor Tile & Mastic	1,300 Sq. Ft.
Lower Level	Kitchen/Bathroom	Floor Tile & Mastic	200 Sq. Ft.
Attic	Main Area	Floor Tile & Mastic	200 Sq. Ft.

**Homogeneous Material Codes**

MFLo	Orange Linoleum
MFLkt	Black & Tan Linoleum
MFLky	Black & Gray Linoleum
MSI	Stack Insulation
MCLKn	Brown Caulk
MCLKy	Gray Caulk
MPG	Glazing Compound
MV4	4" Vinyl Wallbase
MDW	Drywall/Joint Compound
MDW2	Drywall #2
MSCT24	2' x 4' Ceiling Tile
MSCT22	2' x 2' Ceiling Tile
MFB	Fiberboard
TFPydark	Dark Gray Flue Packing
TFPylight	Light Gray Flue Packing
TDW	Duct Paper

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

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

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

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

## V. EXCLUSIONS

**Basement partially flooded – crawl spaces 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>N/A</u>	Fire Extinguishers (both portable and installed HALON suppression systems)
<u>N/A</u>	Water Coolers

## **LEAD**

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

## **MERCURY**

Products that may contain mercury:

### **LIGHTING**

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

### **HVAC**

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

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

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

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

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

## **ELECTRICAL SYSTEMS**

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

### **PCBs**

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

<u>N/A</u>	Transformers
<u>N/A</u>	Capacitors (appliances, electronic equipment)
<u>N/A</u>	Heat Transfer Equipment
<u>4</u>	Light Ballasts – 1 <sup>st</sup> Floor Kitchen
<u>N/A</u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u>N/A</u>	Sumps or Oil Traps (in maintenance and industrial facilities)

## **OTHER ENVIRONMENTAL ISSUES**

<u>N/A</u>	Hazardous Waste
<u>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. 237480

Account Number: B929

Date Received: 07/01/2014

Received By: Judy Rowan

Date Analyzed: 07/07/2014

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: 14-200-042.4805

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Layered	Cream Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
001a		Layered	Tan/Brown Linoleum	Asbestos Not Present	Cellulose 20	Tar Binder
002	2	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 20	Tar Binder
003	3	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 20	Tar Binder
004	5	Homogeneous	Brown/Yellow Flooring	Asbestos Not Present	Cellulose Synthetic 30	Binder 10
005	6	Homogeneous	Gray Insulation	Asbestos Not Present	Glass Fiber 60	Gypsum
006	7	Homogeneous	Gray Concrete	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. 237480

Account Number: B929

Date Received: 07/01/2014

Received By: Judy Rowan

Date Analyzed: 07/07/2014

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: 14-200-042.4805

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007	8	Homogeneous	Gray Concrete	Asbestos Not Present	NA	Sand CaCO3
008	9	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
009	10	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
010	11	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
011	12	Layered	Brown Cove Base	Asbestos Not Present	NA	Vinyl CaCO3
011a		Layered	Cream Mastic	Asbestos Not Present	NA	Glue
012	13	Layered	Brown Cove Base	Asbestos Not Present	NA	Vinyl 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. 237480	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/01/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/07/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.4805

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012a		Layered	Cream Mastic	Asbestos Not Present	NA	Glue
013	14	Layered	Brown Cove Base	Asbestos Not Present	NA	Vinyl CaCO3
013a		Layered	Cream Mastic	Asbestos Not Present	NA	Glue
014	15	Homogeneous	White Insulation	Asbestos Present Chrysotile 80	NA	Binder
015	16	Homogeneous	White Insulation	Asbestos Present Chrysotile 80	NA	Binder
016	17	Homogeneous	White Insulation	Asbestos Present Chrysotile 80	NA	Binder
017	18	Homogeneous	Gray Concrete	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. 237480

Account Number: B929

Date Received: 07/01/2014

Received By: Judy Rowan

Date Analyzed: 07/07/2014

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: 14-200-042.4805

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018	19	Homogeneous	Gray Concrete	Asbestos Not Present	NA	Sand CaCO3
019	20	Layered	White Joint Compound	Asbestos Not Present	NA	Gypsum
019a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
020	21	Layered	White Joint Compound	Asbestos Not Present	NA	Gypsum
020a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
021	22	Layered	White Joint Compound	Asbestos Not Present	NA	Gypsum
021a		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. 237480

Account Number: B929

Date Received: 07/01/2014

Received By: Judy Rowan

Date Analyzed: 07/07/2014

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: 14-200-042.4805

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
022	23	Homogeneous	Gray Linoleum	Asbestos Not Present	Cellulose 20	Tar Binder
023	24	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
024	25	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
025	26	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
026	27	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite Paint
027	28	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite Paint
028	29	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite Paint

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

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



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

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 237480	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/01/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/07/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.4805

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
029	30	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 90	Tar
030	31	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 90	Tar
031	32	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 90	Tar
032	33	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
033	34	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
034	35	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum

Cristal Veech, Analyst

7/7/2014

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. <b>237480</b>	Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>
Report Results <input checked="" type="checkbox"/> one box	
<input checked="" type="checkbox"/> QuanTEM Website	<input type="checkbox"/> Other email _____

Contact Information		Project Information	
Company: <b>Harenda Management Group</b>	Phone: <b>(414) 383-4800</b>	Project Name: <b>DNS</b>	
Contact: <b>Dean Jacobsen</b>	Cell Phone: _____	Project Location: <b>Milwaukee, WI</b>	
Account #: <b>B929</b>	E-mail: <b>djacobsen@harenda.com</b>	Project ID: <b>14-200-042.4805</b>	
SAMPLED BY: _____	Name: _____	PO. Number: _____	

RELINQUISHED BY: <i>[Signature]</i>	DATE & TIME: <b>6/22/14 (800)</b>	VIA: <b>FedEx</b>	RECEIVED BY: <i>[Signature]</i>	DATE & TIME: <b>7/1/14 10:00</b>
-------------------------------------	-----------------------------------	-------------------	---------------------------------	----------------------------------

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

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes	PLM		TEM		TURNAROUND TIME								
							<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	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Bulk- Quantitative (weight%) - Chatfield	<input type="checkbox"/> Dust- Presence / Absence
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



# 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. 237480	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				
12	13				
13	14				
14	15				
15	16				
16	17				
17	18				
18	19				
19	20				
20	21				
21	22				
22	23				
23	24				Do Not Test Justice
24	25				
25	26				
26	27				
27	28				
28	29				
29	30				
30	31				



**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 3 of 3

For Lab Use Only  
 Lab No. 237480  
 Accept  Reject

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

## **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:**

**Commercial Garage  
5320 West Hampton Avenue  
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.: 14-200-042.5320  
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

**June 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 5320 West Hampton Avenue, Milwaukee, Wisconsin.

The inspection included plaster, texture and drywall 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 May 29, 2014 HMG conducted an asbestos inspection of a commercial garage, scheduled for mechanical demolition, located at 5320 West Hampton Avenue, 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 and drywall. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Office – on east wall – texture	Negative	N/A	STX
2	Office – on east wall – texture	Negative	N/A	STX
3	Office – on east wall – texture	Negative	N/A	STX
4	Office – in debris pile – plaster	Negative	N/A	SPI
5	Office – in debris pile – plaster	Negative	N/A	SPI
6	Office – in debris pile – plaster	Negative	N/A	SPI
7	Office – east wall – drywall	Negative	N/A	MDW
8	Office – east wall – drywall	Negative	N/A	MDW
9	Office – south wall – drywall	Negative	N/A	MDW

Notes: N/A = Not Applicable

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

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Built up Roofing & Flashing	3,600 Sq. Ft.

#### Homogeneous Material Codes

SPI Plaster  
 STX Texture  
 MDW Drywall

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

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

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

#### V. EXCLUSIONS

**Stairs to basement, 2<sup>nd</sup> floor and attic damaged – basement, 2<sup>nd</sup> floor and attic not accessible. Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.**

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

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

## VI. LIMITATIONS

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

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

## **VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST**

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

## **ASBESTOS**

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

## **CFCs and HALONS**

Equipment that may contain CFCs and Halons:

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

## **LEAD**

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

## **MERCURY**

Products that may contain mercury:

### **LIGHTING**

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

### **HVAC**

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

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

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

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

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

## ELECTRICAL SYSTEMS

<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>5</u>	Hazardous Waste Drums – Exterior
<u>1</u>	Oil Tanks – Possible UST behind building
<u>N/A</u>	Well Abandonment
<u>6</u>	Junk Auto Tires – Garage
<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. 236053	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/30/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 06/04/2014	Project: HA
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.5320

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3 Paint
002	2	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3 Paint
003	3	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3 Paint
004	4	Homogeneous	Tan Sheetrock	Asbestos Not Present	NA	Gypsum
005	5	Homogeneous	Tan Sheetrock	Asbestos Not Present	NA	Gypsum
006	6	Homogeneous	Tan Sheetrock	Asbestos Not Present	NA	Gypsum
007	7	Homogeneous	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.

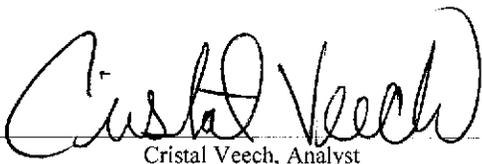


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 236053	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/30/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 06/04/2014	Project: HA
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.5320

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
009	9	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum

  
 Cristal Veech, Analyst

6/4/2014  
 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. 236053  
Accept  Reject

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

Project Information  
Project Name: HA  
Project Location: Milwaukee, WI  
Project ID: 14-200-042-5320  
P.O. Number: \_\_\_\_\_

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

RELINQUISHED BY: [Signature] DATE & TIME: 5/29/14 1800 VIA: FedEx RECEIVED BY: [Signature] DATE & TIME: 5/30/14 9:40

REQUESTED SERVICES (Please  the Appropriate Boxes)

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

No.	Sample ID (10-Characters Max)	<input checked="" type="checkbox"/> 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 checked="" type="checkbox"/>				
10		<input type="checkbox"/>				

## **IX. HMG CERTIFICATION**

# Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305  
NEW BERLIN WI 53151-2105

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

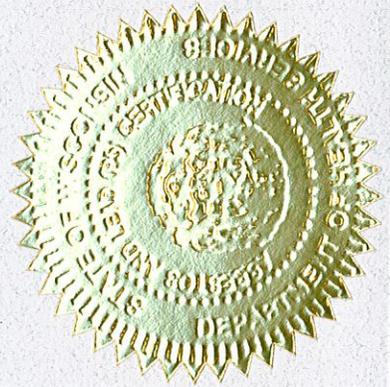
Asbestos Company - Primary

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

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



*Shelley A Bruce*  
Shelley A Bruce,  
Unit Supervisor





**ASBESTOS INSPECTOR**

Issued By

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

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

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

Training due by: 03/19/2015



**LEAD BASED PAINT  
INSPECTION REPORT**

**Job Site:**

**Mixed Use Building/Garage  
1554-56 North 35<sup>th</sup> Street  
Milwaukee, Wisconsin**

**For:**

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

**HMG Report No.: 13-2000-068.1554L  
Contract No.: 360-13-0745**

Dean Jacobsen  
Lead Risk Assessor # LRA 14370

**Prepared by:**

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

**September 2013**

**TABLE OF CONTENTS**

I. Introduction ..... 2

---

II. Component Testing ..... 2  
    A. Summary  
    B. Tests Results of Components  
    C. Summary of OSHA Lead Based Paint Regulations  
    D. Summary of Wisconsin Department of Natural Resources Information

III. Limitations ..... 4

IV. Laboratory Results ..... 5

## I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct a preliminary survey for possible Lead Based Paint on the concrete and masonry surfaces at the following location: **1554-56 North 35<sup>th</sup> Street, Milwaukee, Wisconsin, commercial building.** Enclosed you will find a summary of the paint testing at the above referenced location. All other areas/materials were excluded from this scope of work.

A lead based paint inspection and sampling are recommended for building materials that may contain surfaces painted before 1978. The inspection determines if lead based paint is present in the building, the location(s) of lead containing surfaces, and the amount of lead in the paint. If the surfaces will be disturbed or demolished, workers can then prepare proper safety measures to reduce exposure to lead containing dust.

The testing took place on September 3, 2013. Samples of paint were collected from masonry surfaces (brick and block) representing all observed paint colors. Samples were analyzed at Quantem Laboratories of Oklahoma City, Oklahoma, for total lead content using USEPA Method 7000B (Reference Section II for results).

The Wisconsin Administrative Code (DHS 163) defines lead-based paint as having a surface concentration of lead that is more than 0.7 milligrams of lead per square centimeter of surface (0.7 mg/cm<sup>2</sup>) or more than 0.06% of lead per weight of a paint chip sample.

**The results of the analysis was classified as follows:**

- Positive:** Any result above the HFS 163 Standard of 0.06% lead.
- Negative:** Any result at or below the HFS 163 Standard of 0.06% lead.

## II. COMPONENT TESTING

### A. Summary

In an effort to develop a painting history of the building, masonry was tested for the presence of lead based paint.

#### **Exterior: 1554-56 North 35<sup>th</sup> Street**

- **Painted brick was observed on the exterior. Lead based paint was detected on white painted brick mixed use building walls.**

#### **Interior: 1554-56 North 35<sup>th</sup> Street**

**Painted block and brick walls were observed on the interior. Lead based paint was not detected.**

Reference Test Results of Components below.

## B. Test Results of Components:

Site: 1554-56 North 35<sup>th</sup> Street, Milwaukee, Wisconsin

Date: 9/3/13

Paint Testing Results						
Sample	Location	Component & Feature	Substrate	Color	PbC (%)	Result
1L-1554	Exterior	North Wall	Brick	Beige	0.0849	Positive
2L-1554	Exterior	East Wall	Brick	Black	<0.0046	Negative
3L-1554	Garage	West Wall	Block	White	0.0358	Negative
4L-1554	Basement	Southeast Wall	Brick	White	0.0572	Negative
5L-1554	Basement	Safe Wall	Block	White	<0.0047	Negative
6L-1554	Exterior	Northeast Wall	Brick	Off White	<0.0047	Negative

**The inspection did find Lead-Based Paint on the mixed use building exterior white brick walls. All other painted masonry surfaces do not have Lead-Based Paint.** If there are any further concerns over what to do with certain components, we can do additional testing, and/or review records for historical precedents for removal, disposal and cleanup.

If the owner or contractor is not sure that an area has been remodeled in the past, any other paint that is disturbed should be handled as lead based paint. **Proper lead safe work practices (see Part C. below) should be followed to protect both workers and visitors in those circumstances.**

Lead-Based Paint components were in good condition at the time of this inspection. Where lead based paint is known or suspected, the owner and contractors must work in a lead safe manner, taking care to limit the amount of lead dust generated through wet work methods. Clean up in a lead safe manner, i.e. not dry sweeping or vacuuming. Use a HEPA vacuum and wet cleaning to work lead safe.

The testing of components in the structure fulfilled the need for OSHA notification of workers.

## C. Summary of OSHA Lead Based Paint Regulations

The OSHA regulation for Lead Exposure in Construction is 29 CFR 1926.62. The law states that in the presence of any measurable amount of Lead a contractor is obligated to take some actions to ensure the safety of its work-force and that of the owner.

Workers demolishing building materials containing lead based paint must be monitored for lead exposure. Monitoring for lead exposure is covered under U.S. Department of Labor Occupational Safety and Health Administration 29 CFR 1926.62 for the construction industry, which includes:

- Demolition or salvage of structures where lead or materials containing lead are present.
- Removal or encapsulation of materials containing lead.
- New construction, alteration, repair, or renovation of structures, substrates, or portions thereof, that contain lead, or materials containing lead.

The employer is required to initially determine if any employee may be exposed to lead at or above

the action level. **The action level means employee exposure, without regard to the use of respirators, to an airborne lead concentration of 30  $\mu\text{g}/\text{m}^3$  of air calculated as an 8 hour time weighted average.** The employer must collect personal samples representative of a full shift for each job classification in each work area. The samples must be representative of the monitored employee's regular daily exposure to lead. **OSHA has also set a permissible exposure limit (PEL) which is defined as a lead concentration of 50  $\mu\text{g}/\text{m}^3$  of air averaged over an eight hour period.** If the initial exposure assessment has not been completed, the employer must treat the employee as if the employee were exposed above the PEL, and not in excess of ten times the PEL, for tasks including demolition of structures with lead containing coatings or paint. This includes respiratory protection, personal protective clothing and equipment, change areas, hand washing facilities, biological monitoring, and training.

If all concentrations are below the action level, additional air monitoring is not needed except when there has been a change in equipment, process, control, personnel, or type of task that may result in additional employees being exposed to lead at or above the action level. If exposure is between the action level and PEL, air monitoring must be done at least every six months until two consecutive readings taken at least seven days apart are below the action level. If exposure is above the PEL, air monitoring must be done quarterly until two consecutive readings taken at least seven days apart are below the PEL. Employees must be notified in writing of the results within 5 working days after completion of the air exposure assessment.

#### **D. Summary of Wisconsin Department of Natural Resources Information**

According to Wisconsin Department of Natural Resources Concrete Recycling and Disposal Fact Sheet, building materials from remodeling or demolition debris that contain lead based paint are considered a solid waste, unless an exemption is obtained from the Department. Check with the Department for further guidance. Lead based paint chips or paint residue by themselves may be a hazardous waste. Additional testing by the toxicity characteristic leaching procedure (TCLP) method and comparison to hazardous waste regulations would be needed to determine this.

### **III. LIMITATIONS**

The care and skill given to our procedures insures the most reliable test results possible. The findings and conclusions of HMG represent our professional opinions extrapolated from limited data. 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 is 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.*

## IV. LABORATORY RESULTS



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

## Environmental Chemistry Analysis Report

Quantem Set ID: 226743  
Date Received: 09/13/13  
Received By: Sherrie Leftwich  
Date Sampled:  
Time Sampled:  
Analyst: CC  
Date of Report: 9/18/2013

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

Acct. No.: B929  
Project: DNS  
Location: Milwaukee, WI  
Project No.: 13-2000-068.1554

AIHA ID: 101352

Quantem ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	1554 L1	Paint	Lead	0.0849	0.00485	%	09/17/13 15:30	P EPA 7000B (1)
002	1554 L2	Paint	Lead	<0.00464	0.00464	%	09/17/13 15:30	P EPA 7000B (1)
003	1554 L3	Paint	Lead	0.0358	0.00434	%	09/17/13 15:30	P EPA 7000B (1)
004	1554 L4	Paint	Lead	0.0572	0.00499	%	09/17/13 15:30	P EPA 7000B (1)
005	1554 L5	Paint	Lead	<0.00472	0.00472	%	09/17/13 15:30	P EPA 7000B (1)
006	1554 L6	Paint	Lead	<0.00476	0.00476	%	09/17/13 15:30	P EPA 7000B (1)

Authorized Signature: \_\_\_\_\_

Jeff Mlekush, Laboratory Manager

Note: Sample results have not been corrected for blank values.

This report applies only to the standards or procedures indicated and to the specific samples tested. It is not indicative of the qualities of apparently identical or similar products or procedures, nor does it represent an ongoing assurance program unless so noted. These reports are for the exclusive use of the client and are not to be reproduced without specific written permission. Quantem is not responsible for user-supplied data used in calculations.

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

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

EPA Method 7000B (1) = EPA 600/R-93/200 Preparation Modified. EPA 7000B Analysis Modified

EPA Method 7082 (2) = EPA 600/R-93/200 Preparation Modified. EPA 7082 Analysis Modified



www.QuanTEM.com

# LEAD 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**

Lab No. 226743  
 Accept  Reject

Project Results (See Lab No.)  
 QuantEM Website  
 Other email

Project Information  
 Project Name: DNS  
 Project Location: Milwaukee, WI  
 Project ID: 13-2000-068.1554

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

Sampled By: \_\_\_\_\_ Name: \_\_\_\_\_ Date: \_\_\_\_\_

RELINQUISHED BY: [Signature] DATE & TIME: 9/12/13 1800 VIA: FedEx RECEIVED BY: [Signature] DATE & TIME: 9/13/13 9:30

**PROCESSED SERVICES (Please Check)**

No.	Sample ID (10-Characters Max)	Sample Description	Volume (Liters)	Volume/ (Length x Width x Height)	Pb	PPM	Wt %	mg / l	µg / ft <sup>2</sup>	µg / m <sup>2</sup>	mg / cm <sup>2</sup>
1	1554 L1				✓		✓				
2	1554 L2				✓		✓				
3	1554 L3				✓		✓				
4	1554 L4				✓		✓				
5	1554 L5				✓		✓				
6	1554 L6				✓		✓				
7											
8											
9											
10											
11											
12											

A	Soil
B	Paint Chips
C	Surface / Dust Wipes
D	Bulk Miscellaneous
E	Air Cassette

TURNAROUND TIME

Same Day	
24 - Hour	
3 - Day	✓
5 - Day	



**LEAD BASED PAINT  
INSPECTION REPORT**

**Job Site:**

**Office Building  
2411 West Capitol Drive  
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.: 14-200-042.2411L  
Contract No.: 360-14-0745**

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

**Dean Jacobsen**  
Lead Risk Assessor # LRA 14370

**Prepared by:**

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

**July 2014**

**TABLE OF CONTENTS**

I. Introduction ..... 2

---

II. Component Testing ..... 2  
    A. Summary  
    B. Tests Results of Components  
    C. Summary of OSHA Lead Based Paint Regulations  
    D. Summary of Wisconsin Department of Natural Resources Information

III. Limitations ..... 4

IV. Laboratory Results ..... 5

## I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct a preliminary survey for possible Lead Based Paint on the concrete and masonry surfaces at the following location: **2411 West Capitol Drive, Milwaukee, Wisconsin, office building**. Demolition is planned for the building. Enclosed you will find a summary of the paint testing at the above referenced location. All other areas/materials were excluded from this scope of work.

A lead based paint inspection and sampling are recommended for building materials that may contain surfaces painted before 1978. The inspection determines if lead based paint is present in the building, the location(s) of lead containing surfaces, and the amount of lead in the paint. If the surfaces will be disturbed or demolished, workers can then prepare proper safety measures to reduce exposure to lead containing dust.

The testing took place on June 30, 2014. Samples of paint were collected from masonry surfaces (block, brick) representing all observed paint colors. Samples were analyzed at Quantem Laboratories of Oklahoma City, Oklahoma, for total lead content using USEPA Method 7000B (Reference Section II for results).

The Wisconsin Administrative Code (DHS 163) defines lead-based paint as having a surface concentration of lead that is more than 0.06% of lead per weight of a paint chip sample.

**The results of the analysis was classified as follows:**

**Positive:** Any result above the HFS 163 Standard of 0.06% lead.

**Negative:** Any result at or below the HFS 163 Standard of 0.06% lead.

## II. COMPONENT TESTING

### A. Summary

In an effort to develop a painting history of the building, masonry was tested for the presence of lead based paint.

#### **Exterior: 2411 West Capitol Drive**

- **Painted block was observed on the exterior walls. Lead was not detected above 0.06%.**

#### **Interior: 2411 West Capitol Drive**

**Painted block walls were observed in the stairs. Lead was detected above 0.06%.**

Reference Test Results of Components below.

## B. Test Results of Components:

Site: 2411 West Capitol Drive, Milwaukee, Wisconsin

Date: 7/1/14

Paint Testing Results						
Sample	Location	Component & Feature	Substrate	Color	PbC (%)	Result
1L	Exterior	West Wall	Block	Gray	<0.0049	Negative
2L	Exterior	East Wall	Block	White	<0.0049	Negative
3L	Interior	1 <sup>st</sup> Floor Stair Wall	Block	White	<0.0049	Negative
4L	Interior	Basement Stair Wall	Block	Gray	0.0703	Positive

**The inspection did find Lead-Based Paint on the building: the gray paint on the basement stair concrete block is lead based.**

If there are any further concerns over what to do with certain components, we can do additional testing, and/or review records for historical precedents for removal, disposal and cleanup.

Any other paint found in the building that is disturbed should be handled as lead based paint.

Lead-Based Paint components were in fair condition at the time of this inspection.

The testing of components in the structure fulfilled the need for OSHA notification of workers.

## C. Summary of OSHA Lead Based Paint Regulations

The OSHA regulation for Lead Exposure in Construction is 29 CFR 1926.62. The law states that in the presence of any measurable amount of Lead a contractor is obligated to take some actions to ensure the safety of its work-force and that of the owner.

Workers demolishing building materials containing lead based paint must be monitored for lead exposure. Monitoring for lead exposure is covered under U.S. Department of Labor Occupational Safety and Health Administration 29 CFR 1926.62 for the construction industry, which includes:

- Demolition or salvage of structures where lead or materials containing lead are present.
- Removal or encapsulation of materials containing lead.
- New construction, alteration, repair, or renovation of structures, substrates, or portions thereof, that contain lead, or materials containing lead.

The employer is required to initially determine if any employee may be exposed to lead at or above the action level. **The action level means employee exposure, without regard to the use of respirators, to an airborne lead concentration of 30  $\mu\text{g}/\text{m}^3$  of air calculated as an 8 hour time weighted average.** The employer must collect personal samples representative of a full shift for each job classification in each work area. The samples must be representative of the monitored employee's regular daily exposure to lead. **OSHA has also set a permissible exposure limit (PEL) which is defined as a lead concentration of 50  $\mu\text{g}/\text{m}^3$  of air averaged over an eight hour period.** If the initial exposure assessment has not been completed, the employer must treat the

employee as if the employee were exposed above the PEL, and not in excess of ten times the PEL, for tasks including demolition of structures with lead containing coatings or paint. This includes respiratory protection, personal protective clothing and equipment, change areas, hand washing facilities, biological monitoring, and training.

If all concentrations are below the action level, additional air monitoring is not needed except when there has been a change in equipment, process, control, personnel, or type of task that may result in additional employees being exposed to lead at or above the action level. If exposure is between the action level and PEL, air monitoring must be done at least every six months until two consecutive readings taken at least seven days apart are below the action level. If exposure is above the PEL, air monitoring must be done quarterly until two consecutive readings taken at least seven days apart are below the PEL. Employees must be notified in writing of the results within 5 working days after completion of the air exposure assessment.

#### **D. Summary of Wisconsin Department of Natural Resources Information**

According to Wisconsin Department of Natural Resources Planning Your Demolition or Renovation Project (WA-651), building materials from remodeling or demolition debris that contain lead based paint are considered a waste, unless an exemption is obtained from the Department. Check with the Department for further guidance. Lead based paint chips or paint residue by themselves may be a hazardous waste. Additional testing by the toxicity characteristic leaching procedure (TCLP) method and comparison to hazardous waste regulations would be needed to determine this.

### **III. LIMITATIONS**

A limited inspection was conducted. The results are representative only of the specific painted locations that were sampled on the building. This inspection should not be used for purposes of determining where lead safe renovation or abatement procedures are required except where samples were collected. This report represents the condition of the building and the visible/accessible locations sampled at the date and the time of the onsite inspection.

The care and skill given to our procedures insures the most reliable test results possible. The findings and conclusions of HMG represent our professional opinions extrapolated from limited data. 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 is 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.*

## IV. LABORATORY RESULTS



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

## Environmental Chemistry Analysis Report

Quantem Set ID: 237575  
Date Received: 07/03/14  
Received By: Sherrie Leftwich  
Date Sampled:  
Time Sampled:  
Analyst: BM  
Date of Report: 7/8/2014

Client: Harenda Management Group  
Jolene Harenda  
1237 West Bruce St.  
Milwaukee, WI 53204  
Acct. No.: B929  
Project: DNS  
Location: Milwaukee, WI  
Project No.: 14-200-042.2411

AIHA ID: 101352

Quantem ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	01L	Paint	Lead	<0.00494	0.00494	%	07/08/14 13:15	P EPA 7000B (1)
002	02L	Paint	Lead	<0.00498	0.00498	%	07/08/14 13:15	P EPA 7000B (1)
003	03L	Paint	Lead	<0.00497	0.00497	%	07/08/14 13:15	P EPA 7000B (1)
004	04L	Paint	Lead	0.0703	0.005	%	07/08/14 13:15	P EPA 7000B (1)

Authorized Signature: \_\_\_\_\_

Benton Miller, Analyst

Note: Sample results have not been corrected for blank values.

This report applies only to the standards or procedures indicated and to the specific samples tested. It is not indicative of the qualities of apparently identical or similar products or procedures, nor does it represent an ongoing assurance program unless so noted. These reports are for the exclusive use of the client and are not to be reproduced without specific written permission. Quantem is not responsible for user-supplied data used in calculations.

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

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

EPA Method 7000B (1) = EPA 600/R-93/200 Preparation Modified. EPA 7000B Analysis Modified

EPA Method 7082 (2) = EPA 600/R-93/200 Preparation Modified. EPA 7082 Analysis Modified



# LEAD 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

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"/> <b>QuantEM Website</b>
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 14-200-042.2411	Other_email _____

Sampled By: <i>[Signature]</i>	Name:	Date:
RELINQUISHED BY: <i>[Signature]</i>	DATE & TIME: 7/2/14 1800	VIA: FedEx
	RECEIVED BY: <i>[Signature]</i>	DATE & TIME: 7/3/14 10:00

### REQUESTED SERVICES (Please the Appropriate Boxes)

No.	Sample ID (10 Characters Max)	Sample Description	Volume (Liters)	Volume Area (Length x Width)	Sample Matrix (see matrix code box)	Units ( <input checked="" type="checkbox"/> ONE box only )					Sample Matrix Codes	
						PPM	Wt %	mg / l	Hg /ft <sup>2</sup>	Hg / m <sup>3</sup>		mg / cm <sup>2</sup>
1	01L				Pb		X				A	Soil
2	02L										B	Paint Chips
3	03L										C	Surface / Dust Wipes
4	04L										D	Bulk Miscellaneous
5											E	Air Cassette
6												
7												
8												
9												
10												
11											X	3 - Day
12												5 - Day

TURNAROUND TIME	
Same Day	
24 - Hour	
3 - Day	X
5 - Day	



**LEAD BASED PAINT  
INSPECTION REPORT**

**Job Site:**

**Commercial Garage  
5320 West Hampton Avenue  
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.: 14-200-042.5320L  
Contract No.: 360-14-0745**

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

Dean Jacobsen  
Lead Risk Assessor # LRA 14370

**Prepared by:**

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

**June 2014**

**TABLE OF CONTENTS**

I. Introduction ..... 2

---

II. Component Testing ..... 2

- A. Summary
- B. Tests Results of Components
- C. Summary of OSHA Lead Based Paint Regulations
- D. Summary of Wisconsin Department of Natural Resources Information

III. Limitations ..... 4

IV. Laboratory Results ..... 5

## I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct a preliminary survey for possible Lead Based Paint on the concrete and masonry surfaces at the following location: **5320 West Hampton Avenue, Milwaukee, Wisconsin, commercial garage**. Demolition is planned for the building. Enclosed you will find a summary of the paint testing at the above referenced location. All other areas/materials were excluded from this scope of work.

A lead based paint inspection and sampling are recommended for building materials that may contain surfaces painted before 1978. The inspection determines if lead based paint is present in the building, the location(s) of lead containing surfaces, and the amount of lead in the paint. If the surfaces will be disturbed or demolished, workers can then prepare proper safety measures to reduce exposure to lead containing dust.

The testing took place on May 29, 2014. Samples of paint were collected from masonry surfaces (block, brick) representing all observed paint colors. Samples were analyzed at Quantem Laboratories of Oklahoma City, Oklahoma, for total lead content using USEPA Method 7000B (Reference Section II for results).

The Wisconsin Administrative Code (DHS 163) defines lead-based paint as having a surface concentration of lead that is more than 0.7 milligrams of lead per square centimeter of surface (0.7 mg/cm<sup>2</sup>) or more than 0.06% of lead per weight of a paint chip sample.

**The results of the analysis was classified as follows:**

**Positive:** Any result above the HFS 163 Standard of 0.06% lead.

**Negative:** Any result at or below the HFS 163 Standard of 0.06% lead.

## II. COMPONENT TESTING

### A. Summary

In an effort to develop a painting history of the building, masonry was tested for the presence of lead based paint.

#### **Exterior: 5320 West Hampton Avenue**

- **Painted brick was observed on the exterior walls. Lead was not detected above 0.06%.**

#### **Interior: 5320 West Hampton Avenue**

**Painted block walls were observed in the basement. Lead was not detected above 0.06%.**

Reference Test Results of Components below.

## B. Test Results of Components:

Site: 5320 West Hampton Avenue, Milwaukee, Wisconsin

Date: 5/29/14

Paint Testing Results						
Sample	Location	Component & Feature	Substrate	Color	PbC (%)	Result
1L	Interior	Wall	Block	White	0.019	Negative
2L	Exterior	Wall	Brick	White	<0.0047	Negative
3L	Exterior	Wall	Block	White	0.0158	Negative

### The inspection did not find Lead-Based Paint on the building:

If there are any further concerns over what to do with certain components, we can do additional testing, and/or review records for historical precedents for removal, disposal and cleanup.

Any other paint found in the building that is disturbed should be handled as lead based paint.

Lead-Based Paint components were in good to poor condition at the time of this inspection.

The testing of components in the structure fulfilled the need for OSHA notification of workers.

## C. Summary of OSHA Lead Based Paint Regulations

The OSHA regulation for Lead Exposure in Construction is 29 CFR 1926.62. The law states that in the presence of any measurable amount of Lead a contractor is obligated to take some actions to ensure the safety of its work-force and that of the owner.

Workers demolishing building materials containing lead based paint must be monitored for lead exposure. Monitoring for lead exposure is covered under U.S. Department of Labor Occupational Safety and Health Administration 29 CFR 1926.62 for the construction industry, which includes:

- Demolition or salvage of structures where lead or materials containing lead are present.
- Removal or encapsulation of materials containing lead.
- New construction, alteration, repair, or renovation of structures, substrates, or portions thereof, that contain lead, or materials containing lead.

The employer is required to initially determine if any employee may be exposed to lead at or above the action level. **The action level means employee exposure, without regard to the use of respirators, to an airborne lead concentration of 30 µg/m<sup>3</sup> of air calculated as an 8 hour time weighted average.** The employer must collect personal samples representative of a full shift for each job classification in each work area. The samples must be representative of the monitored employee's regular daily exposure to lead. **OSHA has also set a permissible exposure limit (PEL) which is defined as a lead concentration of 50 µg/m<sup>3</sup> of air averaged over an eight hour period.** If the initial exposure assessment has not been completed, the employer must treat the employee as if the employee were exposed above the PEL, and not in excess of ten times the PEL, for tasks including demolition of structures with lead containing coatings or paint. This includes respiratory protection, personal protective clothing and equipment, change areas, hand washing

facilities, biological monitoring, and training.

If all concentrations are below the action level, additional air monitoring is not needed except when there has been a change in equipment, process, control, personnel, or type of task that may result in additional employees being exposed to lead at or above the action level. If exposure is between the action level and PEL, air monitoring must be done at least every six months until two consecutive readings taken at least seven days apart are below the action level. If exposure is above the PEL, air monitoring must be done quarterly until two consecutive readings taken at least seven days apart are below the PEL. Employees must be notified in writing of the results within 5 working days after completion of the air exposure assessment.

#### **D. Summary of Wisconsin Department of Natural Resources Information**

According to Wisconsin Department of Natural Resources Planning Your Demolition or Renovation Project (WA-651), building materials from remodeling or demolition debris that contain lead based paint are considered a waste, unless an exemption is obtained from the Department. Check with the Department for further guidance. Lead based paint chips or paint residue by themselves may be a hazardous waste. Additional testing by the toxicity characteristic leaching procedure (TCLP) method and comparison to hazardous waste regulations would be needed to determine this.

### **III. LIMITATIONS**

The care and skill given to our procedures insures the most reliable test results possible. The findings and conclusions of HMG represent our professional opinions extrapolated from limited data. 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 is 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.*

## IV. LABORATORY RESULTS



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

## Environmental Chemistry Analysis Report

QuantEM Set ID: 236061  
Date Received: 05/30/14  
Received By: Sherrie Leftwich  
Date Sampled:  
Time Sampled:  
Analyst: BM  
Date of Report: 6/3/2014

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

Acct. No.: B929

Project: DNS

Location: Milwaukee, WI

Project No.: 14-200-042.5320

AIHA ID: 101352

QuantEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	1L	Paint	Lead	0.0190	0.00493	%	06/03/14 12:45	P EPA 7000B (1)
002	2L	Paint	Lead	<0.00473	0.00473	%	06/03/14 12:45	P EPA 7000B (1)
003	3L	Paint	Lead	0.0158	0.00479	%	06/03/14 12:45	P EPA 7000B (1)

Authorized Signature: \_\_\_\_\_

Benton Miller, Analyst

Note: Sample results have not been corrected for blank values.

This report applies only to the standards or procedures indicated and to the specific samples tested. It is not indicative of the qualities of apparently identical or similar products or procedures, nor does it represent an ongoing assurance program unless so noted. These reports are for the exclusive use of the client and are not to be reproduced without specific written permission. QuantEM is not responsible for user-supplied data used in calculations.

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

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

EPA Method 7000B (1) = EPA 600/R-93/200 Preparation Modified. EPA 7000B Analysis Modified

EPA Method 7082 (2) = EPA 600/R-93/200 Preparation Modified. EPA 7082 Analysis Modified



# LEAD 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. 23606

Accept  Reject

Report Results (  one box )

**Quantem Website**

Other\_email \_\_\_\_\_

Project Information

Project Name: **DNS**

Project Location: **Milwaukee, WI**

Project ID: **14-200-042-5320**

Contact Information

Company: **Harendra Management Group**

Contact: **Dean Jacobsen**

Account #: **B929**

Phone: **(414) 383-4800**

Cell Phone: \_\_\_\_\_

E-mail: **djacobsen@harendra.com**

Date: \_\_\_\_\_

Sampled By: \_\_\_\_\_

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	5/29/14 1800	FedEx	<i>[Signature]</i>	5/30/14 9:45

### REQUESTED SERVICES (Please the Appropriate Boxes)

No.	Sample ID (10 Characters Max)	Sample Description	Volume (Liters)	Volume Area (Length x Width)	Sample Matrix (see matrix code box)	Analysis					Units ( <input checked="" type="checkbox"/> ONE box only )					Sample Matrix Codes		
						Pb												
1	1L				B →											A	Soil	
2	2L				X →												B	Paint Chips
3	3L																C	Surface / Dust Wipes
4																	D	Bulk Miscellaneous
5																	E	Air Cassette
6																		
7																		
8																		
9																		
10																		
11																		
12																		

TURNAROUND TIME

Same Day \_\_\_\_\_

24 - Hour \_\_\_\_\_

3 - Day

5 - Day