



**ASBESTOS INSPECTION REPORT**

**Job Site:**

**Two Family Dwelling  
1518-20 North 33<sup>rd</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.: 16-400-014.1518-20  
Contract No.: 360-16-0745**

Dean Jacobsen  
Asbestos Inspector No. AII – 14370

Prepared by:

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

**August 2016**

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## I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for suspect asbestos containing materials in the dwelling at 1518-20 North 33<sup>rd</sup> Street, Milwaukee, Wisconsin.

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

## II. BUILDING SURVEY

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

**On July 22, 2016, HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 1518-20 North 33<sup>rd</sup> Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14730.**

The inspection was comprised of three elements:

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

The results of the inspection integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples collected 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. Bold values below indicate that the material contains more than 1% asbestos. 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, paper insulation, fiberboard, tar paper, linoleum, duct paper, ceiling tile, drywall/joint compound, window glazing compound, blown in insulation, flue packing, asphalt roofing, floor tile, and mastics. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1	Exterior – south wall under wood siding – paper insulation	Negative	MPI
2	Exterior – east wall under wood siding – paper insulation	Negative	MPI
3	Exterior – north wall under wood siding – paper insulation	Negative	MPI
4	Exterior – east wall under vinyl siding – fiberboard	Negative	MFB
5a	1 <sup>st</sup> floor – dining room – west side – carpet	Negative	MCM
5b	1 <sup>st</sup> floor – dining room – west side – under carpet – brown mastic	Negative	MCM
6	1 <sup>st</sup> floor – dining room – east side – under carpet – brown mastic	Negative	MCM
7a	1 <sup>st</sup> floor – living room – carpet	Negative	MCM
7b	1 <sup>st</sup> floor – living room – under carpet – brown mastic	Negative	MCM
8a	1 <sup>st</sup> floor – living room – west wall – plaster skim coat	Negative	SPI
8b	1 <sup>st</sup> floor – living room – west wall – plaster base coat	Negative	SPI
9a	1 <sup>st</sup> floor – west bedroom – north wall – plaster skim coat	Negative	SPI
9b	1 <sup>st</sup> floor – west bedroom – north wall – plaster base coat	Negative	SPI
10a	1 <sup>st</sup> floor – kitchen – south wall – plaster skim coat	Negative	SPI
10b	1 <sup>st</sup> floor – kitchen – south wall – plaster base coat	Negative	SPI
11a	1 <sup>st</sup> floor – rear stair – south wall – plaster skim coat	Negative	SPI
11b	1 <sup>st</sup> floor – rear stair – south wall – plaster base coat	Negative	SPI
12a	2 <sup>nd</sup> floor – pantry – east wall – plaster skim coat	Negative	SPI
12b	2 <sup>nd</sup> floor – pantry – east wall – plaster base coat	Negative	SPI
13a	2 <sup>nd</sup> floor – dining room – west wall – plaster skim coat	Negative	SPI
13b	2 <sup>nd</sup> floor – dining room – west wall – plaster base coat	Negative	SPI
14a	2 <sup>nd</sup> floor – front stair – north wall – plaster skim coat	Negative	SPI
14b	2 <sup>nd</sup> floor – front stair – north wall – plaster base coat	Negative	SPI
15a	1 <sup>st</sup> floor – hall – under 3 layers floor tile – tar paper	Negative	MPT
<b>15b</b>	<b>1<sup>st</sup> floor – hall – on tar paper – black mastic</b>	<b>Positive 5% Chrysotile</b>	<b>MPT</b>
16a	1 <sup>st</sup> floor – kitchen – under 3 layers floor tile – tar paper	Negative	MPT
<b>16b</b>	<b>1<sup>st</sup> floor – kitchen – on tar paper – black mastic</b>	<b>Positive 5% Chrysotile</b>	<b>MPT</b>
17a	2 <sup>nd</sup> floor – kitchen – under 2 layers floor tile – tar paper	Negative	MPT

Sample #	Location and Description	Results	Homogeneous Code
17b	2 <sup>nd</sup> floor – kitchen – on tar paper – black mastic	Positive 5% Chrysotile	MPT
18a	1 <sup>st</sup> floor – bathroom – under 2 layers floor tile – tan linoleum	Negative	MFLt
18b	1 <sup>st</sup> floor – bathroom – under tan linoleum – yellow mastic	Negative	MFLt
19	1 <sup>st</sup> floor – bathroom – on wall under tub surround – brown mastic	Negative	MWMn
20	1 <sup>st</sup> floor – bathroom – on east wall duct – duct paper	Positive 60% Chrysotile	TDW
20A	Basement – on east boot – duct paper	Positive 60% Chrysotile	TDW
20B	Basement – on west return – duct paper	Positive 60% Chrysotile	TDW
21	1 <sup>st</sup> floor – bathroom – 2' x 2' ceiling tile	Negative	MSCT22
22	1 <sup>st</sup> floor – bathroom – on ceiling under plastic tile – yellow mastic	Negative	MWMI
23a	1 <sup>st</sup> floor – kitchen – east wall – joint compound	Negative	MDW
23b	1 <sup>st</sup> floor – kitchen – east wall – drywall	Negative	MDW
24	1 <sup>st</sup> floor – kitchen – west wall – drywall	Negative	MDW
25	1 <sup>st</sup> floor – kitchen – south wall – drywall	Negative	MDW
26	1 <sup>st</sup> floor – kitchen – on south window – glazing compound	Negative	MPG
27	2 <sup>nd</sup> floor – east bedroom – on north window – glazing compound	Positive 4% Chrysotile	MPG
28	Attic – on south window – glazing compound	Trace <1% Chrysotile	MPG
29	2 <sup>nd</sup> floor – bathroom – under 2 layers floor tile – red and tan linoleum	Positive 20% Chrysotile	MFLrt
30	2 <sup>nd</sup> floor – bathroom – on tub frame – tan mastic	Negative	MWMt
31	2 <sup>nd</sup> floor – bathroom – under tub surround – gold mastic	Negative	MWMd
32	2 <sup>nd</sup> floor – dining room – under 2 carpet – yellow mastic	Negative	MCM2
33	2 <sup>nd</sup> floor – living room – under 2 carpet – yellow mastic	Negative	MCM2
34	2 <sup>nd</sup> floor – northwest room – under 2 carpet – yellow mastic	Negative	MCM2
35	Attic – east side under floor – blown in insulation	Negative	MBI
36	Attic – center under floor – blown in insulation	Negative	MBI
37	Attic – west side under floor – blown in insulation	Negative	MBI
38a	Basement – on chimney – flue packing bottom layer	Positive 4% Chrysotile	TFP
38b	Basement – on chimney – flue packing top layer	Negative	TFP

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

Material	Homogeneous Code	Location	Approximate Quantity
Black Mastic on Tar Paper	MPT	1 <sup>st</sup> Floor Hall & Kitchen Under 3 Layers Floor Tile, 2 <sup>nd</sup> Floor Hall Under Carpet & Floor Tile, 2 <sup>nd</sup> Floor Kitchen Under 2 Layers Floor Tile	430 Sq. Ft.
Duct Paper	TDW	1 <sup>st</sup> Floor Bathroom, Basement on Boots & Return Seams	45 Sq. Ft.
Window Glazing Compound	MPG	All Floors	31 Windows

Material	Homogeneous Code	Location	Approximate Quantity
Red & Tan Linoleum	MFLrt	2 <sup>nd</sup> Floor bathroom Under 2 Layers Floor Tile	30 Sq. Ft.
Flue Packing	TFP	Basement on Chimney	2 Sq. Ft.

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

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,200 Sq. Ft.
1 <sup>st</sup>	Hall/Bathroom/Pantry/Kitchen	Floor Tile & Mastic	700 Sq. Ft.
2 <sup>nd</sup>	Hall/Bathroom/Pantry/Kitchen	Floor Tile & Mastic	500 Sq. Ft.

**Homogeneous Material Codes**

SPI	Plaster
MPI	Paper Insulation
MFB	Fiberboard
MCM	Carpet Mastic
MCM2	Carpet Mastic #2
MPT	Tar Paper
MFLt	Tan Linoleum
MFLrt	Red & Tan Linoleum
MWMn	Brown Wall Mastic
MWMI	Yellow Wall Mastic
MWMt	Tan Wall Mastic
MWMd	Gold Wall Mastic
MSCT22	2' x 2' Ceiling Tile
MDW	Drywall/Joint Compound
MPG	Glazing Compound
MCLK1	Yellow Caulk
MBI	Blown in Insulation
TFP	Flue Packing
TDW	Duct Paper

**Note#1:** The duct paper, red and tan linoleum, and flue packing are friable materials and must be abated by a Wisconsin certified asbestos company prior to demolition.

The window glazing compound is a category II non-friable material and it is likely that this material will become crumbled, pulverized or reduced to powder during demolition. Abatement of the glazing compound is recommended.

The black mastic on the tar paper is a category II non-friable material. It is not likely that this material will become crumbled, pulverized or reduced to powder during demolition. Abatement of the black mastic on tar paper is not recommended.

Asphalt roofing and floor tile/mastic on wood are category I non friable materials and may remain on the building if the demolition debris will be disposed at a Wisconsin licensed landfill.

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

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

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

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

## V. EXCLUSIONS

**Roof visible only from ground. Areas within walls and ceilings were not accessible. No visible or accessible areas were excluded from the scope of work.**

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

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

## VI. LIMITATIONS

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

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

## VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST



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

## **ASBESTOS**

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

## **CFCs and HALONS**

Equipment that may contain CFCs and Halons:

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

## **LEAD**

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

## MERCURY

Products that may contain mercury:

### LIGHTING

<u>1</u>	Fluorescent Lights – 1 <sup>st</sup> Floor Dining Room
<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 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>N/A</u>	Ballasts
<u>N/A</u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u>N/A</u>	Sumps or Oil Traps (in maintenance and industrial facilities)

## OTHER ENVIRONMENTAL ISSUES

<u>N/A</u>	Hazardous Waste
<u>N/A</u>	Oil Tanks
<u>N/A</u>	Well Abandonment
<u>2</u>	Junk Auto Tires – Back Yard
<u>1</u>	Junk Vehicles – 1 Car Back Yard

## VIII. LABORATORY RESULTS



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

### Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 267129	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/25/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 07/28/2016	Project: DNS
Analyzed By: Dee Ammerman	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1518-20

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Tan Tar Paper	Asbestos Not Present	Cellulose 80	Tar
002	2	Homogeneous	Tan Tar Paper	Asbestos Not Present	Cellulose 80	Tar
003	3	Homogeneous	Tan Tar Paper	Asbestos Not Present	Cellulose 80	Tar
004	4	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 100	
005	5	Layered	Tan Flooring	Asbestos Not Present	Synthetic 40	CaCO3 Binder
005a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue CaCO3
006	6	Homogeneous	Yellow 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.



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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007	7	Layered	Tan Flooring	Asbestos Not Present	Synthetic 30	CaCO3 Binder
007a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue CaCO3
008	8	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Sand
008a		Layered	Gray Plaster	Asbestos Not Present	Hair 2	CaCO3 Sand Gypsum
009	9	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Sand
009a		Layered	Gray Plaster	Asbestos Not Present	Hair 2	CaCO3 Sand Gypsum

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010	10	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Sand
010a		Layered	Gray Plaster	Asbestos Not Present	Hair	2 CaCO3 Sand Gypsum
011	11	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Sand
011a		Layered	Gray Plaster	Asbestos Not Present	Hair	2 CaCO3 Sand Gypsum
012	12	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Sand
012a		Layered	Gray Plaster	Asbestos Not Present	Hair	2 CaCO3 Sand Gypsum

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013	13	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Sand
013a		Layered	Gray Plaster	Asbestos Not Present	Hair	2 CaCO3 Sand Gypsum
014	14	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Sand
014a		Layered	Gray Plaster	Asbestos Not Present	Hair	2 CaCO3 Sand Gypsum
015	15	Layered	Black Tar Paper	Asbestos Not Present	Cellulose	70 Tar
015a		Layered	Black Tar	Asbestos Present Chrysotile	5	NA Tar
016	16	Layered	Black Tar Paper	Asbestos Not Present	Cellulose	70 Tar

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016a		Layered	Black Tar	Asbestos Present Chrysotile 5	NA	Tar
017	17	Layered	Black Tar Paper	Asbestos Not Present	Cellulose 70	Tar
017a		Layered	Black Tar	Asbestos Present Chrysotile 5	NA	Tar
018	18	Layered	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 20 Synthetic 5	CaCO3 Vinyl
018a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
019	19	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020	20	Homogeneous	Tan Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
021	20A	Homogeneous	Tan Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
022	20B	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
023	21	Homogeneous	Tan Ceiling Tile	Asbestos Not Present	Cellulose 50 Glass Fiber 30	Perlite Paint
024	22	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum Paint
025	23	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
025a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum

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Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 07/28/2016	Project: DNS
Analyzed By: Dee Ammerman	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1518-20

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
026	24	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
027	25	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
028	26	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3 Binder
029	27	Homogeneous	Gray Window Glazing	Asbestos Present Chrysotile 4	NA	CaCO3
030	28	Homogeneous	Gray Window Glazing	Asbestos Present Chrysotile <1	NA	CaCO3 Binder
031	29	Homogeneous	Yellow Sheet Vinyl	Asbestos Present Chrysotile 20	Cellulose 10	CaCO3 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 DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 267129	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/25/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 07/28/2016	Project: DNS
Analyzed By: Dee Ammerman	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1518-20

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
032	30	Homogeneous	Tan Caulk	Asbestos Not Present	NA	CaCO3 Binder
033	31	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
034	32	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
035	33	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
036	34	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
037	35	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
038	36	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	

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

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### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 267129	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/25/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 07/28/2016	Project: DNS
Analyzed By: Dee Ammerman	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1518-20

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
039	37	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
040	38	Layered	Tan Caulk	Asbestos Present Chrysotile 4	Talc 4	CaCO3 Binder
040a		Layered	Gray Concrete	Asbestos Not Present	NA	CaCO3 Sand

*Dee Ammerman*

Dee Ammerman, Analyst

7/28/2016

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. <u>26719</u>	<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject

Contact Information		Project Information		Report Results ( <input checked="" type="checkbox"/> one box)	
Company: <b>Harenda Management Group</b>	Phone: <b>(414) 383-4800</b>	Project Name: <b>DNS</b>		<input checked="" type="checkbox"/> <b>QuanTEM Website</b>	
Contact: <b>Dean Jacobsen</b>	Cell Phone:	Project Location: <b>Milwaukee, WI</b>		<input type="checkbox"/> <b>Other email</b> _____	
Account #: <b>B929</b>	E-mail: <b>djacobsen@harenda.com</b>	Project ID: <b>16-400-014.1518-20</b>			
SAMPLED BY: Name:	Date:	P.O. Number:			

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	<u>7/22/16 1700</u>	<u>FedEx</u>	<i>[Signature]</i>	<u>7/25/16 10:25</u>

### REQUESTED SERVICES (Please the Appropriate Boxes)

PLM	PLM	TEM	TEM	TURNAROUND TIME
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Same Day
<input type="checkbox"/> 1000 Point Count		<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> 24 - Hour
<input type="checkbox"/> Gravimetric Preparation	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)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	<u>1</u>	<input checked="" type="checkbox"/>				
2	<u>2</u>	<input type="checkbox"/>				
3	<u>3</u>	<input type="checkbox"/>				
4	<u>4</u>	<input type="checkbox"/>				
5	<u>5</u>	<input type="checkbox"/>				
6	<u>6</u>	<input type="checkbox"/>				
7	<u>7</u>	<input type="checkbox"/>				
8	<u>8</u>	<input type="checkbox"/>				
9	<u>9</u>	<input type="checkbox"/>				
10	<u>10</u>	<input checked="" type="checkbox"/>				





# ASBESTOS CHAIN OF CUSTODY

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

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

For Lab Use Only	
Lab No. <u>2007109</u>	
<input checked="" type="radio"/> Accept	<input type="radio"/> Reject

Project Information		
Company: <b>Harenda Management Group</b>	Project Name: <b>DNS</b>	Project Location: <b>Milwaukee, WI</b>

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	20A	<input type="checkbox"/>				
22	20B	<input type="checkbox"/>				
23	21	<input type="checkbox"/>				
24	22	<input type="checkbox"/>				
25	23	<input type="checkbox"/>				
26	24	<input type="checkbox"/>				
27	25	<input type="checkbox"/>				
28	26	<input type="checkbox"/>				
29	27	<input type="checkbox"/>				
30	28	<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

For Lab Use Only	
Lab No. <u>2107129</u>	
<input checked="" type="radio"/> Accept	<input type="radio"/> Reject

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

Project Information						
Company: <b>Harenda Management Group</b>		Project Name: <b>DNS</b>		Project Location: <b>Milwaukee, WI</b>		
No.	Sample ID (10 Characters Max)	<input type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	29	<input checked="" type="checkbox"/>				
32	30	<input type="checkbox"/>				
33	31	<input type="checkbox"/>				
34	32	<input type="checkbox"/>				
35	33	<input type="checkbox"/>				
36	34	<input type="checkbox"/>				
37	35	<input type="checkbox"/>				
38	36	<input type="checkbox"/>				
39	37	<input type="checkbox"/>				
40	38	<input checked="" 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**

1237 W BRUCE ST  
MILWAUKEE WI 53204-1218

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

**Asbestos Company - Primary**

Certificate Issue Date: 07/29/2015  
Expiration Date: 08/31/2017, 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



Scott Walker  
Governor

Kitty Rhoades  
Secretary



State of Wisconsin  
Department of Health Services

DIVISION OF PUBLIC HEALTH

1 WEST WILSON STREET

P O BOX 2659  
MADISON WI 53701-2659

Telephone: 608 266-1251  
FAX: 608 267-2832  
TTY: 888-701-1253  
dhs.wisconsin.gov

November 6, 2015

DEAN T JACOBSEN  
W131S6781 KIPLING DR  
MUSKEGO WI 53150-3401

ID# AII-14370

**Congratulations**, your new card for Wisconsin asbestos or lead certification is enclosed. Please contact our office immediately if any of the information on the card is incorrect.

You must have this card with you whenever you are at a regulated asbestos or lead work site.

### Renewing Your Certification

You may not perform regulated asbestos or lead activities after the expiration date on your card.

Asbestos Disciplines: Schedule your *annual* asbestos refresher training 30-90 days before your training due date and submit your renewal application online or by mail **at least one month before your current card expires.**

Lead Disciplines: Schedule your lead refresher training up to 12 months before the training due date and submit your renewal application online or by mail **at least one month before your current card expires.**

Submit your renewal application by mail if paying by check or money order, or online at [www.dhs.wisconsin.gov/waldo](http://www.dhs.wisconsin.gov/waldo) if paying by VISA or MasterCard credit or debit card.

### Certified Company Affiliation

You must be affiliated with an appropriately certified Asbestos, Exterior Asbestos, Lead or Lead-Safe Company by ownership, employment or contract before you may perform regulated lead or asbestos work in Wisconsin. Contact the Asbestos and Lead Section for more information.


### To Update Information and Apply Online

You may make changes to your mailing address, other contact information, or your employer information by going to [www.dhs.wisconsin.gov/waldo](http://www.dhs.wisconsin.gov/waldo) and selecting Asbestos and Lead Online Certification. You may also send changes in writing to the Asbestos and Lead Section at the address below.

Asbestos and Lead Section, Room 137  
P.O. Box 2659  
Madison WI 53701-2659

Phone: (608) 261-6876  
Email: [dhasbestoslead@wi.gov](mailto:dhasbestoslead@wi.gov)  
Internet: [www.dhs.wisconsin.gov](http://www.dhs.wisconsin.gov)

**COPY**

		ASBESTOS INSPECTOR	
		Issued By	
		STATE OF WISCONSIN	
		Dept. of Health Services	
		Dean T Jacobsen	
		W131s6781 Kipling Dr	
		Muskego WI 53150-3401	
		160 lbs	5' 08"
AII-14370	Exp: 12/01/2016	12/12/1963	Male
Training due by: 12/01/2016			