



**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**

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Dean Jacobsen  
Asbestos Inspector No. AII – 14370

Prepared by:

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

**September 2013**

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## I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the 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	SP1
1-1554b	2 <sup>nd</sup> floor – rear hall – east wall – plaster base coat	Negative	N/A	SP1
2-1554a	2 <sup>nd</sup> floor – northeast bedroom – north wall – plaster skim coat	Negative	N/A	SP1
2-1554b	2 <sup>nd</sup> floor – northeast bedroom – north wall – plaster base coat	Negative	N/A	SP1
3-1554a	2 <sup>nd</sup> floor – front room – east wall – plaster skim coat	Negative	N/A	SP1
3-1554b	2 <sup>nd</sup> floor – front room – east wall – plaster base coat	Negative	N/A	SP1
4-1554a	2 <sup>nd</sup> floor – north bedroom – ceiling – plaster skim coat	Negative	N/A	SP1
4-1554b	2 <sup>nd</sup> floor – north bedroom – ceiling – plaster base coat	Negative	N/A	SP1
5-1554	1 <sup>st</sup> floor – kitchen – ceiling – plaster	Negative	N/A	SP1
6-1554a	1 <sup>st</sup> floor – bathroom – south wall – plaster skim coat	Negative	N/A	SP1
6-1554b	1 <sup>st</sup> floor – bathroom – south wall – plaster base coat	Negative	N/A	SP1
7-1554a	Basement – ceiling – plaster	Negative	N/A	SP1
8-1554	2 <sup>nd</sup> floor – hall – yellow linoleum	Negative	N/A	MFL1
9-1554	2 <sup>nd</sup> floor – kitchen – near sink – yellow linoleum	Negative	N/A	MFL1
10-1554	2 <sup>nd</sup> floor – kitchen – south side – yellow linoleum	Negative	N/A	MFL1
11-1554	2 <sup>nd</sup> floor – entry hall – gold linoleum	<b>Positive 25% Chrysotile</b>	<b>260 Sq. Ft.</b>	<b>MFLd</b>
12-1554	1 <sup>st</sup> floor - kitchen – gold linoleum	<b>Positive 25% Chrysotile</b>	<b>Reference 11-1554</b>	<b>MFLd</b>
13-1554	1 <sup>st</sup> floor – 2 <sup>nd</sup> bathroom – gold linoleum	<b>Positive 25% Chrysotile</b>	<b>Reference 11-1554</b>	<b>MFLd</b>
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	<b>Positive 8% Chrysotile</b>	<b>180 Sq. Ft.</b>	<b>MCTMr</b>
24-1554	1 <sup>st</sup> floor – north room – south under floor tile and plywood – red ceramic tile	<b>Positive 8% Chrysotile</b>	<b>Reference 23-1554</b>	<b>MCTMr</b>
25-1554	1 <sup>st</sup> floor – north room – south center under floor tile and plywood – red ceramic tile	<b>Positive 8% Chrysotile</b>	<b>Reference 23-1554</b>	<b>MCTMr</b>
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	<b>Positive 15% Chrysotile</b>	<b>3 Sq. Ft.</b>	<b>TFP</b>
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	<b>Positive 90% Chrysotile</b>	<b>30 Ln. Ft.</b>	<b>TA5</b>
38-1554	Basement – near stair - <5” diameter aircell pipe insulation	<b>Positive 90% Chrysotile</b>	<b>Reference 37-1554</b>	<b>TA5</b>
39-1554	Basement – center - <5” diameter aircell pipe insulation	<b>Positive 90% Chrysotile</b>	<b>Reference 37-1554</b>	<b>TA5</b>
40-1554	Basement – north – magnesia fittings	<b>Positive 25% Chrysotile</b>	<b>30 Fittings</b>	<b>TM</b>
41-1554	Basement – center – magnesia fittings	<b>Positive 25% Chrysotile</b>	<b>Reference 40-1554</b>	<b>TM</b>
42-1554	Basement – east – magnesia fittings	<b>Positive 25% Chrysotile</b>	<b>Reference 40-1554</b>	<b>TM</b>
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.....\$3,100.00

**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, Chillers</b> – 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.



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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

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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

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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

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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.

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### 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.

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### 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.

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### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 226487	Client: Harena Management Group
Account Number: B929	Jolene Harena
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.

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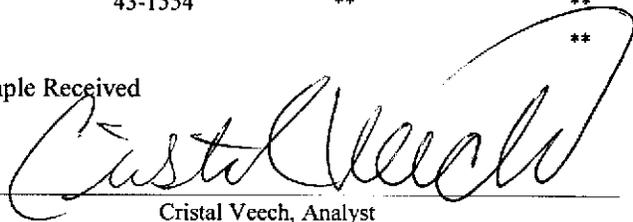
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### Polarized Light Microscopy Asbestos Analysis Report

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.

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Lab No. 226487

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QuanTEM Website

Other\_email

**Contact Information**

Company: Harendra Management Group Phone: (414) 383-4800 Project Name: DNS

Contact: Dean Jacobsen Cell Phone: \_\_\_\_\_ Project Location: Milwaukee, WI

Account #: B929 E-mail: djacobsen@harendra.com Project ID: 13-2000-068.1554

SAMPLED BY: Name: \_\_\_\_\_ Date: \_\_\_\_\_ PO. Number: \_\_\_\_\_

RELINQUISHED BY: [Signature] DATE & TIME: 9/5/13 1800 VIA: FedEx RECEIVED BY: [Signature] 9/6/13 9:50

### REQUESTED SERVICES (Please the Appropriate Boxes)

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

Sample ID (10 Characters Max)	To Be Analyzed <input checked="" type="checkbox"/>	Color	Description
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



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Lab No. 226407  
 Accept  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	11-1554	<input checked="" type="checkbox"/>				Do Not Analyze Mastic ↓	
12	12-1554	<input type="checkbox"/>					
13	13-1554	<input type="checkbox"/>					
14	14-1554	<input type="checkbox"/>					
15	15-1554	<input type="checkbox"/>					
16	16-1554	<input type="checkbox"/>					
17	17-1554	<input type="checkbox"/>					
18	18-1554	<input type="checkbox"/>					
19	19-1554	<input type="checkbox"/>					
20	20-1554	<input type="checkbox"/>					
21	21-1554	<input type="checkbox"/>					
22	22-1554	<input type="checkbox"/>					
23	23-1554	<input type="checkbox"/>					
24	24-1554	<input type="checkbox"/>					
25	25-1554	<input type="checkbox"/>					
26	26-1554	<input type="checkbox"/>					
27	27-1554	<input type="checkbox"/>				Do Not Analyze Mastic ↓	
28	28-1554	<input type="checkbox"/>					
29	29-1554	<input type="checkbox"/>					
30	30-1554	<input checked="" type="checkbox"/>					



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Lab No. 226487

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Project Information				Project Name: DNS	Project Location: Milwaukee, WI
No.	Sample ID (30 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)
31	31-1554	<input checked="" type="checkbox"/>			
32	32-1554	<input type="checkbox"/>			
33	33-1554	<input type="checkbox"/>			
34	34-1554	<input type="checkbox"/>			
35	35-1554	<input type="checkbox"/>			
36	36-1554	<input type="checkbox"/>			
37	37-1554	<input type="checkbox"/>			
38	38-1554	<input type="checkbox"/>			
39	39-1554	<input type="checkbox"/>			
40	40-1554	<input type="checkbox"/>			
41	41-1554	<input type="checkbox"/>			
42	42-1554	<input type="checkbox"/>			
43	43-1554	<input checked="" type="checkbox"/>			
44		<input type="checkbox"/>			
45		<input type="checkbox"/>			
46		<input type="checkbox"/>			
47		<input type="checkbox"/>			
48		<input type="checkbox"/>			
49		<input type="checkbox"/>			
50		<input type="checkbox"/>			

Sample not received. 9/6/13 gsm



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### 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.

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## LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

<b>Contact Information</b>		<b>Project Information</b>	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	QuantEM Website <input type="checkbox"/>
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	Other_email <input checked="" type="checkbox"/>
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 13-2000-068.1554	
Relinquished By: Name:	Date:	P.O. Number:	

RELINQUISHED BY: *[Signature]* DATE & TIME: 8/12/00 VIA: *[Signature]* 9/19/13 10:00

### REQUESTED SERVICES (PLM)

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

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volumes / Area
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"/>			

Page 1 of 1  
 Lab No. 226976  
 Accept  Reject

## **IX. HMG CERTIFICATION**



w/c

**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**

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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: \_\_\_\_\_

J. Mlekush, Laboratory Manager

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

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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



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**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	QuantEM Website
Contact: Crysta Font	Cell Phone:	Project Location: Milwaukee, WI	Other email
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 13-2000-068.1554	

Page 1 of 1

Lab No. 2216743

Accept  Reject

QuantEM Results (4/10/13)

Sampled By: <i>[Signature]</i>	Name:	Date:	RELINQUISHED BY: <i>[Signature]</i>	DATE & TIME: 9/12/13 1800	VIA: FedEx	RECEIVED BY: <i>[Signature]</i>	DATE & TIME: 9/13/13 9:30
--------------------------------	-------	-------	-------------------------------------	---------------------------	------------	---------------------------------	---------------------------

No.	Sample ID (10 Characters Max)	Sample Description	Volume (Liters)	Volume / Length (mL/cm)	Pb	Ppm	Wt %	mg / l	ng / ft <sup>2</sup>	ng / m <sup>2</sup>	mg / cm <sup>2</sup>
1	1554 L1				✓	B	✓				
2	1554 L2				✓	B	✓				
3	1554 L3				✓	B	✓				
4	1554 L4				✓	B	✓				
5	1554 L5				✓	B	✓				
6	1554 L6				✓	B	✓				
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



**ASBESTOS INSPECTION REPORT**

**Job Site:**

**Multifamily Dwelling  
2659 North Buffum 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.: 14-200-042.2659  
Contract No.: 360-14-0745**

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

Dean Jacobsen  
Asbestos Inspector No. AII – 14370

Prepared by:

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

**October 2014**

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## I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2659 North Buffum Street, Milwaukee, Wisconsin.

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

## II. BUILDING SURVEY

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

**On October 15, 2014 HMG conducted an asbestos inspection of a multifamily dwelling and garage, scheduled for mechanical demolition, located at 2659 North Buffum 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, flue packing, tar paper, window glazing compound, duct paper, linoleum, 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 north side of chimney – gray flue packing	Positive 15% Chrysotile	4 Sq. Ft.	TFPy
2	Basement – on west side of chimney – light gray flue packing	Negative	N/A	TFPylight
3a	Basement – east wall – plaster skim coat	Negative	N/A	SPI
3b	Basement – east wall – plaster base coat	Negative	N/A	SPI
4a	1 <sup>st</sup> floor – apartment 1 east bedroom – east wall – plaster skim coat	Negative	N/A	SPI
4b	1 <sup>st</sup> floor – apartment 1 east bedroom – east wall – plaster base coat	Negative	N/A	SPI
5a	1 <sup>st</sup> floor – apartment 1 east bedroom – north wall – plaster skim coat	Negative	N/A	SPI
5b	1 <sup>st</sup> floor – apartment 1 east bedroom – north wall – plaster base coat	Negative	N/A	SPI
8a	2 <sup>nd</sup> floor – apartment 3 east bedroom – east wall – plaster skim coat	Negative	N/A	SPI
8b	2 <sup>nd</sup> floor – apartment 3 east bedroom – east wall – plaster base coat	Negative	N/A	SPI
9a	2 <sup>nd</sup> floor – apartment 3 south bedroom – north wall – plaster skim coat	Negative	N/A	SPI
9b	2 <sup>nd</sup> floor – apartment 3 south bedroom – north wall – plaster base coat	Negative	N/A	SPI
10	2 <sup>nd</sup> floor – apartment 4 kitchen – south wall – plaster	Negative	N/A	SPI
11a	2 <sup>nd</sup> floor – apartment 4 north bedroom – west wall – plaster skim coat	Negative	N/A	SPI
11b	2 <sup>nd</sup> floor – apartment 4 north bedroom – west wall – plaster base coat	Negative	N/A	SPI
13	1 <sup>st</sup> floor – apartment 1 east bedroom – west wall – texture	Negative	N/A	STX
14a	1 <sup>st</sup> floor – apartment 1 center bedroom – ceiling – texture layer 2	Negative	N/A	STX
14b	1 <sup>st</sup> floor – apartment 1 center bedroom – ceiling – texture	Negative	N/A	STX
15a	1 <sup>st</sup> floor – apartment 2 kitchen – ceiling – texture	Negative	N/A	STX
15b	1 <sup>st</sup> floor – apartment 2 kitchen – ceiling – texture layer 2	Negative	N/A	STX
16a	1 <sup>st</sup> floor – apartment 2 back hall – west wall – texture	Negative	N/A	STX

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
16b	1 <sup>st</sup> floor – apartment 2 back hall – west wall – texture layer 2	Negative	N/A	STX
18a	2 <sup>nd</sup> floor – apartment 4 kitchen – east wall – texture	Negative	N/A	STX
18b	2 <sup>nd</sup> floor – apartment 4 kitchen – east wall – texture layer 2	Negative	N/A	STX
19a	2 <sup>nd</sup> floor – apartment 3 stairs – east wall – texture	Negative	N/A	STX
19b	2 <sup>nd</sup> floor – apartment 3 stairs – east wall – texture layer 2	Negative	N/A	STX
19c	2 <sup>nd</sup> floor – apartment 3 stairs – east wall – texture layer 3	Negative	N/A	STX
20	2 <sup>nd</sup> floor – apartment 3 kitchen – ceiling – texture	Negative	N/A	STX
21	1 <sup>st</sup> floor – west bedroom – on window – glazing compound	Negative	N/A	MPG
<b>22</b>	<b>2<sup>nd</sup> floor – stair – on window – glazing compound</b>	<b>Positive 4% Chrysotile</b>	<b>45 Windows</b>	<b>MPG</b>
23	2 <sup>nd</sup> floor – apartment 2 – east bedroom – on window – glazing compound	Trace <1% Chrysotile	N/A	MPG
<b>24</b>	<b>1<sup>st</sup> floor – apartment 2 northwest bedroom – on duct – duct paper</b>	<b>Positive 90% Chrysotile</b>	<b>5 Sq. Ft.</b>	<b>TDW</b>
25	2 <sup>nd</sup> floor – apartment 4 bathroom – under floor tile – gray linoleum	Negative	N/A	MFLy
27	1 <sup>st</sup> floor – apartment 2 hall – under 2 layers floor tile – yellow linoleum	Negative	N/A	MFLI
28	2 <sup>nd</sup> floor – apartment 3 kitchen – under floor tile – yellow linoleum	Negative	N/A	MFLI
29	2 <sup>nd</sup> floor – apartment 3 bathroom – under floor tile – yellow linoleum	Negative	N/A	MFLI
30	2 <sup>nd</sup> floor – apartment 3 kitchen – south wall – plaster patch	Negative	N/A	SPIP
31a	2 <sup>nd</sup> floor – apartment 4 hall – south wall – joint compound	Negative	N/A	MDW
31b	2 <sup>nd</sup> floor – apartment 4 hall – south wall – drywall	Negative	N/A	MDW
32	2 <sup>nd</sup> floor – apartment 4 living room – north wall – drywall	Negative	N/A	MDW
33a	1 <sup>st</sup> floor – apartment 2 hall – south wall – joint compound	Negative	N/A	MDW
33b	1 <sup>st</sup> floor – apartment 2 hall – south wall – drywall	Negative	N/A	MDW

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

Sq. Ft. = Square Feet

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

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,200 Sq. Ft.
Roof	Garage	Asphalt Shingles & Flashing	400 Sq. Ft.
1 <sup>st</sup> / 2 <sup>nd</sup>	Dwelling	Asphalt Shingle Siding	3,100 Sq. Ft.
1 <sup>st</sup>	Entry/Bathrooms/Kitchens/Hall	Floor Tile & Mastic	750 Sq. Ft.
2 <sup>nd</sup>	Stair/Kitchen/Bathrooms/Bedroom	Floor Tile & Mastic	620 Sq. Ft.

**Homogeneous Material Codes**

SPI	Plaster
SPIP	Plaster Patch
STX	Texture
MPG	Glazing Compound
MFLI	Yellow Linoleum
MDW	Drywall/Joint Compound
TFP	Flue Packing
TFP	Flue Packing
TDW	Duct Paper

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

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

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

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

**V. EXCLUSIONS**

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

\* 4 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. 242783	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 10/17/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 10/20/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2659

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Putty	Asbestos Present Chrysotile 15	NA	CaCO3 Binder
002	2	Homogeneous	Light Gray Sealant	Asbestos Not Present	Wollastonite 80	Binder
003	3	Layered	Dark Brown Plaster	Asbestos Not Present	NA	Quartz CaCO3
003a		Layered	Light Gray Plaster	Asbestos Not Present	Cellulose <1 Animal Hair <1	Quartz Sand
004	4	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
004a		Layered	Light Gray Plaster	Asbestos Not Present	Animal Hair 2	Quartz Sand
005	5	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.



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Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2659

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
005a		Layered	Light Gray Plaster	Asbestos Not Present	Animal Hair	2 Quartz Sand
006	8	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
006a		Layered	Light Gray Plaster	Asbestos Not Present	Animal Hair	<1 Quartz Sand
007	9	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
007a		Layered	Light Gray Plaster	Asbestos Not Present	Animal Hair	2 Quartz Sand
008	10	Homogeneous	Light Gray Plaster	Asbestos Not Present	Cellulose	4 Gypsum Perlite
009	11	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint

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Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2659

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
009a		Layered	Light Gray Plaster	Asbestos Not Present	Animal Hair	3 Quartz Sand
010	13	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
011	14	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
011a		Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3
012	15	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
012a		Layered	Pink Skim Coat	Asbestos Not Present	NA	Quartz CaCO3
013	16	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2659

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013a		Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
014	18	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
014a		Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3
015	19	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
015a		Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
015b		Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3
016	20	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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Date Received: 10/17/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 10/20/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2659

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
017	21	Homogeneous	Light Gray Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
018	22	Homogeneous	Beige Window Glazing	Asbestos Present Chrysotile 4	NA	CaCO3 Paint
019	23	Homogeneous	Light Gray Window Glazing	Asbestos Present Chrysotile <1	NA	CaCO3 Paint
020	24	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 90	NA	Binder
021	25	Homogeneous	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 5 Glass Fiber 10	Vinyl Foam
022	27	Homogeneous	Gray Linoleum	Asbestos Not Present	Cellulose 60	Tar Paint
023	28	Homogeneous	Yellow Sheet Vinyl	Asbestos Not Present	Cellulose 25 Glass Fiber 5	Vinyl Foam

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

### Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 242783	Client: Harendra Management Group
Account Number: B929	Dean Jacobsen
Date Received: 10/17/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 10/20/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2659

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
024	29	Layered	Light Yellow Sheet Vinyl	Asbestos Not Present	Cellulose 25 Glass Fiber 5	Vinyl Foam
024a		Layered	Black Floor Tile	Asbestos Present Chrysotile 13	NA	Vinyl CaCO3
025	30	Homogeneous	White Plaster	Asbestos Not Present	NA	Gypsum Perlite
026	31	Layered	White Texture	Asbestos Not Present	NA	CaCO3
026a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
027	32	Homogeneous	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
028	33	Layered	White Joint Compound	Asbestos Not Present	Cellulose 70	CaCO3 Paint

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 242783 Account Number: B929 Date Received: 10/17/2014 Received By: Judy Rowan Date Analyzed: 10/20/2014 Analyzed By: Sandy Baker Methodology: EPA/600/R-93/116 Client: Harenda Management Group Dean Jacobsen 1237 West Bruce St. Milwaukee, WI 53204 Project: DNS Project Location: Milwaukee, WI Project Number: 14-200-042.2659

Table with 7 columns: QuanTEM Sample ID, Client Sample ID, Composition, Color / Description, Asbestos (%), Non-Asbestos Fiber (%), Non Fibrous. Row 1: 028a, Layered, White Sheetrock, Asbestos Not Present, Cellulose 30, Gypsum

Handwritten signature of Sandy Baker, Analyst

10/20/2014 Date of Report

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

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



# ASBESTOS CHAIN OF CUSTODY

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Report Results ( one box)  
 QuanTEM Website  
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**Contact Information**  
 Company: Harendra Management Group  
 Contact: Dean Jacobsen  
 Account #: B929  
 Project Name: DNS  
 Project Location: Milwaukee, WI  
 Project ID: 14-200-042.2659  
 P.O. Number: \_\_\_\_\_

**Project Information**  
 Project Name: DNS  
 Project Location: Milwaukee, WI  
 Project ID: 14-200-042.2659  
 P.O. Number: \_\_\_\_\_

**RELINQUISHED BY** [Signature] **DATE & TIME** 10/16/14 1800 **VIA** FedEx **RECEIVED BY** Judy Bowen **DATE & TIME** 10/17/14 9:45

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

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

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	1	<input checked="" type="checkbox"/>				
2	2	<input type="checkbox"/>				
3	3	<input type="checkbox"/>				
4	4	<input type="checkbox"/>				
5	5	<input type="checkbox"/>				
6	8	<input type="checkbox"/>				
7	9	<input type="checkbox"/>				
8	10	<input type="checkbox"/>				
9	11	<input type="checkbox"/>				
10	13	<input checked="" type="checkbox"/>				



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For Lab Use Only
Lab No. <u>242783</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

Project Information				Project Name: DNS		Project Location: Milwaukee, WI	
Company: Harenda Management Group				Project Name: DNS		Project Location: Milwaukee, WI	
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes	
11	14	<input checked="" type="checkbox"/>					
12	15	<input type="checkbox"/>					
13	16	<input type="checkbox"/>					
14	18	<input type="checkbox"/>					
15	19	<input type="checkbox"/>					
16	20	<input type="checkbox"/>					
17	21	<input type="checkbox"/>					
18	22	<input type="checkbox"/>					
19	23	<input type="checkbox"/>					
20	24	<input type="checkbox"/>					
21	25	<input type="checkbox"/>					Do Not Test Mastic
22	27	<input type="checkbox"/>					↓
23	28	<input type="checkbox"/>					
24	29	<input type="checkbox"/>					
25	30	<input type="checkbox"/>					
26	31	<input type="checkbox"/>					
27	32	<input type="checkbox"/>					
28	33	<input checked="" type="checkbox"/>					
29		<input type="checkbox"/>					
30		<input type="checkbox"/>					

## **IX. HMG CERTIFICATION**

# Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305  
NEW BERLIN WI 53151-2105

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

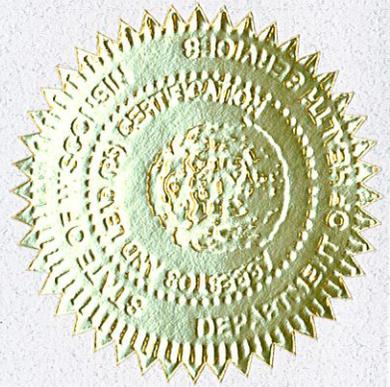
Asbestos Company - Primary

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

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



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





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

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

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

Training due by: 03/19/2015

**COPY**



**ASBESTOS INSPECTION REPORT**

**Job Site:**

**Mixed Use Building  
3218 West Cameron 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.: 14-200-042.3218  
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**

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## I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the building at 3218 West Cameron Avenue, Milwaukee, Wisconsin.

The inspection included plaster, terrazzo, ceramic tile, ceiling tile, stair tread, 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 1, 2014 HMG conducted an asbestos inspection of a mixed use building, scheduled for mechanical demolition, located at 3218 West Cameron 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 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, terrazzo, ceramic tile, ceiling tile, stair tread, and flue packing. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	1 <sup>st</sup> floor – bar area – ceiling – plaster	Negative	N/A	SPI
2a	1 <sup>st</sup> floor – bar area – south wall – plaster skim coat	Negative	N/A	SPI
2b	1 <sup>st</sup> floor – bar area – south wall – plaster base coat	Negative	N/A	SPI
3a	<b>1<sup>st</sup> floor – pool room – east wall – plaster skim coat</b>	<b>Positive 2% Chrysotile</b>	N/A	<b>SPI</b>
3a	<b>POINT COUNT RESULT</b>	<b>Positive 2.75% Chrysotile</b>	<b>6,200 Sq. Ft.</b>	<b>SPI</b>
3b	1 <sup>st</sup> floor – pool room – east wall – plaster base coat	Negative	N/A	SPI
4a	2 <sup>nd</sup> floor – living room – west wall – plaster skim coat	Negative	N/A	SPI
4b	2 <sup>nd</sup> floor – living room – west wall – plaster base coat	Negative	N/A	SPI
5a	2 <sup>nd</sup> floor – kitchen – north wall – plaster skim coat	Negative	N/A	SPI
5b	2 <sup>nd</sup> floor – kitchen – north wall – plaster base coat	Negative	N/A	SPI
6	<b>1<sup>st</sup> floor – bar area – under floor tile – white terrazzo</b>	<b>Positive 4% Chrysotile</b>	<b>650 Sq. Ft.</b>	<b>MTZw</b>
7	1 <sup>st</sup> floor – bar area – foot rest – brown ceramic tile	Negative	N/A	MCTMn
8	1 <sup>st</sup> floor – bar area – on counter – red ceramic tile	Negative	N/A	MCTMr
9	1 <sup>st</sup> floor – pool room – 2' x 4' pinholed ceiling tile	Negative	N/A	MSCT24P
10	1 <sup>st</sup> floor – bar area – at entry – stair tread	Negative	N/A	MST
11	<b>1<sup>st</sup> floor – men's and women's restrooms – red terrazzo</b>	<b>Positive 4% Chrysotile</b>	<b>110 Sq. Ft.</b>	<b>MTZr</b>
12	1 <sup>st</sup> floor – pool room – north wall under wall panels – mastic	Negative	N/A	MWM
13	<b>1<sup>st</sup> floor – pool room – west wall under wall panels – mastic</b> <i>Quantity includes pool room, back hall, and stair</i>	<b>Positive 5% Chrysotile</b>	<b>1,700 Sq. Ft.</b>	<b>MWM</b>
14	<b>1<sup>st</sup> floor – back hall – east wall under wall panels – mastic</b>	<b>Positive 10% Chrysotile</b>	<b>Reference Sample 13</b>	<b>MWM</b>
16	2 <sup>nd</sup> floor – kitchen – 2' x 4' grooved ceiling tile	Negative	N/A	MSCT24
17	2 <sup>nd</sup> floor – living room – 2' x 4' smooth ceiling tile	Negative	N/A	MSCT24S
18a	Basement – on chimney – flue packing top layer	Negative	N/A	TFP

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
18b	Basement – on chimney – flue packing bottom layer	Negative	N/A	TFP

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

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

Floor Level	Location	Description	Approximate Quantity
Roof	Building	Asphalt Shingles & Flashing	1,000 Sq. Ft.
1 <sup>st</sup> / 2 <sup>nd</sup>	Building	Asphalt Shingle Siding	2,700 Sq. Ft.
1 <sup>st</sup>	Bar Area/Pool Room/Back Hall	Floor Tile & Mastic	900 Sq. Ft.
2 <sup>nd</sup>	Stair/Kitchen/Dining Room	Floor Tile & Mastic	300 Sq. Ft.

**Homogeneous Material Codes**

SPI	Plaster
MTZw	White Terrazzo
MTZr	Red Terrazzo
MCTMn	Brown Ceramic Tile
MCTMr	Red Ceramic Tile
MCTMw	White Ceramic Tile
MSCT24P	2' x 4' Pinholed Ceiling Tile
MSCT24G	2' x 4' Grooved Ceiling Tile
MSCT24S	2' x 4' Smooth Ceiling Tile
MST	Stair Tread
MWM	Wall Mastic
TFP	Flue Packing

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

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

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

**V. EXCLUSIONS**

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

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

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

## VI. LIMITATIONS

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

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

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

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

### **ASBESTOS**

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

### **CFCs and HALONS**

Equipment that may contain CFCs and Halons:

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

### **LEAD**

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

## MERCURY

Products that may contain mercury:

### LIGHTING

<u>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

\* 10 Gallons Paint in Basement

## VIII. LABORATORY RESULTS



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

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 237590	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/03/2014	1237 West Bruce St.
Received By: Carter Cox	Milwaukee, WI 53204
Date Analyzed: 07/08/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3218

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

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Quantem Lab No. 237590	Client: Harenda Management Group
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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3218

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
005	5	Layered	Cream Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
005a		Layered	Gray Plaster	Asbestos Not Present	Cellulose	2 Quartz Gypsum
006	6	Homogeneous	Multi-Color Terrazzo	Asbestos Present Chrysotile	NA	4 CaCO3 Binder
007	7	Homogeneous	Brown Ceramic Tile	Asbestos Not Present	NA	Clay
008	8	Homogeneous	Red Ceramic Tile	Asbestos Not Present	NA	Clay
009	9	Homogeneous	White/Brown Fiberboard	Asbestos Not Present	Cellulose	90 Paint
010	10	Homogeneous	Tan Flooring	Asbestos Not Present	NA	Vinyl Binder

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
011	11	Layered	Red Terrazzo	Asbestos Present Chrysotile 4	NA	CaCO3 Binder
011a		Layered	Black Grout	Asbestos Not Present	NA	CaCO3 Binder
012	12	Homogeneous	Brown Mastic	Asbestos Not Present	NA	Glue
013	13	Layered	Brown/Tan Mastic	Asbestos Present Chrysotile 5	NA	Glue
013a		Layered	White Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
014	14	Homogeneous	Black Mastic	Asbestos Present Chrysotile 10	NA	Binder
015	16	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite

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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: 14-200-042.3218

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016	17	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
017	18	Layered	White Stucco	Asbestos Not Present	NA	CaCO3 Paint
017a		Layered	Gray Stucco	Asbestos Not Present	NA	Quartz CaCO3

Gayle Ooten, Analyst

7/8/2014

Date of Report

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

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 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: 14-200-042.3218	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	7/2/14 1800		<i>Carter Cox</i>	7/3/14 10:00

### REQUESTED SERVICES (Please the Appropriate Boxes)

	PLM		PLM		TEM		TEM		TURNAROUND TIME											
	Bulk Analysis (EPA 600/R-93/116)	400 Point Count	1000 Point Count	Gravimetric Preparation	Particle ID	Air- AHERA	Air- NIOSH 7402	Air- ISO 10312	Drinking Water- EPA 100.2	Waste Water- EPA 600/4-83-043	Bulk- Presence / Absence EPA600/R-93/116	Bulk- Quantitative [weight%]- Chatfield	Dust- Presence / Absence	Dust- Quantitative [fibers/sq.cm]- ASTM D5755	Other	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 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"/>	<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	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"/>			Do Not Test Mustic
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>237570</u>
<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI			
Company: Harenda Management Group						
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	16	<input type="checkbox"/>				
16	17	<input type="checkbox"/>				
17	18	<input checked="" 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"/>				



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

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 237861

Account Number: B929

Date Received: 07/11/2014

Received By: Sherrie Leftwich

Date Analyzed: 07/11/2014

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

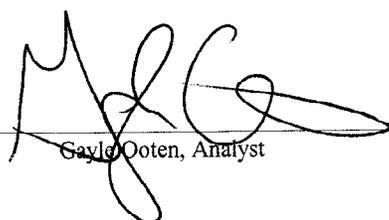
Client: Harenda Management Group  
Jolene Harenda  
1237 West Bruce St.  
Milwaukee, WI 53204

Project: DNS, PT CT for 237590

Project Location: Milwaukee, WI

Project Number: 14-200-042.3218

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	3	Homogeneous	Cream Skim Coat	Asbestos Present Chrysotile 2.75 400 Point Count	NA	



Gayle Ooten, Analyst

7/11/2014  
Date of Report

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

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



# ASBESTOS CHAIN OF CUSTODY

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

## LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only

Lab No. 237861

Accept  Reject

Report Results ( one box)  
 QuantEM Website  
 Other email: \_\_\_\_\_

Contact Information		Project Information	
Company: Harendra Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harendra.com	Project ID: 14-200-042.3218	
SAMPLED BY: _____	Name:	P.O. Number:	

RELINQUISHED BY: _____	DATE & TIME: 7/14/14 1650	VIA: Email	RECEIVED BY: <u>Shiffman</u>	DATE & TIME: 7/14/14 11:00
------------------------	---------------------------	------------	------------------------------	----------------------------

### REQUESTED SERVICES (Please the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1	3	<input checked="" type="checkbox"/>	skim coat		Quantem Lab # 237590
2		<input type="checkbox"/>			
3		<input type="checkbox"/>			
4		<input type="checkbox"/>			
5		<input type="checkbox"/>			
6		<input type="checkbox"/>			
7		<input type="checkbox"/>			
8		<input type="checkbox"/>			
9		<input type="checkbox"/>			
10		<input type="checkbox"/>			

## **IX. HMG CERTIFICATION**

# Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305  
NEW BERLIN WI 53151-2105

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

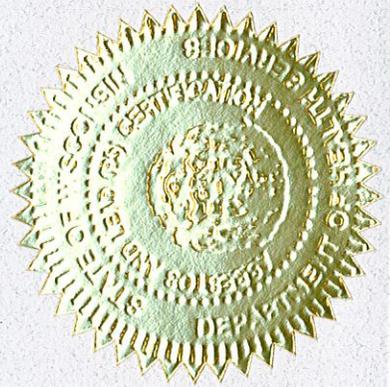
Asbestos Company - Primary

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

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



*Shelley A Bruce*  
Shelley A Bruce,  
Unit Supervisor





**ASBESTOS INSPECTOR**

Issued By

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

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  
SUPPLEMENTAL**

**Job Site:**

**Mixed Use Building  
3218 West Cameron 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.: 14-200-042.3218S  
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**

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## I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct a supplemental inspection for asbestos containing plaster at 3218 West Cameron Avenue, Milwaukee, Wisconsin.

The inspection included plaster 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.

During an asbestos inspection conducted in July 2014, five samples of plaster surfacing had been collected and analyzed for asbestos by polarized light microscopy (PLM). One sample, collected from the 1<sup>st</sup> floor pool room east wall, contained 2.75% chrysotile. The City of Milwaukee Department of Neighborhood Services has requested a supplemental inspection to isolate the location of asbestos containing plaster as permitted in the USEPA guidance "Asbestos in Buildings: Simplified Sampling Scheme for Friable Surfacing Materials".

**On July 15, 2014, HMG conducted a supplemental asbestos inspection of a mixed use building, scheduled for mechanical demolition, located at 3218 West Cameron Avenue, Milwaukee, Wisconsin. This inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.**

During the initial inspection, plaster had been identified in all 1<sup>st</sup> and 2<sup>nd</sup> floor rooms plus the basement. Sample had been collected from the 2<sup>nd</sup> floor living room and kitchen, and the 1<sup>st</sup> floor bar area and pool room. The approximate quantity of plaster is 6,200 sq. ft.

During the supplemental inspection additional plaster samples were collected from each of the other rooms that have plaster. If at least one plaster sample had previously been collected from a room, no additional samples were collected during the supplemental inspection.

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 material identified as a suspect asbestos containing material (ACM) included plaster. This material was sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
19a	1 <sup>st</sup> floor – men’s restroom – west wall under wood panel – patch layer	Positive 2% Chrysotile	N/A	SPI
19a	POINT COUNT RESULT	Positive 1.25% Chrysotile	850 Sq. Ft.	SPI
19a	1 <sup>st</sup> floor – men’s restroom – west wall – plaster skim coat	Negative	N/A	SPI
19b	1 <sup>st</sup> floor – men’s restroom – west wall – plaster base coat	Negative	N/A	SPI
20a	1 <sup>st</sup> floor – women’s restroom – west wall – patch layer	Positive 2% Chrysotile	N/A	SPI
20a	POINT COUNT RESULT	Trace 0.5% Chrysotile	N/A	SPI
20b	1 <sup>st</sup> floor – women’s restroom – west wall – plaster skim coat	Negative	N/A	SPI
20c	1 <sup>st</sup> floor – women’s restroom – west wall – plaster base coat	Negative	N/A	SPI
21a	1 <sup>st</sup> floor – pool room – south wall – patch layer	Positive 2% Chrysotile	N/A	SPI
21a	POINT COUNT RESULT	Trace 1% Chrysotile	N/A	SPI
21b	1 <sup>st</sup> floor – pool room – south wall – plaster skim coat	Negative	N/A	SPI
21c	1 <sup>st</sup> floor – pool room – south wall – plaster base coat	Negative	N/A	SPI
22a	1 <sup>st</sup> floor – pool room – north wall – patch layer	Trace <1% Chrysotile	N/A	SPI
22a	POINT COUNT RESULT	Trace 0.25% Chrysotile	N/A	SPI
22b	1 <sup>st</sup> floor – pool room – north wall – mastic	Negative	N/A	SPI
22c	1 <sup>st</sup> floor – pool room – north wall – plaster skim coat	Negative	N/A	SPI
22d	1 <sup>st</sup> floor – pool room – north wall – plaster base coat	Negative	N/A	SPI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
23a	1 <sup>st</sup> floor – pool room – west wall – plaster skim coat	Negative	N/A	SPI
23b	1 <sup>st</sup> floor – pool room – west wall – plaster base coat	Negative	N/A	SPI
24a	1 <sup>st</sup> floor – pool room – ceiling – patch layer	Trace <1% Chrysotile	N/A	SPI
24a	POINT COUNT RESULT	Trace 0.25% Chrysotile	N/A	SPI
24b	1 <sup>st</sup> floor – pool room – ceiling – mastic	Negative	N/A	SPI
24c	1 <sup>st</sup> floor – pool room – ceiling – plaster skim coat	Negative	N/A	SPI
24d	1 <sup>st</sup> floor – pool room – ceiling – plaster base coat	Negative	N/A	SPI
25a	1 <sup>st</sup> floor – stair – east wall – patch layer	Negative	N/A	SPI
25b	1 <sup>st</sup> floor – stair – east wall – plaster skim coat	Negative	N/A	SPI
26a	2 <sup>nd</sup> floor – bathroom – west wall – plaster skim coat	Negative	N/A	SPI
26b	2 <sup>nd</sup> floor – bathroom – west wall – plaster base coat	Negative	N/A	SPI
27a	2 <sup>nd</sup> floor – kitchen closet – north wall – plaster skim coat	Negative	N/A	SPI
27b	2 <sup>nd</sup> floor – kitchen closet – north wall – plaster base coat	Negative	N/A	SPI
28a	2 <sup>nd</sup> floor – northwest bedroom – south wall – plaster skim coat	Negative	N/A	SPI
28b	2 <sup>nd</sup> floor – northwest bedroom – south wall – plaster base coat	Negative	N/A	SPI
29a	2 <sup>nd</sup> floor – southwest bedroom – west wall – patch layer	Negative	N/A	SPI
29b	2 <sup>nd</sup> floor – southwest bedroom – west wall – plaster skim coat	Negative	N/A	SPI
29c	2 <sup>nd</sup> floor – southwest bedroom – west wall – plaster base coat	Negative	N/A	SPI
30a	2 <sup>nd</sup> floor – living room closet – west wall – plaster skim coat	Negative	N/A	SPI
30b	2 <sup>nd</sup> floor – living room closet – west wall – plaster base coat	Negative	N/A	SPI
31a	Basement – west wall – plaster skim coat	Negative	N/A	SPI
31b	Basement – west wall – plaster base coat	Negative	N/A	SPI
32	2 <sup>nd</sup> floor – bedrooms – under carpet – tan and blue linoleum	Negative	N/A	MFLtb
<b>33</b>	<b>2<sup>nd</sup> floor – stair – east window – glazing compound</b>	<b>Positive 3% Chrysotile</b>	<b>15 Windows</b>	<b>MPG</b>
34	2 <sup>nd</sup> floor – bathroom – under floor tile – red and white terrazzo	Trace <1% Chrysotile	N/A	MTZrw
34	POINT COUNT RESULT	Trace <0.25% Chrysotile	N/A	MTZrw
35	Basement – stair – north wall – drywall	Negative	N/A	MDW
36	Basement – southeast cooler – on floor and in west wall – vermiculite	Trace <1% Chrysotile	N/A	MVI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
36	POINT COUNT RESULT	Positive 10.25% Chrysotile	90 Sq. Ft.	MVI

Plaster results from initial inspection July 2014:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	1 <sup>st</sup> floor – bar area – ceiling – plaster	Negative	N/A	SPI
2a	1 <sup>st</sup> floor – bar area – south wall – plaster skim coat	Negative	N/A	SPI
2b	1 <sup>st</sup> floor – bar area – south wall – plaster base coat	Negative	N/A	SPI
3a	1 <sup>st</sup> floor – pool room – east wall – plaster skim coat	Positive 2% Chrysotile	N/A	SPI
3a	POINT COUNT RESULT	Positive 2.75% Chrysotile	Reference Sample 19A	SPI
3b	1 <sup>st</sup> floor – pool room – east wall – plaster base coat	Negative	N/A	SPI
4a	2 <sup>nd</sup> floor – living room – west wall – plaster skim coat	Negative	N/A	SPI
4b	2 <sup>nd</sup> floor – living room – west wall – plaster base coat	Negative	N/A	SPI
5a	2 <sup>nd</sup> floor – kitchen – north wall – plaster skim coat	Negative	N/A	SPI
5b	2 <sup>nd</sup> floor – kitchen – north wall – plaster base coat	Negative	N/A	SPI

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

**Asbestos containing Plaster (SPI) is in the 1<sup>st</sup> floor pool room east wall and in the men's restroom walls and ceiling.**

#### Homogeneous Material Codes

SPI	Plaster
MFLtb	Tan and Blue Linoleum
MPG	Glazing Compound
MTZrw	Red & White Terrazzo
MDW	Drywall
MVI	Vermiculite

**Note#1:** If additional materials are discovered during demolition that are not listed above they are to be assumed to be asbestos containing.

**Note#2:** A copy of this report should be transmitted to the demolition contractor.

**Note#3:** Asbestos containing terrazzo and wall mastic were identified on the 1<sup>st</sup> floor during the initial inspection in July 2014.

## V. EXCLUSIONS

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 Lab 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. 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. 238107	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/16/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/23/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3218

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	19	Layered	Tan Texture	Asbestos Present Chrysotile 2	NA	CaCO3 Paint
001a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
001b		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
002	20	Layered	Tan Texture	Asbestos Present Chrysotile 2	NA	CaCO3 Paint
002a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
002b		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
003	21	Layered	Tan Texture	Asbestos Present Chrysotile 2	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. 238107	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/16/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/23/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3218

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
003a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
003b		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
004	22	Layered	Tan Skim Coat	Asbestos Present Chrysotile <1	Glass Fiber	2 Sand CaCO3 Paint
004a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue CaCO3
004b		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
004c		Layered	Tan Plaster	Asbestos Not Present	NA	Sand CaCO3
005	23	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint

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

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### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 238107	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/16/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/23/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3218

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
005a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Gypsum Perlite
006	24	Layered	Tan Skim Coat	Asbestos Present Chrysotile <1	Glass Fiber	2 Sand CaCO3 Paint
006a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue CaCO3
006b		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
006c		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
007	25	Layered	Green Texture	Asbestos Not Present	NA	CaCO3 Perlite Paint

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

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### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 238107

Account Number: B929

Date Received: 07/16/2014

Received By: Judy Rowan

Date Analyzed: 07/23/2014

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: 14-200-042.3218

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007a		Layered	Tan Skim Coat	Asbestos Not Present	Glass Fiber	4 Sand Gypsum Paint
007b		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
008	26	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
008a		Layered	Tan Plaster	Asbestos Not Present	Hair	5 Sand CaCO3
009	27	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
009a		Layered	Tan Plaster	Asbestos Not Present	Glass Fiber	5 Sand CaCO3
010	28	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint

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

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

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 238107

Account Number: B929

Date Received: 07/16/2014

Received By: Judy Rowan

Date Analyzed: 07/23/2014

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: 14-200-042.3218

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010a		Layered	Gray Plaster	Asbestos Not Present	Glass Fiber	4 Sand Gypsum
011	29	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
011a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
011b		Layered	Tan Plaster	Asbestos Not Present	Hair	2 Sand CaCO3
012	30	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
012a		Layered	Tan Plaster	Asbestos Not Present	Hair	4 Sand CaCO3
013	31	Layered	White Skim Coat	Asbestos Not Present	Wollastonite	2 Sand CaCO3 Paint

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

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### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 238107	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/16/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/23/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3218

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
014	32	Homogeneous	Blue Linoleum	Asbestos Not Present	Cellulose 25	Tar CaCO3 Binder
015	33	Homogeneous	White Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3
016	34	Homogeneous	White Terrazzo	Asbestos Present Chrysotile <1	NA	Quartz CaCO3
017	35	Layered	Silver Paint	Asbestos Not Present	NA	Paint
017a		Layered	Brown Sheetrock	Asbestos Not Present	Cellulose 5	Gypsum
018	36	Homogeneous	Gold Insulation	Asbestos Present Chrysotile <1	NA	Vermiculite

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. 238107	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/16/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/23/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3218

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

*Cristal Veech*  
 Cristal Veech, Analyst

7/23/2014  
 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: Harenda Management Group Contact: Dean Jacobsen Account #: B929 Phone: (414) 383-4800 Cell Phone: E-mail: djacobsen@harenda.com Date:		<b>Project Information</b> Project Name: DNS Project Location: Milwaukee, WI Project ID: 14-200-042.3218 PO. Number:	
<b>SAMPLED BY:</b> Name: <i>Dean Jacobsen</i>		<b>RECEIVED BY:</b> Name: <i>Judy Rowan</i>	
<b>DATE &amp; TIME:</b> 7/15/14 1800		<b>DATE &amp; TIME:</b> 7/16/14 10:45	

<b>RELINQUISHED BY:</b> <i>Dean Jacobsen</i>	<b>VIA:</b> <i>FedEx</i>	<b>DATE &amp; TIME:</b> 7/15/14 1800	<b>DATE &amp; TIME:</b> 7/16/14 10:45
--	--------------------------	--------------------------------------	---------------------------------------

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

PLM	PLM	TEM	TEM	TURNAROUND TIME
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116) <input type="checkbox"/> 400 Point Count <input type="checkbox"/> 1000 Point Count <input type="checkbox"/> Gravimetric Preparation <input type="checkbox"/> Particle ID	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004) <input type="checkbox"/> Other <input type="checkbox"/> PCM <input type="checkbox"/> NIOSH 7400	<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 <input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755 <input checked="" type="checkbox"/> Other	<input type="checkbox"/> Rush <input type="checkbox"/> Same Day <input type="checkbox"/> 24 - Hour <input type="checkbox"/> 3 - Day <input checked="" type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	19	<input checked="" type="checkbox"/>				
2	20	<input type="checkbox"/>				
3	21	<input type="checkbox"/>				
4	22	<input type="checkbox"/>				
5	23	<input type="checkbox"/>				
6	24	<input type="checkbox"/>				
7	25	<input type="checkbox"/>				
8	26	<input type="checkbox"/>				
9	27	<input type="checkbox"/>				
10	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

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

For Lab Use Only
Lab No. <u>238107</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	29	<input checked="" type="checkbox"/>				
12	30	<input type="checkbox"/>				
13	31	<input type="checkbox"/>				
14	32	<input type="checkbox"/>				
15	33	<input type="checkbox"/>				
16	34	<input type="checkbox"/>				
17	35	<input type="checkbox"/>				
18	36	<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"/>				



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

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 238586	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/25/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 07/26/2014	Project: PTCT for 238107, DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3218

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	19	Homogeneous	Tan Texture	Asbestos Present Chrysotile 1.25 400 Point Count	NA	
002	20	Homogeneous	Tan Texture	Asbestos Present Chrysotile 0.50 400 Point Count	NA	
003	21	Homogeneous	Tan Texture	Asbestos Present Chrysotile 1.00 400 Point Count	NA	
004	22	Homogeneous	Tan Skim Coat	Asbestos Present Chrysotile 0.25 400 Point Count	NA	
005	24	Homogeneous	Tan Skim Coat	Asbestos Present Chrysotile 0.25 400 Point Count	NA	
006	34	Homogeneous	White Terrazzo	Asbestos Present Chrysotile <0.25 400 Point Count	NA	

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.

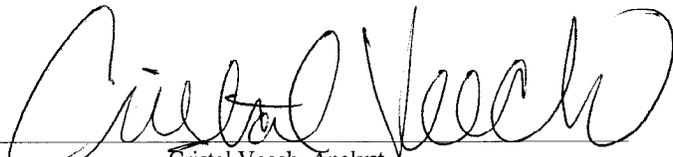


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 238586	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/25/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 07/26/2014	Project: PTCT for 238107, DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3218

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007	36	Homogeneous	Gold Insulation	Asbestos Present Chrysotile 10.25 400 Point Count	NA	Vermiculite

  
Cristal Veech, Analyst

7/26/2014  
Date of Report

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

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



# ASBESTOS CHAIN OF CUSTODY

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

www.QuanTEM.com

## LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only  
 Lab No. 238586  
 Accept  Reject  
 Report Results  one box  
 QuanTEM Website  
 Other email

**Contact Information**  
 Company: **Harenda Management Group**  
 Contact: **Dean Jacobsen**  
 Account #: **B929**  
 Phone: **(414) 383-4800**  
 Cell Phone:  
 E-mail: **djacobsen@harenda.com**  
 Date:  
**Project Information**  
 Project Name: **DNS**  
 Project Location: **Milwaukee, WI**  
 Project ID: **14-200-042.3218**  
 P.O. Number:

**RELINQUISHED BY** Dean Jacobsen **DATE & TIME** 7/25/14 9:45 **VIA** Email **RECEIVED BY** S. Lytle **DATE & TIME** 7/25/14 1:00

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

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

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1	19	<input checked="" type="checkbox"/>	tan texture		Quantem Lab#238107
2	20	<input checked="" type="checkbox"/>	tan texture		
3	21	<input checked="" type="checkbox"/>	tan texture		
4	22	<input checked="" type="checkbox"/>	tan skim coat		
5	24	<input checked="" type="checkbox"/>	tan skim coat		
6	34	<input checked="" type="checkbox"/>			
7	36	<input checked="" type="checkbox"/>			
8		<input type="checkbox"/>			
9		<input type="checkbox"/>			
10		<input type="checkbox"/>			

## **VIII. HMG CERTIFICATION**

# Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305  
NEW BERLIN WI 53151-2105

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

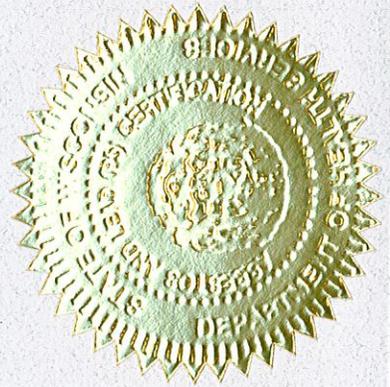
Asbestos Company - Primary

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

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



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





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen  
W1316781 Kipling Dr  
Monkego WI 53150-3401

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

Training due by: 12/01/2014



**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**

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

IV. Findings and Observations.....3

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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.

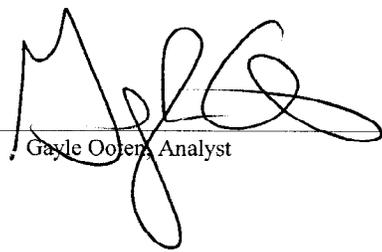


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### 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: [Signature]	Name:	P.O. Number:	

RELINQUISHED BY: [Signature]	VIA: FedEx	RECEIVED BY: Judy Rowen	DATE & TIME: 7/23/14 18:00
			DATE & TIME: 7/24/14 9:40

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"/>				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. <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)	<input checked="" type="checkbox"/> To Be Analyzed	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

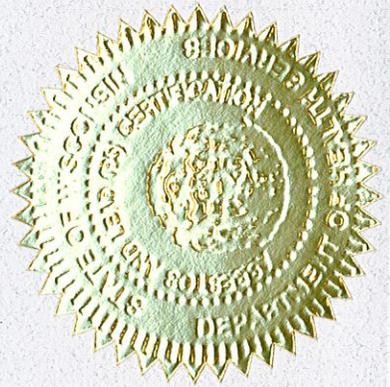
Asbestos Company - Primary

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  
3430 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.: 14-200-042.3430  
Contract No.: 360-14-0745**

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

Dean Jacobsen  
Asbestos Inspector No. AII – 14370

Prepared by:

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

**September 2014**

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## I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the building at 3430 West Center Street, Milwaukee, Wisconsin.

The inspection included plaster, fittings, aircell insulation, ceramic tile, terrazzo, drywall/joint compound, ceiling tile, floor 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 August 27, 2014 HMG conducted an asbestos inspection of a mixed use building, scheduled for mechanical demolition, located at 3430 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 except where on concrete.
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, fittings, aircell insulation, ceramic tile, terrazzo, drywall/joint compound, ceiling tile, floor tile, 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 cardboard pipe insulation	Positive 10% Chrysotile, <1% Amosite	70 Ln. Ft.	TC5
2	Basement – <5” diameter cardboard pipe insulation	Positive 10% Chrysotile, <1% Amosite	Reference Sample 1	TC5
3	Basement – <5” diameter cardboard pipe insulation	Positive 10% Chrysotile, <1% Amosite	Reference Sample 1	TC5
4	Basement – <5” diameter pipe insulation fitting	Positive 5% Chrysotile	12 Fittings	TF5
5	Basement – <5” diameter pipe insulation fitting	Positive 5% Chrysotile	Reference Sample 4	TF5
6	Basement – <5” diameter pipe insulation fitting	Positive 5% Chrysotile	Reference Sample 4	TF5
7a	Basement – south wall – plaster skim coat	Negative	N/A	SPI
7b	Basement – south wall – plaster base coat	Negative	N/A	SPI
8a	1 <sup>st</sup> floor – stair 2 – north wall – plaster skim coat	Negative	N/A	SPI
8b	1 <sup>st</sup> floor – stair 2 – north wall – plaster base coat	Negative	N/A	SPI
9	2 <sup>nd</sup> floor – dining room – east wall – plaster	Negative	N/A	SPI
10a	2 <sup>nd</sup> floor – bathroom floor – tan ceramic tile	Negative	N/A	MCTMt
10b	2 <sup>nd</sup> floor – bathroom floor – grout	Negative	N/A	MCTMt
11	1 <sup>st</sup> floor – section 1 – east side – terrazzo floor	Negative	N/A	MTZ
12	1 <sup>st</sup> floor – section 2 – west side – terrazzo floor	Negative	N/A	MTZ
13	1 <sup>st</sup> floor – hall – terrazzo floor	Negative	N/A	MTZ
14a	1 <sup>st</sup> floor – section 2 – west wall – joint compound	Negative	N/A	MDW
14b	1 <sup>st</sup> floor – section 2 – west wall – drywall	Negative	N/A	MDW
15a	1 <sup>st</sup> floor – section 3 hall – south wall – joint compound	Negative	N/A	MDW
15b	1 <sup>st</sup> floor – section 3 hall – south wall – drywall	Negative	N/A	MDW
16a	1 <sup>st</sup> floor – section 1 – west wall – joint compound	Negative	N/A	MDW
16b	1 <sup>st</sup> floor – section 1 – west wall – joint compound layer 2	Negative	N/A	MDW
16c	1 <sup>st</sup> floor – section 1 – west wall – drywall	Negative	N/A	MDW
17a	1 <sup>st</sup> floor – section 2 – on south wall column – texture coating	Negative	N/A	MCTMr
17b	1 <sup>st</sup> floor – section 2 – on south wall column – red ceramic tile	Negative	N/A	MCTMr

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
17c	1 <sup>st</sup> floor – section 2 – on south wall column – mastic	Negative	N/A	MCTMr
18a	2 <sup>nd</sup> floor - stair 3 – on east wall – pink ceramic tile	Negative	N/A	MCTMp
18b	2 <sup>nd</sup> floor - stair 3 – on east wall – mastic	Positive 10% Chrysotile	N/A	MCTMp
19a	2 <sup>nd</sup> floor – bathroom floor – beige ceramic tile	Negative	N/A	MCTMe
19b	2 <sup>nd</sup> floor – bathroom floor – mastic	Positive 10% Chrysotile	N/A	MCTMp
20	1 <sup>st</sup> floor – section 1 – 2' x 4' ceiling tile	Negative	N/A	MSCT24
21	1 <sup>st</sup> floor – section 2 – 2' x 4' ceiling tile	Negative	N/A	MSCT24
22	1 <sup>st</sup> floor – section 2 – 2' x 4' ceiling tile	Negative	N/A	MSCT24
23	1 <sup>st</sup> floor – section 1 – 12" brown floor tile	Negative	N/A	MF12n
24	1 <sup>st</sup> floor – section 1 – under floor tile – brown and blue linoleum	Negative	N/A	MFLnb
25	1 <sup>st</sup> floor – section 1 – under floor tile – brown and blue linoleum	Negative	N/A	MFLnb
25	1 <sup>st</sup> floor – section 1 – under linoleum – mastic	Negative	N/A	MFLnb
26	1 <sup>st</sup> floor – section 3 office – under floor tile – brown and blue linoleum	Negative	N/A	MFLnb
27	1 <sup>st</sup> floor – section 3 office – tan and gray floor tile	Negative	N/A	MF12ty
28	1 <sup>st</sup> floor – section 3 office – tan and gray floor tile	Negative	N/A	MF12ty
29	1 <sup>st</sup> floor – section 3 office – tan and gray floor tile	Negative	N/A	MF12ty
<b>30a</b>	<b>1<sup>st</sup> floor – section 3 office – 12" tan floor tile on concrete</b>	<b>Positive 6% Chrysotile</b>	<b>90 Sq. Ft.</b>	<b>MF12t</b>
<b>30b</b>	<b>1<sup>st</sup> floor – section 3 office – under floor tile on concrete – black mastic</b>	<b>Positive 8% Chrysotile</b>	<b>90 Sq. Ft.</b>	<b>MF12t</b>
31	1 <sup>st</sup> floor – section 3 office – 12" tan and blue floor tile	Negative	N/A	MF12tb
32a	2 <sup>nd</sup> floor – dining room – 1' x 1' grooved ceiling tile	Negative	N/A	MSCT11G
32b	2 <sup>nd</sup> floor – dining room – under ceiling tile – mastic	Negative	N/A	MSCT11G
32c	2 <sup>nd</sup> floor – dining room – under mastic – plaster	Negative	N/A	MSCT11G
33a	2 <sup>nd</sup> floor – dining room – 1' x 1' grooved ceiling tile	Negative	N/A	MSCT11G
33b	2 <sup>nd</sup> floor – dining room – under ceiling tile – mastic	Negative	N/A	MSCT11G
33c	2 <sup>nd</sup> floor – dining room – under mastic – plaster	Negative	N/A	MSCT11G
34a	2 <sup>nd</sup> floor – living room – 1' x 1' grooved ceiling tile	Negative	N/A	MSCT11G
34b	2 <sup>nd</sup> floor – living room – under ceiling tile – mastic	Negative	N/A	MSCT11G
34c	2 <sup>nd</sup> floor – living room – under mastic – plaster	Negative	N/A	MSCT11G
35a	2 <sup>nd</sup> floor – storage room – 1' x 1' pinholed ceiling tile	Negative	N/A	MSCT11P
35b	2 <sup>nd</sup> floor – storage room – under ceiling tile – mastic	Negative	N/A	MSCT11P

**Notes:** N/A = Not Applicable  
Sq. Ft. = Square Feet  
Ln. Ft. = Linear 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	Built up Roofing & Flashing	2,700 Sq. Ft.
Roof	Building	Asphalt Shingles & Flashing	900 Sq. Ft.
2 <sup>nd</sup>	Kitchens/Bathroom/Living Room/Dining Room/Hall	Floor Tile & Mastic	1,150 Sq. Ft.

**Homogeneous Material Codes**

SPI	Plaster
MCTMt	Tan Ceramic Tile
MCTMr	Red Ceramic Tile
MCTMp	Pink Ceramic Tile
MCTMe	Beige Ceramic Tile
MTZ	Terrazzo
MDW	Drywall/Joint Compound
MSCT24	2' x 4' Ceiling Tile
MSCT11G	1' x 1' Grooved Ceiling Tile
MSCT11P	1' x 1' Pinholed Ceiling Tile
MF12n	12" Brown Floor Tile
MF12ty	12" Tan & Gray Floor Tile
MF12t	12" Tan Floor Tile
MF12tb	12" Tan & Blue Floor Tile
MFLnb	Brown & Blue Linoleum
TC5	<5" Diameter Cardboard Pipe Insulation
TD5	<5" Diameter Pipe Insulation Fitting

**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 cardboard 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>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>42</u>	Fluorescent Lights – 1 <sup>st</sup> 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>1</u>	Old Thermostats – 2 <sup>nd</sup> Floor Dining Room
<u>N/A</u>	Aquastats
<u>N/A</u>	Firestats
<u>N/A</u>	Manometers
<u>N/A</u>	Thermometers

### BOILERS, FURNACES, HEATERS AND TANKS

<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>40</u>	Light Ballasts – 1 <sup>st</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>1</u>	Oil Tanks – Basement
<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. 240355	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 09/02/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 09/08/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3034

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 10 Amosite <1	Glass Fiber	60 Binder
002	2	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 10 Amosite <1	Glass Fiber	60 Binder
003	3	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 10 Amosite <1	Glass Fiber	60 Binder
004	4	Homogeneous	Tan Insulation	Asbestos Present Chrysotile 5	Cellulose	85 Glue
005	5	Homogeneous	Tan Insulation	Asbestos Present Chrysotile 5	Cellulose	85 Glue
006	6	Homogeneous	Tan Insulation	Asbestos Present Chrysotile 5	Cellulose	85 Glue
007	7	Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand

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

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

### Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 240355	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 09/02/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 09/08/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3034

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007a		Layered	Tan Plaster	Asbestos Not Present	NA	Quartz Sand
008	8	Layered	Light Gray Skim Coat	Asbestos Not Present	NA	Quartz Paint
008a		Layered	Gray Plaster	Asbestos Not Present	Animal Hair	3 Quartz Sand
009	9	Homogeneous	Gray Plaster	Asbestos Not Present	Animal Hair	4 Quartz Sand
010	10	Layered	Yellow Ceramic Tile	Asbestos Not Present	NA	Clay
010a		Layered	Dark Gray Grout	Asbestos Not Present	NA	Quartz Clay
011	11	Homogeneous	Gray Concrete	Asbestos Not Present	NA	Quartz Sand

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

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 240355

Account Number: B929

Date Received: 09/02/2014

Received By: Judy Rowan

Date Analyzed: 09/08/2014

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Dean Jacobsen

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.3034

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012	12	Homogeneous	Gray Concrete	Asbestos Not Present	NA	Quartz Sand
013	13	Homogeneous	Gray Concrete	Asbestos Not Present	NA	Quartz Sand
014	14	Layered	White Joint Compound	Asbestos Not Present	Cellulose 70	CaCO3 Paint
014a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
015	15	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
015a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
016	16	Layered	White Texture	Asbestos Not Present	NA	Gypsum CaCO3 Paint

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

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 240355	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 09/02/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 09/08/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3034

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016a		Layered	White Plaster	Asbestos Not Present	NA	Quartz Sand
016b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
017	17	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
017a		Layered	Blue Ceramic Tile	Asbestos Not Present	NA	Clay
017b		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
018	18	Layered	Pink Ceramic Tile	Asbestos Not Present	NA	Clay
018a		Layered	Gray Mastic	Asbestos Present Chrysotile 10	NA	Glue

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

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 240355

Account Number: B929

Date Received: 09/02/2014

Received By: Judy Rowan

Date Analyzed: 09/08/2014

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

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

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.3034

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019	19	Layered	Pink Ceramic Tile	Asbestos Not Present	NA	Clay
019a		Layered	Gray Mastic	Asbestos Present Chrysotile 10	NA	Glue
020	20	Homogeneous	White Ceiling Tile	Asbestos Not Present	Glass Fiber 90	Paint
021	21	Homogeneous	White Ceiling Tile	Asbestos Not Present	Glass Fiber 90	Paint
022	22	Homogeneous	White Ceiling Tile	Asbestos Not Present	Glass Fiber 90	Paint
023	23	Homogeneous	Brown Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
024	24	Homogeneous	Beige/Brown Sheet Vinyl	Asbestos Not Present	Cellulose 20 Glass Fiber 5 Synthetic 5	Vinyl Foam

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

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 240355

Account Number: B929

Date Received: 09/02/2014

Received By: Judy Rowan

Date Analyzed: 09/08/2014

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Dean Jacobsen

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.3034

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
025	25	Layered	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 25 Glass Fiber 5	Vinyl Foam
025a		Composite	Yellow/Black Mastic	Asbestos Not Present	NA	Glue Tar
026	26	Homogeneous	Beige/Brown Sheet Vinyl	Asbestos Not Present	Cellulose 25 Glass Fiber 5	Vinyl Foam
027	27	Homogeneous	Tan Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
028	28	Homogeneous	Tan Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
029	29	Homogeneous	Gray Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
030	30	Layered	Light Gray Floor Tile	Asbestos Present Chrysotile 6	NA	Vinyl CaCO3

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

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

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 240355	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 09/02/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 09/08/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3034

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
030a		Layered	Black Mastic	Asbestos Present Chrysotile 8	NA	Tar
031	31	Homogeneous	Tan/Brown Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
032	32	Layered	White Ceiling Tile	Asbestos Not Present	Glass Fiber 90	Paint
032a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
032b		Layered	White Plaster	Asbestos Not Present	NA	Quartz Sand
033	33	Layered	White Ceiling Tile	Asbestos Not Present	Glass Fiber 90	Paint
033a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue

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

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 240355

Account Number: B929

Date Received: 09/02/2014

Received By: Judy Rowan

Date Analyzed: 09/08/2014

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

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

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.3034

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
033b		Layered	White Plaster	Asbestos Not Present	NA	Quartz Sand
034	34	Layered	White Ceiling Tile	Asbestos Not Present	Glass Fiber 90	Paint
034a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
034b		Layered	White Plaster	Asbestos Not Present	NA	Quartz Sand
035	35	Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
035a		Layered	Dark Brown Mastic	Asbestos Not Present	NA	Glue

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

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 240355

Account Number: B929

Date Received: 09/02/2014

Received By: Judy Rowan

Date Analyzed: 09/08/2014

Analyzed By: Sandy Baker

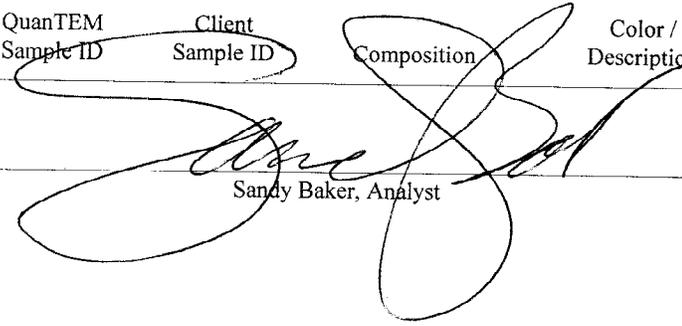
Methodology: EPA/600/R-93/116

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

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.3034

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
				9/8/2014		
Sandy Baker, Analyst				Date of Report		

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

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# ASBESTOS CHAIN OF CUSTODY

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

www.QuanTEM.com

## LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only  
 Lab No. 240355 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: 14-200-042.3034	
SAMPLED BY: <u>Dean Jacobsen</u>	Name:	P.O. Number:	

RELINQUISHED BY: <u>Dean Jacobsen</u>	DATE & TIME: <u>8/29/14 1700</u>	VIA: <u>FedEx</u>	RECEIVED BY: <u>Judy Rawan</u>	DATE & TIME: <u>9/2/14 10:30</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		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"/> Vermiculite Attic Insulation (EPA 600/R-04/004)		<input type="checkbox"/> Other	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Air- NIOSH 7402
1		<input checked="" type="checkbox"/>											<input type="checkbox"/> Rush <input type="checkbox"/> Same Day <input type="checkbox"/> 24 - Hour <input type="checkbox"/> 3 - Day <input checked="" type="checkbox"/> 5 - Day			
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>240355</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 type="checkbox"/>				
19	19	<input type="checkbox"/>				
20	20	<input type="checkbox"/>				
21	21	<input type="checkbox"/>				
22	22	<input type="checkbox"/>				
23	23	<input type="checkbox"/>				
24	24	<input type="checkbox"/>				
25	25	<input type="checkbox"/>				
26	26	<input type="checkbox"/>				
27	27	<input type="checkbox"/>				
28	28	<input type="checkbox"/>				
29	29	<input type="checkbox"/>				
30	30	<input checked="" type="checkbox"/>				



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

For Lab Use Only  
 Lab No. 240355  
 Accept  Reject

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

## **IX. HMG CERTIFICATION**

# Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305  
NEW BERLIN WI 53151-2105

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

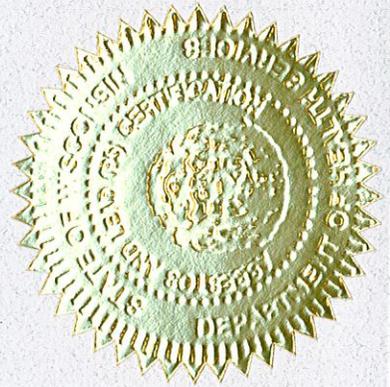
Asbestos Company - Primary

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

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



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





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

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

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

Training due by: 03/19/2015

**COPY**



**LEAD BASED PAINT  
INSPECTION REPORT**

**Job Site:**

**Mixed Use Building  
3430 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.: 14-200-042.3430L  
Contract No.: 360-14-0745**

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

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

**Prepared by:**

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

**September 2014**

**TABLE OF CONTENTS**

I. Introduction ..... 2

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A. Summary

B. Tests Results of Components

C. Summary of OSHA Lead Based Paint Regulations

D. Summary of Wisconsin Department of Natural Resources Information

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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: **3430 West Center Street, Milwaukee, Wisconsin, mixed use 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 August 27, 2014. Samples of paint were collected from masonry surfaces (concrete) 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 DHS 163 Standard of 0.06% lead.
- Negative:** Any result at or below the DHS 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: 3430 West Center Street**

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

#### **Interior: 3430 West Center Street**

- **Interior masonry surfaces were not painted.**

Reference Test Results of Components below.

## B. Test Results of Components:

Site: 3430 West Center Street, Milwaukee, Wisconsin

Date: 8/27/14

Paint Testing Results						
Sample	Location	Component & Feature	Substrate	Color	PbC (%)	Result
1L	Exterior	East Wall	Concrete	Brown	<0.0047	Negative
2L	Exterior	East Wall	Concrete	Gray	<0.005	Negative
3L	Exterior	East Wall	Concrete	Red	<0.0074	Negative
4L	Exterior	East Wall	Concrete	White	<0.005	Negative
5L	Exterior	East Wall	Concrete	Tan	<0.0045	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.

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 the 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:** 240349  
**Date Received:** 09/02/14  
**Received By:** Joanna Mueller  
**Date Sampled:**  
**Time Sampled:**  
**Analyst:** BM  
**Date of Report:** 9/9/2014

**Client:** Harenda Management Group  
Dean Jacobsen  
1237 West Bruce St.  
Milwaukee, WI 53204  
**Acct. No.:** B929  
**Project:** DNS  
**Location:** Milwaukee, WI  
**Project No.:** 14-200-042.3034

AIHA ID: 101352

QuanTEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	1L	Paint	Lead	<0.00477	0.00477	%	09/08/14 14:10	P EPA 7000B (1)
002	2L	Paint	Lead	<0.00500	0.005	%	09/08/14 14:10	P EPA 7000B (1)
003	3L	Paint	Lead	<0.00740	0.0074	%	09/08/14 14:10	P EPA 7000B (1)
004	4L	Paint	Lead	<0.00502	0.00502	%	09/08/14 14:10	P EPA 7000B (1)
005	5L	Paint	Lead	<0.00459	0.00459	%	09/08/14 14:10	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



www.QuanTEM.com

**LEAD CHAIN OF CUSTODY**

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**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

**Contact Information**

Company: **Harenda Management Group** Phone: **(414) 383-4800**

Contact: **Dean Jacobsen** Cell Phone: \_\_\_\_\_

Account #: **B929** E-mail: **djacobsen@harenda.com**

**Project Information**

Project Name: **DNS**

Project Location: **Milwaukee, WI**

Project ID: **14-200-042.3034**

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

RELINQUISHED BY: *[Signature]* DATE & TIME: **8/29/14 1700** VIA: **FedEx**

RECEIVED BY: *[Signature]* DATE & TIME: **9/2/14 10:30**

**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)							
							PPM	Wt %	mg / l	µg / ft <sup>2</sup>	µg / m <sup>2</sup>	mg / cm <sup>2</sup>		
1	1L				B	Pb	X							
2	2L													
3	3L													
4	4L													
5	5L													
6														
7														
8														
9														
10														
11														
12														

**Sample Matrix Codes**

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	<input checked="" type="checkbox"/>

Page 1 of 1

For Lab Use Only

Lab No. **240349**

Accept  Reject

Report Results ( one box)

**Quantem Website**

Other email \_\_\_\_\_



**ASBESTOS INSPECTION REPORT**

**Job Site:**

**Mixed Use Building  
3718 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.: 14-200-042.3718  
Contract No.: 360-14-0745**

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

Dean Jacobsen  
Asbestos Inspector No. AII – 14370

**Prepared by:**

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

**September 2014**

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## I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the building at 3718 West Center Street, Milwaukee, Wisconsin.

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

## II. BUILDING SURVEY

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

**On August 18, 2014 HMG conducted an asbestos inspection of a mixed use building, scheduled for mechanical demolition, located at 3718 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, stucco, texture, tar paper, window glazing compound, linoleum, drywall/joint compound, and ceramic tile. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – east wall – stucco	Negative	N/A	STC
2	Exterior – west wall – stucco	Negative	N/A	STC
3	Exterior – south wall – stucco	Negative	N/A	STC
4	1 <sup>st</sup> floor – store area – ceiling – texture	Negative	N/A	STX
5	1 <sup>st</sup> floor – store area – ceiling – texture	Negative	N/A	STX
6	2 <sup>nd</sup> floor – dining room – east wall – texture	Negative	N/A	STX
7	2 <sup>nd</sup> floor – living room – north wall – texture	Negative	N/A	STX
8	2 <sup>nd</sup> floor – hall – west wall – texture	Negative	N/A	STX
9	1 <sup>st</sup> floor – store area – ceiling – plaster	Negative	N/A	SPI
10	Basement – stair – east wall – plaster	Negative	N/A	SPI
11a	2 <sup>nd</sup> floor – dining room – west wall – patch layer	Negative	N/A	SPI
11b	2 <sup>nd</sup> floor – dining room – west wall – plaster	Negative	N/A	SPI
12a	2 <sup>nd</sup> floor – living room – ceiling – patch layer	Negative	N/A	SPI
12a	2 <sup>nd</sup> floor – living room – ceiling – plaster	Negative	N/A	SPI
13	2 <sup>nd</sup> floor – hall – west wall – plaster	Negative	N/A	SPI
14	1 <sup>st</sup> floor – store area – west side – tar paper	Negative	N/A	MPT
15	1 <sup>st</sup> floor – store area – east side – tar paper	Negative	N/A	MPT
16	2 <sup>nd</sup> floor – kitchen – tar paper	Negative	N/A	MPT
17	2 <sup>nd</sup> floor – kitchen – on window – glazing compound	Positive 3% Chrysotile	22 Windows	MPG
18	2 <sup>nd</sup> floor – dining room – on window – glazing compound	Positive 3% Chrysotile	Reference Sample 17	MPG
19	1 <sup>st</sup> floor – bathroom – on window – glazing compound	Positive 3% Chrysotile	Reference Sample 17	MPG
20a	2 <sup>nd</sup> floor – hall – black linoleum	Negative	N/A	MFLk
20b	2 <sup>nd</sup> floor – hall – under linoleum – paper insulation	Negative	N/A	MFLk
21	2 <sup>nd</sup> floor – bedroom – ceiling – drywall	Negative	N/A	MDW
22	2 <sup>nd</sup> floor – bathroom floor – white ceramic tile	Negative	N/A	MCTMw

Notes: N/A = Not Applicable

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

Floor Level	Location	Description	Approximate Quantity
Roof	Building	Built up Roofing & Flashing	1,000 Sq. Ft.
1 <sup>st</sup>	Store Area/Bathroom	Floor & Wall Mastic	700 Sq. Ft.
1 <sup>st</sup>	Bathroom	Floor Tile & Mastic	140 Sq. Ft.
2 <sup>nd</sup>	Bathroom/Hall	Floor & Wall Mastic	150 Sq. Ft.

### Homogeneous Material Codes

SPL	Plaster
STC	Stucco
STX	Texture
MPT	Tar Paper
MPG	Glazing Compound
MFLk	Black Linoleum
MDW	Drywall
MCTMw	White Ceramic Tile

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

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

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

## V. EXCLUSIONS

**No access to 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>1</u>	Fluorescent Lights – Store Area
<u>N/A</u>	High Intensity Discharge – Exterior -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>1</u>	Light Ballasts – Store Area
<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

\* 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. 239824

Account Number: B929

Date Received: 08/21/2014

Received By: Judy Rowan

Date Analyzed: 08/25/2014

Analyzed By: Shweta Harankhedkar

Methodology: EPA/600/R-93/116

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

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.3718

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

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

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



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### Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 239824	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 08/21/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 08/25/2014	Project: DNS
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3718

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
009	9	Homogeneous	Tan Plaster	Asbestos Not Present	Hair <1	Quartz Gypsum Paint
010	10	Homogeneous	Tan Plaster	Asbestos Not Present	NA	Quartz Gypsum Paint
011	11	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
011a		Layered	Light Gray Plaster	Asbestos Not Present	Hair 2	Quartz Gypsum Paint
012	12	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
012a		Laycred	Light Gray Plaster	Asbestos Not Present	NA	Quartz Gypsum CaCO3

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### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 239824

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Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Dean Jacobsen

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.3718

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013	13	Homogeneous	Light Gray Plaster	Asbestos Not Present	Cellulose 10	Quartz Gypsum CaCO3
014	14	Homogeneous	Gray Backing	Asbestos Not Present	Cellulose 95	Binder
015	15	Homogeneous	Gray Backing	Asbestos Not Present	Cellulose 90	CaCO3 Binder
016	16	Homogeneous	Gray Backing	Asbestos Not Present	Cellulose 98	Binder
017	17	Homogeneous	White Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3 Paint
018	18	Homogeneous	White Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3 Paint
019	19	Homogeneous	White Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3 Paint

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

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

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.3718

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020	20	Layered	Cream Linoleum	Asbestos Not Present	NA	Cork Tar
020a		Layered	Brown Backing Paper	Asbestos Not Present	Cellulose 70	Tar
021	21	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
022	22	Homogeneous	White Ceramic Tile	Asbestos Not Present	NA	Clay

Shweta Harankhedkar, Analyst

8/25/2014

Date of Report

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

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# ASBESTOS CHAIN OF CUSTODY

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

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

For Lab Use Only	
Lab No. <u>239824</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	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"/>				Do Not Test Mastic ↓
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 checked="" type="checkbox"/>				Do Not Test Mastic ↓
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



**LEAD BASED PAINT  
INSPECTION REPORT**

**Job Site:**

**Mixed Use Building  
3742 North Teutonia 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.: 14-200-042.3742L  
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**

**October 2014**

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## I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct a preliminary survey for possible Lead Based Paint on the concrete and masonry surfaces at the following location: **3742 North Teutonia Avenue, Milwaukee, Wisconsin, mixed use 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 October 14, 2014. Samples of paint were collected from masonry surfaces (brick, concrete) 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 DHS 163 Standard of 0.06% lead.
- Negative:** Any result at or below the DHS 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: 3742 North Teutonia Avenue**

- **Painted brick and concrete were observed on the exterior walls. Lead was detected above 0.06%.**

#### **Interior: 3742 North Teutonia Avenue**

- **Painted masonry surfaces were not observed on the interior.**

Reference Test Results of Components below.

## B. Test Results of Components:

Site: 3742 North Teutonia Avenue, Milwaukee, Wisconsin

Date: 10/14/14

Paint Testing Results						
Sample	Location	Component & Feature	Substrate	Color	PbC (%)	Result
1L	Exterior	West Wall	Concrete	White	<0.0049	Negative
2L	Exterior	Carport Wall	Brick	Gray	<0.0049	Negative
3L	Exterior	Carport Wall	Brick	White	0.0859	Positive
4L	Exterior	Carport Floor	Concrete	Brown	0.0895	Positive

**The inspection did find Lead-Based Paint on the building: the white paint on the carport wall and brown paint on the carport floor are 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.

## 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**

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 the 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**



**ASBESTOS INSPECTION REPORT**

**Job Site:**

**Mixed Use Building  
3742 North Teutonia 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.: 14-200-042.3742  
Contract No.: 360-14-0745**

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

Dean Jacobsen  
Asbestos Inspector No. AII – 14370

Prepared by:

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

**October 2014**

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## I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the building at 3742 North Teutonia Avenue, Milwaukee, Wisconsin.

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

## II. BUILDING SURVEY

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

**On October 14, 2014 HMG conducted an asbestos inspection of a mixed use building, scheduled for mechanical demolition, located at 3742 North Teutonia 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, duct paper, aircell insulation, flue packing, ceiling tile, ceramic tile, linoleum, and drywall/joint compound. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Basement – on ceiling – duct paper	Positive 50% Chrysotile	200 Sq. Ft.	TDW
2	Basement – on ceiling – duct paper	Positive 50% Chrysotile	Reference Sample 1	TDW
3	Basement – debris on floor – duct paper	Positive 50% Chrysotile	30 Sq. Ft. of Floor	TDW
4	Basement – on pipes - <5” diameter aircell pipe insulation	Positive 50% Chrysotile	190 Ln. Ft.	TA5
5	Basement – on pipes - <5” diameter aircell pipe insulation	Positive 50% Chrysotile	Reference Sample 4	TA5
6	Basement – on pipes - <5” diameter aircell pipe insulation	Positive 50% Chrysotile	Reference Sample 4	TA5
7	Basement – on west side of chimney – gray flue packing	Negative	N/A	TFPy
8	Basement – on east side of chimney – light gray flue packing	Negative	N/A	TFPylight
9	Basement – on south side of chimney – dark gray flue packing	Negative	N/A	TFPydark
10	1 <sup>st</sup> floor – store – north side – 1’ x 1’ ceiling tile	Negative	N/A	MSCT11
11	1 <sup>st</sup> floor – store – south side – 1’ x 1’ ceiling tile	Negative	N/A	MSCT11
12	1 <sup>st</sup> floor – store – west side – 1’ x 1’ ceiling tile	Negative	N/A	MSCT11
13a	1 <sup>st</sup> floor – store – east wall – joint compound	Negative	N/A	MDW
13b	1 <sup>st</sup> floor – store – east wall – drywall	Negative	N/A	MDW
14a	1 <sup>st</sup> floor – back storage room – north wall – joint compound	Negative	N/A	MDW
14b	1 <sup>st</sup> floor – back storage room – north wall – drywall	Negative	N/A	MDW
16a	Basement – stair – south wall – plaster skim coat	Negative	N/A	SPI
16b	Basement – stair – south wall – plaster base coat	Negative	N/A	SPI
17a	1 <sup>st</sup> floor – store – ceiling – plaster skim coat	Negative	N/A	SPI
17b	1 <sup>st</sup> floor – store – ceiling – plaster base coat	Negative	N/A	SPI
18a	1 <sup>st</sup> floor – apartment 1 living room – east wall – patch layer	Negative	N/A	SPI
18b	1 <sup>st</sup> floor – apartment 1 living room – east wall – plaster skim coat	Negative	N/A	SPI
18c	1 <sup>st</sup> floor – apartment 1 living room – east wall – plaster base coat	Negative	N/A	SPI
19a	2 <sup>nd</sup> floor – apartment 2 hall – south wall – plaster skim coat	Negative	N/A	SPI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
19b	2 <sup>nd</sup> floor – apartment 2 hall – south wall – plaster base coat	Negative	N/A	SPI
20a	2 <sup>nd</sup> floor – apartment 2 living room – east wall – plaster skim coat	Negative	N/A	SPI
20b	2 <sup>nd</sup> floor – apartment 2 living room – east wall – plaster base coat	Negative	N/A	SPI
21a	1 <sup>st</sup> floor – bathroom floor – white and blue ceramic tile	Negative	N/A	MCTMwb
21b	1 <sup>st</sup> floor – bathroom floor – grout	Negative	N/A	MCTMwb
22	1 <sup>st</sup> floor – back storage room – under floor tile – yellow linoleum	Negative	N/A	MFLI
23	1 <sup>st</sup> floor – apartment 1 living room – west wall – texture	Negative	N/A	STX
24	1 <sup>st</sup> floor – apartment 1 living room – east wall – texture	Negative	N/A	STX
25	1 <sup>st</sup> floor – apartment 1 living room – north wall – texture	Negative	N/A	STX
<b>26</b>	<b>1<sup>st</sup> floor – apartment 1 kitchen – under floor tile and plywood – yellow and tan linoleum</b>	<b>Positive 25% Chrysotile</b>	<b>210 Sq. Ft.</b>	<b>MFLIt</b>
26B	1 <sup>st</sup> floor – apartment 1 hall – tan linoleum	Negative	N/A	MFLt
26C	2 <sup>nd</sup> floor – back hall – under floor tile – beige linoleum	Negative	N/A	MFLe
27	2 <sup>nd</sup> floor – apartment 2 living room – ceiling – texture #2	Negative	N/A	STX2
28	2 <sup>nd</sup> floor – apartment 2 bedroom – ceiling near door – texture #2	Negative	N/A	STX2
29	2 <sup>nd</sup> floor – apartment 2 bedroom – ceiling center – texture #2	Negative	N/A	STX2
30a	2 <sup>nd</sup> floor – apartment 2 - bathroom floor – white ceramic tile	Negative	N/A	MCTMw
30b	2 <sup>nd</sup> floor – apartment 2 - bathroom floor – grout	Negative	N/A	MCTMw

**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	1,700 Sq. Ft.
1 <sup>st</sup>	Store/Offices/Back Storage/Entry/Kitchen/Bathroom	Floor Tile & Mastic	1,100 Sq. Ft.
1 <sup>st</sup>	Bathroom/Hall	Floor & Wall Mastic	150 Sq. Ft.
2 <sup>nd</sup>	Back Hall/Kitchen/Hall	Floor Tile & Mastic	200 Sq. Ft.
2 <sup>nd</sup>	Bathrooms	Floor Mastic	70 Sq. Ft.

**Homogeneous Material Codes**

SPI	Plaster
STX	Texture
STX2	Texture #2
MSCT11	1' x 1' Ceiling Tile
MDW	Drywall/Joint Compound
MCTMwb	White & Blue Ceramic Tile

### Homogeneous Material Codes

MCTMw	White Ceramic Tile
MFLI	Yellow Linoleum
MFLlt	Yellow & Tan Linoleum
MFLt	Tan Linoleum
MFLe	Beige Linoleum
TA5	<5" Diameter Aircell Insulation
TDW	Duct Paper
TFPy	Gray Flue Packing
TFPyLight	Light Gray Flue Packing
TFPydark	Dark Gray Flue Packing

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

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

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

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

## V. EXCLUSIONS

**2<sup>nd</sup> floor apartment 3 living room and bedroom floors water damaged and unsafe – rooms 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>34</u>	Fluorescent Lights – Store, Offices, Back Storage, Basement, Exterior
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

### HVAC

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

### HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

<u>1</u>	Old Thermostats – Store
<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 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>5</u>	Light Ballasts – Office, Basement, Exterior
<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

\* 4 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. 242786	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 10/17/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 10/20/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3742

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 50	Cellulose 40	Binder
002	2	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 50	Cellulose 40	Binder
003	3	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 50	Cellulose 40	Binder
004	4	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 50	Cellulose 40	Binder
005	5	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 50	Cellulose 40	Binder
006	6	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 50	Cellulose 40	Binder
007	7	Homogeneous	Gray Grout	Asbestos Not Present	NA	Quartz Clay

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

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



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

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 242786	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 10/17/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 10/20/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3742

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Gray Grout	Asbestos Not Present	NA	Quartz Clay
009	9	Homogeneous	Gray Grout	Asbestos Not Present	NA	Quartz Clay
010	10	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
011	11	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
012	12	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
013	13	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
013a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum

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

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

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 242786	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 10/17/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 10/20/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3742

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Layered	White Joint Compound	Asbestos Not Present	Glass Fiber 25	CaCO3 Paint
014a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
015	16	Layered	Light Gray Skim Coat	Asbestos Not Present	NA	Quartz Sand Paint
015a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
016	17	Layered	Tan Skim Coat	Asbestos Not Present	NA	Quartz Sand Paint
016a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
017	18	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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

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**Polarized Light Microscopy Asbestos Analysis Report**

QuanTEM Lab No. 242786	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 10/17/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 10/20/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3742

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
017a		Layered	Light Gray Skim Coat	Asbestos Not Present	NA	Quartz Sand
017b		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
018	19	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
018a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
019	20	Layered	Light Gray Skim Coat	Asbestos Not Present	NA	Quartz Sand Paint
019a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
020	21	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay

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

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

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 242786	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 10/17/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 10/20/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3742

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020a		Layered	Dark Green Grout	Asbestos Not Present	NA	Quartz Clay
021	22	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 10 Glass Fiber 10	Vinyl Foam
022	23	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
023	24	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
024	25	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
025	26	Homogeneous	Light Brown Sheet Vinyl	Asbestos Present Chrysotile 25	Cellulose 5	Vinyl Foam
026	26B	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 25 Glass Fiber 5	Vinyl Foam

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

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



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### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 242786	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 10/17/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 10/20/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3742

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
027	26C	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 25 Glass Fiber 5	Vinyl Foam
028	27	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
029	28	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
030	29	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
031	30	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
031a		Layered	Gray Grout	Asbestos Not Present	NA	Quartz Clay

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

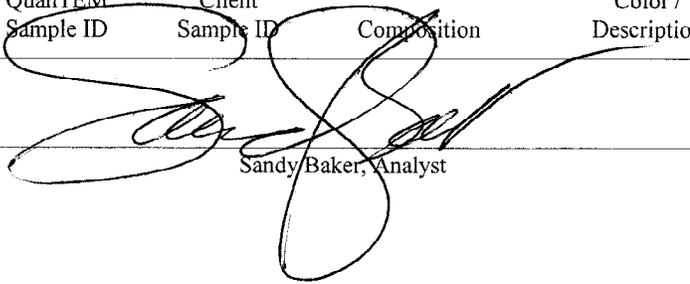
QuanTEM is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP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



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### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No.	242786	Client:	Harenda Management Group
Account Number:	B929		Dean Jacobsen
Date Received:	10/17/2014		1237 West Bruce St.
Received By:	Judy Rowan		Milwaukee, WI 53204
Date Analyzed:	10/20/2014	Project:	DNS
Analyzed By:	Sandy Baker	Project Location:	Milwaukee, WI
Methodology:	EPA/600/R-93/116	Project Number:	14-200-042.3742

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
				10/20/2014		
Sandy Baker, Analyst				Date of Report		

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

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



# ASBESTOS CHAIN OF CUSTODY

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www.QuanTEM.com

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

For Lab Use Only  
 Lab No. 242 786  
 Accept  Reject

Report Results  (one box)  
 QuanTEM Website  
 Other\_email

**Contact Information**  
 Company: Harenda Management Group  
 Contact: Dean Jacobsen  
 Account #: B929  
 Phone: (414) 383-4800  
 Cell Phone:  
 E-mail: djacobsen@harenda.com  
 Date:  
 Project Name: DNS  
 Project Location: Milwaukee, WI  
 Project ID: 14-200-042.3742  
 P.O. Number:

**Project Information**  
 Project Name: DNS  
 Project Location: Milwaukee, WI  
 Project ID: 14-200-042.3742  
 P.O. Number:

**SAMPLED BY:** [Signature] **NAME:** [Signature] **DATE & TIME:** 10/10/14 1820  
**RELINQUISHED BY:** [Signature] **DATE & TIME:** 10/17/14 9:45  
**VIA:** Judy Rowan **RECEIVED BY:** [Signature]

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

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

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



# ASBESTOS CHAIN OF CUSTODY

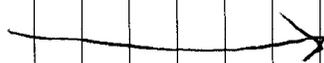
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 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

For Lab Use Only
Lab No. <u>242786</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"/>				
15	16	<input type="checkbox"/>				
16	17	<input type="checkbox"/>				
17	18	<input type="checkbox"/>				
18	19	<input type="checkbox"/>				
19	20	<input type="checkbox"/>				
20	21	<input type="checkbox"/>				
21	22	<input type="checkbox"/>				
22	23	<input type="checkbox"/>				
23	24	<input type="checkbox"/>				
24	25	<input type="checkbox"/>				
25	26	<input type="checkbox"/>				
26	26B	<input type="checkbox"/>				
27	26C	<input type="checkbox"/>				
28	27	<input type="checkbox"/>				
29	28	<input checked="" type="checkbox"/>				

Do Not Test Mustic



\* Sample #15 not submitted



# ASBESTOS CHAIN OF CUSTODY

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**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

For Lab Use Only
Lab No. <u>242 786</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

Project Information		Project Name: DNS		Project Location: Milwaukee, WI		
Company: Harenda Management Group		Project Name: DNS		Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
30	29	<input checked="" type="checkbox"/>				
31	30	<input checked="" type="checkbox"/>				Do Not Test Mastic
33		<input type="checkbox"/>				
34		<input 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

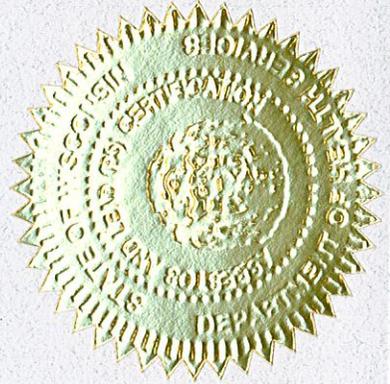
Asbestos Company - Primary

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

**COPY**



**ASBESTOS INSPECTION REPORT**

**Job Site:**

**Four Family Dwelling  
2028 West Wright 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.: 14-200-042.2028  
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**

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## I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2028 West Wright Street, Milwaukee, Wisconsin.

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

## II. BUILDING SURVEY

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

**On May 29, 2014 HMG conducted an asbestos inspection of a four family dwelling, scheduled for mechanical demolition, located at 2028 West Wright Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.**

The inspection was comprised of three elements:

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

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

## III. THE LABORATORY

### A. METHOD OF ANALYSIS

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

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

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

#### IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1a	Exterior – east wall stucco patch skim coat	Negative	N/A	STC
1b	Exterior – east wall stucco patch base coat	Negative	N/A	STC
2a	Exterior – east wall stucco patch skim coat	Negative	N/A	STC
2b	Exterior – east wall stucco patch base coat	Negative	N/A	STC
3a	Exterior – east wall stucco patch skim coat 1	Negative	N/A	STC
3b	Exterior – east wall stucco patch skim coat 2	Negative	N/A	STC
3c	Exterior – east wall stucco patch base coat	Negative	N/A	STC
4	<b>Basement – on round duct – duct paper</b>	<b>Positive 75% Chrysotile</b>	<b>300 Sq. Ft.</b>	<b>TDW</b>
5	<b>Basement – on square duct – duct paper</b>	<b>Positive 75% Chrysotile</b>	<b>Reference Sample 4</b>	<b>TDW</b>
6	<b>Basement – on rectangular duct – duct paper</b>	<b>Positive 75% Chrysotile</b>	<b>Reference Sample 4</b>	<b>TDW</b>
7	2 <sup>nd</sup> floor – apartment 4 living room – south wall – plaster	Negative	N/A	SPI
8	2 <sup>nd</sup> floor – apartment 3 – kitchen – east wall – plaster	Negative	N/A	SPI
9a	2 <sup>nd</sup> floor – stair – east wall – patch layer	Negative	N/A	SPI
9b	2 <sup>nd</sup> floor – stair – east wall – plaster	Negative	N/A	SPI
10	1 <sup>st</sup> floor – apartment 2 kitchen – west wall – plaster	Negative	N/A	SPI
11a	1 <sup>st</sup> floor – apartment bedroom – north wall – patch layer	Negative	N/A	SPI
11b	1 <sup>st</sup> floor – apartment bedroom – north wall – plaster	Negative	N/A	SPI
12a	2 <sup>nd</sup> floor – stair – south wall – joint compound	Negative	N/A	MDW
12b	2 <sup>nd</sup> floor – stair – south wall – drywall	Negative	N/A	MDW
13a	1 <sup>st</sup> floor – apartment 2 hall – west wall – joint compound	Negative	N/A	MDW
13b	1 <sup>st</sup> floor – apartment 2 hall – west wall – drywall	Negative	N/A	MDW
14a	1 <sup>st</sup> floor – apartment 2 hall – west wall – joint compound	Negative	N/A	MDW
14b	1 <sup>st</sup> floor – entry – east wall – drywall	Negative	N/A	MDW

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

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

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Built up Roofing & Flashing	1,100 Sq. Ft.
1 <sup>st</sup>	Kitchens/Living Rooms/ Bedrooms/Bathrooms/Hall	Floor Tile & Mastic	1,100 Sq. Ft.
2 <sup>nd</sup>	Kitchens/Living Room/ Bedroom/Bathrooms/Hall	Floor Tile & Mastic	700 Sq. Ft.

#### Homogeneous Material Codes

SPI	Plaster
STC	Stucco
MDW	Drywall/Joint Compound
TDW	Duct Paper

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

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

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

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

## V. EXCLUSIONS

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

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

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

## VI. LIMITATIONS

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

opportunity to review such plans in order that the inspection and assessments contained herein are properly interpreted and implemented.

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

## VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

## **ASBESTOS**

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

## **CFCs and HALONS**

Equipment that may contain CFCs and Halons:

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

## **LEAD**

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

## **MERCURY**

Products that may contain mercury:

### **LIGHTING**

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

### **HVAC**

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

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

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

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

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

## **ELECTRICAL SYSTEMS**

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

### **PCBs**

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

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

## **OTHER ENVIRONMENTAL ISSUES**

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

\* 5 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. 236054	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: 14-200-042.2028

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Layered	Gray Stucco	Asbestos Not Present	NA	Sand CaCO3
001a		Layered	White Stucco	Asbestos Not Present	NA	Sand CaCO3
002	2	Layered	Tan Stucco	Asbestos Not Present	NA	Sand CaCO3
002a		Layered	White Stucco	Asbestos Not Present	NA	Sand CaCO3
003	3	Layered	Tan Stucco	Asbestos Not Present	NA	Sand CaCO3
003a		Layered	Gray Stucco	Asbestos Not Present	NA	Sand CaCO3
003b		Layered	White Stucco	Asbestos Not Present	NA	Sand CaCO3

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

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



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

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 236054	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: 14-200-042.2028

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
004	4	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 75	Cellulose 10	Binder
005	5	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 75	Cellulose 10	Binder
006	6	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 75	Cellulose 10	Binder
007	7	Homogeneous	White Plaster	Asbestos Not Present	NA	Gypsum Perlite Mica
008	8	Homogeneous	White Plaster	Asbestos Not Present	NA	Gypsum Perlite Mica
009	9	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum
009a		Layered	White Plaster	Asbestos Not Present	NA	Gypsum Perlite Mica

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

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

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 236054	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: 14-200-042.2028

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010	10	Homogeneous	White Plaster	Asbestos Not Present	NA	Gypsum Perlite Mica
011	11	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum
011a		Layered	White Plaster	Asbestos Not Present	NA	Gypsum Perlite Mica
012	12	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Perlite
012a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 5	Gypsum
013	13	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Perlite

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. 236054

Account Number: B929

Date Received: 05/30/2014

Received By: Joanna Mueller

Date Analyzed: 06/04/2014

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: HA

Project Location: Milwaukee, WI

Project Number: 14-200-042.2028

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 2	Gypsum
014	14	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Perlite
014a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 2	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.



# 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: <b>Harenda Management Group</b> Contact: <b>Dean Jacobsen</b> Account #: <b>B929</b> Phone: <b>(414) 383-4800</b> Cell Phone: E-mail: <b>djacobsen@harenda.com</b> Date:		<b>Project Information</b> Project Name: <b>HA</b> Project Location: <b>Milwaukee, WI</b> Project ID: <b>14-200-042.2028</b> P.O. Number:	
---	--	---	--

For Lab Use Only  
 Lab No. **236004**  
 Accept  Reject

Report Results  one box  
 QuanTEM Website  
 Other email

RELINQUISHED BY <i>Dean Jacobsen</i>	DATE & TIME <b>5/29/14 8:20</b>	VIA <b>FedEx</b>	RECEIVED BY <i>G Mueller</i>	DATE & TIME <b>5-30-14 9:47</b>
---	------------------------------------	---------------------	---------------------------------	------------------------------------

### REQUESTED SERVICES (Please the Appropriate Boxes)

PLM	PLM	TEM	TEM	TEM	TURNAROUND TIME
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> 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 <input checked="" type="checkbox"/>	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**

For Lab Use Only
Lab No. <u>236054</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)	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11				
12	12				
13	13				
14	14				
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

## **IX. HMG CERTIFICATION**

# Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305  
NEW BERLIN WI 53151-2105

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

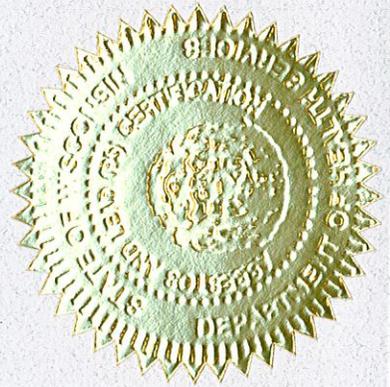
Asbestos Company - Primary

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

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



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





**ASBESTOS INSPECTOR**

Issued By

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

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

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

Training due by: 03/19/2015



**LEAD BASED PAINT  
INSPECTION REPORT**

**Job Site:**

**Four Family Dwelling  
2028 West Wright 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.: 14-200-042.2028L  
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**

**June 2014**

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## 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: **2028 West Wright Street, Milwaukee, Wisconsin, four family dwelling.** 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: 2028 West Wright Street**

- **Painted brick was observed on the exterior walls. Lead was detected in the red paint above 0.06%.**

#### **Interior: 2028 West Wright Street**

**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: 2028 West Wright Street, Milwaukee, Wisconsin

Date: 5/29/14

Paint Testing Results						
Sample	Location	Component & Feature	Substrate	Color	PbC (%)	Result
1L	Basement	Wall	Block	White	<0.0049	Negative
2L	Exterior	Wall	Brick	Red	0.217	Positive
3L	Exterior	Wall	Brick	Tan	0.0268	Negative

The inspection did find Lead-Based Paint on the building:

- Exterior Red Paint on Brick Wall

All other painted masonry surfaces tested 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.

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

<b>QuantEM Set ID:</b> 236058	<b>Client:</b> Harenda Management Group
<b>Date Received:</b> 05/30/14	Jolene Harenda
<b>Received By:</b> Sherrie Leftwich	1237 West Bruce St.
<b>Date Sampled:</b>	Milwaukee, WI 53204
<b>Time Sampled:</b>	<b>Acct. No.:</b> B929
<b>Analyst:</b> BM	<b>Project:</b> DNS
<b>Date of Report:</b> 6/3/2014	<b>Location:</b> Milwaukee, WI
	<b>Project No.:</b> 14-200-042.2028

AIHA ID: 101352

QuantEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	1L	Paint	Lead	<0.00494	0.00494	%	06/03/14 12:45	P EPA 7000B (1)
002	2L	Paint	Lead	0.217	0.00494	%	06/03/14 12:45	P EPA 7000B (1)
003	3L	Paint	Lead	0.0268	0.00448	%	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



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**

<b>Contact Information</b> Company: <b>Harenda Management Group</b> Contact: <b>Dean Jacobsen</b> Account #: <b>B929</b>		<b>Project Information</b> Project Name: <b>DNS</b> Project Location: <b>Milwaukee, WI</b> Project ID: <b>14-200-042.2028</b>	
Phone: <b>(414) 383-4800</b> Cell Phone: E-mail: <b>djacobsen@harenda.com</b>	Name: Date:	Report Results ( <input checked="" type="checkbox"/> one box ) <b>QuantEM Website</b>	Other email:

For Lab Use Only  
 Lab No. **236058**  
 Accept  Reject

RELINQUISHED BY <i>[Signature]</i>	DATE & TIME <b>5/29/14 1800</b>	VIA <b>FEDEX</b>	RECEIVED BY <b>S. HAWK</b>	DATE & TIME <b>5/30/14 9:45</b>
---------------------------------------	------------------------------------	---------------------	-------------------------------	------------------------------------

**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	
							PPM	mg / l	µg / ft <sup>2</sup>	µg / m <sup>3</sup>	mg / cm <sup>2</sup>		
1	1L				β	Pb	X					A	Soil
2	2L											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	X
5 - Day	