



ASBESTOS INSPECTION REPORT

Job Site:

**One Family Dwelling
2228 North 7th Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 16-400-014.2228
Contract No.: 360-16-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

March 2016

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for suspect asbestos containing materials in the dwelling at 2228 North 7th Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On March 1, 2016, HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 2228 North 7th Street, Milwaukee, Wisconsin. The inspection was conducted by Damian Rogowski, Wisconsin License No. AII – 161300.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Bold values below indicate that the material contains more than 1% asbestos. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, tar paper, window glazing compound, caulk, flue packing, floor tile, drywall/joint compound, linoleum, ceramic tile, stair tread, roofing, floor tile, and mastics. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1	Exterior – north wall – under wood siding – tar paper	Negative	MPT
2	Exterior – west wall – under wood siding – tar paper	Negative	MPT
3	Exterior – south wall – under wood siding – tar paper	Negative	MPT
4	1 st floor – on north window – glazing compound	Negative	MBI
5	Basement – on west window – glazing compound	Negative	MBI
6	2 nd floor – on south window – glazing compound	Negative	MBI
7	Exterior – around north window – yellow caulk	Negative	MCLKI
8	Exterior – around west window – yellow caulk	Negative	MCLKI
9	Exterior – around south window – yellow caulk	Negative	MCLKI
10a	Basement – on chimney – flue packing bottom layer	Positive 60% Chrysotile	TFP
10b	Basement – on chimney – flue packing top layer	Negative	TFP
11a	Basement – northwest – 12” white and blue floor tile	Negative	MF12wb
11b	Basement – northwest – under 12” white and blue floor tile – black mastic	Positive 5% Chrysotile	MF12wb
12a	Basement – northwest – 9” tan floor tile	Positive 6% Chrysotile	MF9t
12b	Basement – northwest – under 9” tan floor tile – black mastic	Positive 8% Chrysotile	MF9t
12b	Basement – northwest – under black mastic – leveling compound	Negative	MF9t
13a	Basement – stair – north wall – joint compound	Negative	MDW
13b	Basement – stair – north wall – drywall	Negative	MDW
14a	1 st floor – living room – east wall – joint compound	Negative	MDW
14b	1 st floor – living room – east wall – joint compound layer 2	Negative	MDW
14c	1 st floor – living room – east wall – drywall	Negative	MDW
15a	2 nd floor – west bedroom – south wall – joint compound	Negative	MDW
15b	2 nd floor – west bedroom – south wall – joint compound layer 2	Negative	MDW
15c	2 nd floor – west bedroom – south wall – drywall	Negative	MDW
16a	Basement – ceiling – plaster skim coat	Negative	SPI

Sample #	Location and Description	Results	Homogeneous Code
16b	Basement – ceiling – plaster base coat	Negative	SPI
17a	1 st floor – dining room – north wall – plaster skim coat	Negative	SPI
17b	1 st floor – dining room – north wall – plaster base coat	Negative	SPI
17c	1 st floor – dining room – north wall – drywall	Negative	SPI
18a	2 nd floor – family room – west wall – joint compound layer	Negative	SPI
18b	2 nd floor – family room – west wall – plaster skim coat	Negative	SPI
18c	2 nd floor – family room – west wall – plaster base coat	Negative	SPI
19a	2 nd floor – northeast closet – north wall – joint compound layer	Negative	SPI
19b	2 nd floor – northeast closet – north wall – plaster skim coat	Negative	SPI
20a	2 nd floor – northwest closet – north wall – joint compound layer	Negative	SPI
20b	2 nd floor – northwest closet – north wall – plaster skim coat	Negative	SPI
21	Basement – stair under floor tile – yellow linoleum	Positive 35% Chrysotile	MFLI
22a	1 st floor – kitchen – north side under floor tile – white and red linoleum	Negative	MFLwr
22b	1 st floor – kitchen – north side under white and red linoleum – felt paper	Negative	MFLwr
23	1 st floor – kitchen – east side under floor tile – white and red linoleum	Negative	MFLwr
24a	1 st floor – kitchen – west side under floor tile – white and red linoleum	Negative	MFLwr
24b	1 st floor – kitchen – west side under white and red linoleum – felt paper	Negative	MFLwr
25a	1 st floor – bathroom – on walls – white ceramic tile	Negative	MCTMw
25b	1 st floor – bathroom – on walls – grout	Negative	MCTMw
25c	1 st floor – bathroom – on walls – under white ceramic tile – mastic	Negative	MCTMw
26	2nd floor – stair – under floor tile – gold linoleum	Positive 30% Chrysotile	MFLd
27	2 nd floor – stair – on gold linoleum – stair tread	Negative	MST
27	2 nd floor – stair – under stair tread – mastic	Negative	MST
28	2 nd floor – north closet – black linoleum	Negative	MFLk

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

Material	Homogeneous Code	Location	Approximate Quantity
Flue Packing	TFP	Basement on Chimney	4 Sq. Ft.
Black Mastic Under 12" White & Blue Floor Tile	MF12wb	Basement Northwest on Concrete	140 Sq. Ft.
9" Tan Floor Tile & Black Mastic	MF9t	Basement Northwest on Concrete	24 Sq. Ft.
Yellow Linoleum	MFLI	Basement Stair Under Floor Tile	120 Sq. Ft.
Gold Linoleum	MFLd	2 nd Floor Stair Under Floor Tile	120 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	900 Sq. Ft.
1 st	Bathroom/Stair	Floor Tile & Mastic	500 Sq. Ft.
2 nd	Family Room/Stair/Hall/Bathroom	Floor Tile & Mastic	450 Sq. Ft.

Homogeneous Material Codes

SP1	Plaster
MPT	Tar Paper
MPG	Glazing Compound
MCLK1	Yellow Caulk
MF12wb	12” White & Blue Floor Tile
MF9t	9” Tan Floor Tile
MDW	Drywall/Joint Compound
MFLI	Yellow Linoleum
MFLwr	White & Red Linoleum
MFLd	Gold Linoleum
MFLk	Black Linoleum
MCTMw	White Ceramic Tile
MST	Stair Tread
TFP	Flue Packing

Note#1: The floor tile/mastic in the basement, flue packing, and linoleums are friable and category II non-friable materials and must be abated by a Wisconsin certified asbestos company prior to demolition. Asphalt roofing and floor tile/mastic on wood are category I non friable materials and may remain on the building if the demolition debris will be disposed at a Wisconsin licensed landfill.

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

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

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

V. EXCLUSIONS

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

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

This report represents the condition of the building and its visible/accessible suspect asbestos containing materials at the date and the times of the onsite inspection. Hidden materials or those

materials that could be present at the point of inspection, over and above those stated in the inspection report, are the responsibility of the building owner and the demolition contractor.

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS – 2 Breaker Boxes in Basement

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

PCBs

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

<u>N/A</u>	Transformers
<u>N/A</u>	Capacitors (appliances, electronic equipment)
<u>N/A</u>	Heat Transfer Equipment
<u>N/A</u>	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 Water Meter & 1 Gas Meter in Basement

* 10 Gallons Paint Exterior

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 260492	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/02/2016	1237 West Bruce St.
Received By: Rachel Brooks	Milwaukee, WI 53204
Date Analyzed: 03/07/2016	Project: DNS
Analyzed By: Dee Ammerman	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2228

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Tan Paper	Asbestos Not Present	Cellulose 100	
002	2	Homogeneous	Tan Paper	Asbestos Not Present	Cellulose 100	
003	3	Homogeneous	Tan Paper	Asbestos Not Present	Cellulose 100	
004	4	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3 Binder
005	5	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3 Binder
006	6	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3 Binder
007	7	Homogeneous	Yellow Window Glazing	Asbestos Not Present	Talc <1	CaCO3 Binder

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

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



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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Yellow Window Glazing	Asbestos Not Present	Talc <1	CaCO3 Binder
009	9	Homogeneous	Yellow Window Glazing	Asbestos Not Present	Talc <1	CaCO3 Binder
010	10	Layered	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
010a		Layered	Gray Concrete	Asbestos Not Present	NA	CaCO3 Sand
011	11	Layered	Tan Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
011a		Layered	Black Mastic	Asbestos Present Chrysotile 5	NA	Tar Glue

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012	12	Layered	Brown Floor Tile	Asbestos Present Chrysotile 6	NA	CaCO3 Vinyl
012a		Layered	Black Mastic	Asbestos Present Chrysotile 8	NA	Tar
012b		Layered	Gray Leveling Compound	Asbestos Not Present	NA	CaCO3 Sand
013	13	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
013a		Layered	White Sheetrock	Asbestos Not Present	Cellulose Glass Fiber 15	Gypsum 2
014	14	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
014a		Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15 Glass Fiber 5	Gypsum
015	15	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
015a		Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
015b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15 Glass Fiber 5	Gypsum
016	16	Layered	Gray Skim Coat	Asbestos Not Present	NA	CaCO3 Sand
016a		Layered	Gray Plaster	Asbestos Not Present	Hair <1	CaCO3 Sand Gypsum

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
017	17	Layered	Gray Skim Coat	Asbestos Not Present	NA	CaCO3 Sand
017a		Layered	Gray Plaster	Asbestos Not Present	Cellulose Hair	2 CaCO3 2 Sand Gypsum
017b		Layered	White Sheetrock	Asbestos Not Present	Cellulose	20 Gypsum
018	18	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
018a		Layered	Gray Skim Coat	Asbestos Not Present	NA	CaCO3 Sand
018b		Layered	Gray Plaster	Asbestos Not Present	Cellulose Hair	2 CaCO3 2 Sand Gypsum
019	19	Layered	Gray Skim Coat	Asbestos Not Present	NA	CaCO3 Sand

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019a		Layered	Gray Plaster	Asbestos Not Present	Cellulose 2 Hair 2	CaCO3 Sand Gypsum
020	20	Layered	Gray Skim Coat	Asbestos Not Present	NA	CaCO3 Sand
020a		Layered	Gray Plaster	Asbestos Not Present	Cellulose 2 Hair 2	CaCO3 Sand Gypsum
021	21	Homogeneous	Tan Sheet Vinyl	Asbestos Present Chrysotile 35	Cellulose 20	CaCO3 Vinyl
022	22	Layered	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 30	CaCO3 Vinyl
022a		Layered	Black Felt	Asbestos Not Present	Cellulose 70	Tar

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023	23	Layered	White Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
023a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
023b		Layered	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 30	CaCO3 Vinyl
024	24	Layered	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 30	CaCO3 Vinyl
024a		Layered	Black Felt	Asbestos Not Present	Cellulose 70	Tar
025	25	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay Sand
025a		Layered	White Grout	Asbestos Not Present	NA	CaCO3 Sand

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
025b		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
026	26	Homogeneous	Yellow Sheet Vinyl	Asbestos Present Chrysotile 30	Cellulose 20	CaCO3 Vinyl
027	27	Layered	Gray Flooring	Asbestos Not Present	NA	Vinyl CaCO3
027a		Layered	Black Mastic	Asbestos Not Present	Cellulose 3	Tar
028	28	Homogeneous	White Sheet Vinyl	Asbestos Not Present	Cellulose 30	CaCO3 Vinyl Tar

Dee Ammerman, Analyst

3/7/2016

Date of Report

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

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



ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No.	<u>210492</u>
<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Reject

Contact Information		Project Information		Report Results (<input checked="" type="checkbox"/> one box)	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS		<input checked="" type="checkbox"/> QuanTEM Website	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI		<input type="checkbox"/> Other <u>email</u>	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 16-400-014.2228			
SAMPLED BY:	Name:	Date:	PO. Number:		

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Dean Jacobsen</i>	3/1/16 1700	FedEx		

REQUESTED SERVICES (Please the Appropriate Boxes)

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

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



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For Lab Use Only	
Lab No. <u>260492</u>	
<input checked="" type="radio"/> Accept	<input type="radio"/> Reject

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

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

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

1237 W BRUCE ST
MILWAUKEE WI 53204-1218

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

Asbestos Company - Primary

Certificate Issue Date: 07/29/2015
Expiration Date: 08/31/2017, 12:01 a.m.
Certification #: CAP-480540

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor

ASBESTOS INSPECTOR
Issued By
STATE OF WISCONSIN
Dept. of Health Services



Damian Scott Rogowski
140 E Davis St
Beaver Dam WI 53916-2943

		185 lbs	5' 10"
All-161300	Exp: 03/19/2016	12/01/1980	Male

Training due by: 03/19/2016

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**One Family Dwelling
2026 South 8th Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 16-400-014.2026
Contract No.: 360-16-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

March 2016

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for suspect asbestos containing materials in the dwelling at 2026 South 8th Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On March 1, 2016, HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 2026 South 8th Street, Milwaukee, Wisconsin. The inspection was conducted by Damian Rogowski, Wisconsin License No. AII – 161300.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents.

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. A point count analysis is performed for samples where the polarized light microscopy result is close to 1%. The point count is a more accurate fiber counting method and takes precedence over polarized light microscopy result. Bold values below indicate that the material contains more than 1% asbestos. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, transite, paper insulation, caulk, tar paper, window glazing compound, vermiculite insulation, linoleum, chimney pipe, drywall/joint compound, duct paper, furnace insulation, flue packing, roofing, floor tile, and mastics. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1	Exterior – west wall – transite siding	Positive 20% Chrysotile	MTP
2	Exterior – north wall – transite siding	Positive 20% Chrysotile	MTP
3	Exterior – south wall – transite siding	Positive 20% Chrysotile	MTP
4	Exterior – west wall – under transite siding – paper insulation	Negative	MPI
5	Exterior – north wall – under transite siding – paper insulation	Negative	MPI
6	Exterior – south wall – under transite siding – paper insulation	Negative	MPI
7	Exterior – west wall – under wood siding – tar paper	Negative	MPT
8	Exterior – north wall – under wood siding – tar paper	Negative	MPT
9	Exterior – south wall – under wood siding – tar paper	Negative	MPT
10	Exterior – around west door – white caulk	Positive 3% Chrysotile	MCLKw
11	Exterior – around north window – white caulk	Negative	MCLKw
12	Exterior – around south window – white caulk	Positive 4% Chrysotile	MCLKw
13	1st floor – on west window – glazing compound	Positive 5% Chrysotile	MPG
14	Basement – on north window – glazing compound	Negative	MPG
15	2 nd floor – on south window – glazing compound	Negative	MPG
16	1 st floor – living room – in west wall – vermiculite insulation	Negative	MVI
17	1 st floor – north bedroom – in north wall – vermiculite insulation	Negative	MVI

Sample #	Location and Description	Results	Homogeneous Code
18	1 st floor – living room – in south wall – vermiculite insulation	Negative	MVI
19a	1 st floor – living room west side – white linoleum	Negative	MFLw
19b	1 st floor – living room west side – under white linoleum – mastic	Negative	MFLw
20	1 st floor – living room east side – white linoleum	Negative	MFLw
21a	1 st floor – living room south side – white linoleum	Negative	MFLw
21b	1 st floor – living room south side – under white linoleum – mastic	Negative	MFLw
22	1 st floor – living room south side – brown linoleum	Negative	MFLn
23a	1 st floor – living room – south wall – plaster skim coat	Negative	SPI
23b	1 st floor – living room – south wall – plaster base coat	Negative	SPI
24a	1 st floor – kitchen – north wall – plaster skim coat	Negative	SPI
24b	1 st floor – kitchen – north wall – plaster base coat	Negative	SPI
25a	1 st floor – bathroom – ceiling – plaster skim coat	Negative	SPI
25b	1 st floor – bathroom – ceiling – plaster base coat	Negative	SPI
26a	1 st floor – hall – top layer – gold linoleum	Negative	MFLd
26b	1 st floor – hall – top layer – under gold linoleum – mastic	Negative	MFLd
27a	1 st floor – hall – bottom layer – tan linoleum	Negative	MFLd
27b	1 st floor – hall – bottom layer – under tan linoleum – mastic	Negative	MFLd
27c	1 st floor – hall – bottom layer – under mastic – tar paper	Negative	MFLd
28	1 st floor – north bedroom – top layer – yellow linoleum	Negative	MFLl
29	1 st floor – north bedroom – bottom layer – orange linoleum	Negative	MFLo
30	1st floor – living room – at east wall – chimney pipe insulation	Positive 50% Chrysotile	TCP
31a	1 st floor – kitchen – top layer – yellow and gold linoleum	Negative	MFLld
31b	1 st floor – kitchen – top layer – under yellow and gold linoleum – mastic	Negative	MFLld
31c	1 st floor – kitchen – 2 nd layer – beige linoleum	Negative	MFLe
32	1 st floor – kitchen – bottom layer – yellow and green linoleum	Negative	MFLlg
33	1 st floor – back porch – under carpet – black and red linoleum	Negative	MFLkr
34a	1 st floor – back porch – ceiling – joint compound	Positive 3% Chrysotile	MDW
34b	1 st floor – back porch – ceiling – drywall	Negative	MDW
34	COMPOSITE POINT COUNT RESULT	Trace 0.25% Chrysotile	MDW
35a	1 st floor – back porch – north wall – joint compound	Positive 3% Chrysotile	MDW
35b	1 st floor – back porch – north wall – drywall	Negative	MDW
35	COMPOSITE POINT COUNT RESULT	Trace 0.25% Chrysotile	MDW

Sample #	Location and Description	Results	Homogeneous Code
36a	1 st floor – back porch – south wall – joint compound	Positive 3% Chrysotile	MDW
36b	1 st floor – back porch – south wall – drywall	Negative	MDW
36	COMPOSITE POINT COUNT RESULT	Trace 0.5% Chrysotile	MDW
37	1 st floor – kitchen – in cabinets – multicolored linoleum	Negative	MFLm
38	Basement – gold and red linoleum	Negative	MFLdr
39a	Basement – east wall – plaster #2 skim coat	Negative	SP12
39b	Basement – east wall – plaster #2 base coat	Negative	SP12
40a	Basement – west wall – plaster #2 skim coat	Negative	SP12
40b	Basement – west wall – plaster #2 base coat	Negative	SP12
41a	Basement – south wall – plaster #2 skim coat	Negative	SP12
41b	Basement – south wall – plaster #2 base coat	Negative	SP12
42	Basement – north side on floor – duct paper	Positive 60% Chrysotile	TDW
43	Basement – east side on floor – duct paper	Positive 60% Chrysotile	TDW
44	Basement – west side on floor – duct paper	Positive 60% Chrysotile	TDW
45	Basement – south side top layer – blue linoleum	Negative	MFLb
46	Basement – south side bottom layer – gold linoleum #2	Negative	MFLd2
47	Basement – on furnace exterior – white insulation	Positive 50% Chrysotile	TFE
48	Basement – on flue pipe on floor – flue packing	Positive 30% Chrysotile	TFP

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

Material	Homogeneous Code	Location	Approximate Quantity
Transite Siding	MTP	Exterior Walls	950 Sq. Ft.
White Caulk	MCLKw	Exterior Around Doors & Windows	15 Windows & 3 Doors
Window Glazing Compound	MPG	All Floors	15 Windows
Chimney Pipe Insulation	TCP	Living Room at East Wall	3 Sq. Ft.
Duct Paper	TDW	Basement on Floor-Floor Partially Covered by Collapsing Basement South Wall	360 Sq. Ft. of Floor
Exterior Furnace Insulation	TFE	Basement on Furnace	2 Sq. Ft.
Flue Packing	TFP	Basement on Chimney	1 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	450 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MTP	Transite
MPI	Paper Insulation
MPT	Tar Paper
MCLKw	White Caulk
MPG	Glazing Compound
MVI	Vermiculite Insulation
MFLw	White Linoleum
MFLn	Brown Linoleum
MFLd	Gold Linoleum
MFLt	Tan Linoleum
MFLl	Yellow Linoleum
MFLo	Orange Linoleum
MFLld	Yellow & Gold Linoleum
MFLe	Beige Linoleum
MFLlg	Yellow & Green Linoleum
MFLkr	Black & Red Linoleum
MFLm	Multicolored Linoleum
MFLdr	Gold & Red Linoleum
MFLb	Blue Linoleum
MFLd2	Gold Linoleum #2
MDW	Drywall/Joint Compound
TCP	Chimney Pipe Insulation
TDW	Duct Paper
TFE	Exterior Furnace Insulation
TFP	Flue Packing

Note#1: The transite siding, caulk, window glazing compound, chimney insulation, duct paper, furnace insulation, and flue packing are friable and category II non-friable materials and must be abated by a Wisconsin certified asbestos company prior to demolition. Asphalt roofing is a category I non friable material and may remain on the building if the demolition debris will be disposed at a Wisconsin licensed landfill.

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

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

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

Note#5: Additional aircell and magnesia may be within walls and ceilings.

V. EXCLUSIONS

Basement south wall collapsing and partially covers floor – basement floor only partially accessible. Roof visible only from ground. Areas within walls and ceilings were not accessible. No visible or accessible areas were excluded from the scope of work.

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

<u>2</u>	Fluorescent Lights – Bathroom, Back Porch
<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 – 1 Electric Meter on Exterior. 2 Breaker Boxes in Basement

- N/A Load Meters and Supply Relays
- N/A Phase Splitters
- N/A Microwave Relays
- N/A Mercury Displacement Relays

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 260493	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/02/2016	1237 West Bruce St.
Received By: Rachel Brooks	Milwaukee, WI 53204
Date Analyzed: 03/07/2016	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2026

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Transite	Asbestos Present Chrysotile 20	NA	CaCO3
002	2	Homogeneous	Gray Transite	Asbestos Present Chrysotile 20	NA	CaCO3
003	3	Homogeneous	Gray Transite	Asbestos Present Chrysotile 20	NA	CaCO3
004	4	Homogeneous	Black/Silver Wrap	Asbestos Not Present	Cellulose 40	Tar Foil
005	5	Homogeneous	Black/Silver Wrap	Asbestos Not Present	Cellulose 40	Tar Foil
006	6	Homogeneous	Black/Silver Wrap	Asbestos Not Present	Cellulose 40	Tar Foil
007	7	Homogeneous	Black Tar Paper	Asbestos Not Present	Synthetic 60	Tar

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

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2026

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
009	9	Homogeneous	Black Tar Paper	Asbestos Not Present	Synthetic 60	Tar
010	10	Homogeneous	White Caulk	Asbestos Present Chrysotile 3	NA	CaCO3 Binder
011	11	Homogeneous	Gray Caulk	Asbestos Not Present	NA	CaCO3 Binder
012	12	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 4	NA	CaCO3
013	13	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 5	NA	CaCO3

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Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2026

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Homogeneous	Gray Window Glazing	Asbestos Not Present	NA	CaCO3
015	15	Homogeneous	Gray Window Glazing	Asbestos Not Present	NA	CaCO3
016	16	Homogeneous	Gold Insulation	Asbestos Not Present	NA	Vermiculite
017	17	Homogeneous	Gold Insulation	Asbestos Not Present	NA	Vermiculite
018	18	Homogeneous	Gold Insulation	Asbestos Not Present	NA	Vermiculite
019	19	Layered	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
019a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue

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Account Number: B929	Dean Jacobsen
Date Received: 03/02/2016	1237 West Bruce St.
Received By: Rachel Brooks	Milwaukee, WI 53204
Date Analyzed: 03/07/2016	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2026

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020	20	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
021	21	Layered	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
021a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
022	22	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 25	Tar Vinyl
023	23	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
023a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3

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

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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 260493	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/02/2016	1237 West Bruce St.
Received By: Rachel Brooks	Milwaukee, WI 53204
Date Analyzed: 03/07/2016	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2026

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
024	24	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
024a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
025	25	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
025a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
026	26	Layered	Cream Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
026a		Layered	Yellow Mastic	Asbestos Not Present	Cellulose 3	Glue
027	27	Layered	Gray Flooring	Asbestos Not Present	Cellulose 25	Vinyl Binder

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

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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 260493	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/02/2016	1237 West Bruce St.
Received By: Rachel Brooks	Milwaukee, WI 53204
Date Analyzed: 03/07/2016	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2026

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
027a		Layered	Brown Mastic	Asbestos Not Present	Cellulose 4	Glue
027b		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
028	28	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
029	29	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 25	Tar Vinyl
030	30	Homogeneous	Tan Insulation	Asbestos Present Chrysotile 50	Cellulose 50	
031	31	Layered	Tan Sheet Vinyl Backing	Asbestos Not Present	Cellulose 65	CaCO3 Binder

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 260493	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/02/2016	1237 West Bruce St.
Received By: Rachel Brooks	Milwaukee, WI 53204
Date Analyzed: 03/07/2016	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2026

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
031a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
031b		Layered	Cream Linoleum	Asbestos Not Present	Cellulose 25	Tar Vinyl
032	32	Homogeneous	Beige Linoleum	Asbestos Not Present	Cellulose 25	Tar Vinyl
033	33	Homogeneous	Gray Linoleum	Asbestos Not Present	Cellulose 25	Tar
034	34	Layered	Beige Joint Compound	Asbestos Present Chrysotile 3	NA	CaCO3
034a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
035	35	Layered	Beige Joint Compound	Asbestos Present Chrysotile 3	NA	CaCO3

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 260493	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/02/2016	1237 West Bruce St.
Received By: Rachel Brooks	Milwaukee, WI 53204
Date Analyzed: 03/07/2016	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2026

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
035a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
036	36	Layered	White Joint Compound	Asbestos Present Chrysotile 3	NA	CaCO3
036a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
037	37	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 25	Tar Vinyl
038	38	Homogeneous	Multi-Color Linoleum	Asbestos Not Present	Cellulose 25	Tar
039	39	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint

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

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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 260493	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/02/2016	1237 West Bruce St.
Received By: Rachel Brooks	Milwaukee, WI 53204
Date Analyzed: 03/07/2016	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2026

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
039a		Layered	Gray Plaster	Asbestos Not Present	Hair 3	Sand CaCO3
040	40	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
040a		Layered	Gray Plaster	Asbestos Not Present	Hair 3	Sand CaCO3
041	41	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
041a		Layered	Gray Plaster	Asbestos Not Present	Hair 3	Sand CaCO3
042	42	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
043	43	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	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. 260493	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/02/2016	1237 West Bruce St.
Received By: Rachel Brooks	Milwaukee, WI 53204
Date Analyzed: 03/07/2016	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2026

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
044	44	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
045	45	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar
046	46	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar CaCO3
047	47	Homogeneous	White Insulation	Asbestos Present Chrysotile 50	NA	Binder
048	48	Homogeneous	White Insulation	Asbestos Present Chrysotile 30	NA	Gypsum

Gayle Ooten, Analyst

3/7/2016

Date of Report

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

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



ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. <u>220493</u>	<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject

Contact Information		Project Information		Report Results (<input checked="" type="checkbox"/> one box)	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	<input checked="" type="checkbox"/> QuanTEM Website		
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	<input type="checkbox"/> Other email _____		
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 16-400-014.2026			
SAMPLED BY: Name:	Date:	P.O. Number:			

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Dean Jacobsen</i>	<u>3/1/16 1700</u>	<u>FedEx</u>	<i>[Signature]</i>	<u>10:00</u>

REQUESTED SERVICES (Please the Appropriate Boxes)

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

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



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

For Lab Use Only	
Lab No. <u>210493</u>	
<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Reject

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

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



ASBESTOS CHAIN OF CUSTODY

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

For Lab Use Only	
Lab No. <u>210493</u>	
<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Reject

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

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
31	31	<input checked="" type="checkbox"/>				
32	32	<input type="checkbox"/>				
33	33	<input type="checkbox"/>				
34	34	<input type="checkbox"/>				
35	35	<input type="checkbox"/>				
36	36	<input type="checkbox"/>				
37	37	<input type="checkbox"/>				
38	38	<input type="checkbox"/>				
39	39	<input type="checkbox"/>				
40	40	<input type="checkbox"/>				
41	41	<input type="checkbox"/>				
42	42	<input type="checkbox"/>				
43	43	<input type="checkbox"/>				
44	44	<input type="checkbox"/>				
45	45	<input type="checkbox"/>				
46	46	<input type="checkbox"/>				
47	47	<input type="checkbox"/>				
48	48	<input checked="" type="checkbox"/>				
49		<input type="checkbox"/>				
50		<input type="checkbox"/>				



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 260695	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/08/2016	1237 West Bruce St.
Received By: Rachel Brooks	Milwaukee, WI 53204
Date Analyzed: 03/08/2016	Project: 400 PTCT for 260493, DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2026

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	34	Composite	Beige/White Joint Compound / Sheetrock	Asbestos Present Chrysotile 0.25 400 Point Count	NA	
002	35	Composite	Beige/White Joint Compound / Sheetrock	Asbestos Present Chrysotile 0.25 400 Point Count	NA	
003	36	Composite	Beige/White Joint Compound / Sheetrock	Asbestos Present Chrysotile 0.50 400 Point Count	NA	

Gayle Ooten, Analyst

3/8/2016

Date of Report

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

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



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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. <u>260493</u>	
Accept	Reject

Contact Information		Project Information		Report Results (☑ one box)	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS		<input checked="" type="checkbox"/> Quantem Website	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI		<input type="checkbox"/> Other <u>email</u>	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 16-400-014.2026			
SAMPLED BY: Name:	Date:	P.O. Number:			

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	3/7/16 1535	Email	<i>[Signature]</i>	3/8 8:00

REQUESTED SERVICES (Please ☑ 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	PCM	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/> 3 - Day
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	34	<input checked="" type="checkbox"/>				composite point count
2	35	<input checked="" type="checkbox"/>				composite point count
3	36	<input checked="" type="checkbox"/>				composite point count
4		<input type="checkbox"/>				Quantem Lab #: 260493
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

1237 W BRUCE ST
MILWAUKEE WI 53204-1218

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

Asbestos Company - Primary

Certificate Issue Date: 07/29/2015
Expiration Date: 08/31/2017, 12:01 a.m.
Certification #: CAP-480540

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor

ASBESTOS INSPECTOR
Issued By
STATE OF WISCONSIN
Dept. of Health Services



Damian Scott Rogowski
140 E Davis St
Beaver Dam WI 53916-2943

		185 lbs	5' 10"
All-161300	Exp: 03/19/2016	12/01/1980	Male

Training due by: 03/19/2016

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**One Family Front Dwelling
2528 North 15th Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 15-400-004.2528F
Contract No.: 360-15-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

March 2015

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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 front dwelling at 2528 North 15th Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, fiberboard, paper insulation, drywall/joint compound, flue packing, and duct paper to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M and NR 447 of the Wisconsin Administrative Code*.

II. BUILDING SURVEY

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

On March 7, 2015, HMG conducted an asbestos inspection of a one family front dwelling, scheduled for mechanical demolition, located at 2528 North 15th Street, Milwaukee, Wisconsin. The inspection was conducted by Jazmin Spears, Wisconsin License No. AII – 111055.

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, fiberboard, paper insulation, drywall/joint compound, flue packing, and duct paper. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1	Exterior – west wall under vinyl siding – fiberboard	Negative	MFB
2	Exterior – south wall under vinyl siding – fiberboard	Negative	MFB
3	Exterior – east wall under vinyl siding – fiberboard	Negative	MFB
4	Exterior – west wall under fiberboard – paper insulation	Negative	MPI
5	Exterior – south wall under fiberboard – paper insulation	Negative	MPI
6	Exterior – east wall under fiberboard – paper insulation	Negative	MPI
7a	1 st floor – foyer – north wall – joint compound patch	Negative	SPI
7b	1 st floor – foyer – north wall – plaster skim coat	Negative	SPI
7c	1 st floor – foyer – north wall – plaster base coat	Negative	SPI
8a	2 nd floor – stair – ceiling – joint compound patch	Negative	SPI
8b	2 nd floor – stair – ceiling – plaster skim coat	Negative	SPI
8c	2 nd floor – stair – ceiling – plaster base coat	Negative	SPI
9a	2 nd floor – west bedroom – north wall – joint compound patch	Negative	SPI
9b	2 nd floor – west bedroom – north wall – plaster skim coat	Negative	SPI
9c	2 nd floor – west bedroom – north wall – plaster base coat	Negative	SPI
10a	2 nd floor – west bedroom – ceiling – joint compound patch	Negative	SPI
10b	2 nd floor – west bedroom – ceiling – plaster skim coat	Negative	SPI
10c	2 nd floor – west bedroom – ceiling – plaster base coat	Negative	SPI
11a	2 nd floor – west bedroom – ceiling – joint compound patch	Negative	SPI
11b	2 nd floor – west bedroom – ceiling – plaster skim coat	Negative	SPI
11c	2 nd floor – west bedroom – ceiling – plaster base coat	Negative	SPI
12a	1 st floor – dining room – north wall – joint compound	Negative	MDW
12b	1 st floor – dining room – north wall – drywall	Negative	MDW
13a	1 st floor – kitchen – east wall – joint compound	Negative	MDW
13b	1 st floor – kitchen – east wall – drywall	Negative	MDW
14a	2 nd floor – hall – west wall – joint compound	Negative	MDW
14b	2 nd floor – hall – west wall – drywall	Negative	MDW
15	1 st floor – front entry – north wall – texture	Negative	STX
16	1 st floor – living room – north wall – texture	Negative	STX
17	1 st floor – dining room – east wall – texture	Negative	STX

Sample #	Location and Description	Results	Homogeneous Code
18	1 st floor – hall – west wall – texture	Negative	STX
19	1 st floor – bathroom – west wall – texture	Negative	STX
20	2 nd floor – west bedroom – north wall – texture	Negative	STX
21	2 nd floor – east bedroom – south wall – texture	Negative	STX
22a	Basement – on chimney – flue packing top layer	Negative	TFP
22b	Basement – on chimney – flue packing bottom layer	Negative	TFP
23	1 st floor – dining room – on east wall duct – duct paper	Positive 60% Chrysotile	TDW
24	Basement – on center duct – duct paper	Positive 60% Chrysotile	TDW
25	Basement – on east side duct – duct paper	Positive 60% Chrysotile	TDW
26	1 st floor – bathroom floor – under floor tile – drywall #2	Negative	MDW2
27	1 st floor – bathroom floor – under drywall #2 – fiberboard #2	Negative	MFB2

The following material sampled was found to contain more than 1% asbestos:

Material	Homogeneous Code	Location	Approximate Quantity
Duct Paper	TDW	Dining Room, Basement	40 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	800 Sq. Ft.
1 st	Bathroom/Kitchen/Front Entry	Floor Tile & Mastic	260 Sq. Ft.
2 nd	Bedrooms	Floor Tile & Mastic	350 Sq. Ft.

Homogeneous Material Codes

SP1	Plaster
STX	Texture
MFB	Fiberboard
MFB2	Fiberboard #2
MPI	Paper Insulation
MDW	Drywall/Joint Compound
MDW2	Drywall #2
TFP	Flue Packing
TDW	Duct Paper

Note#1: Duct paper is a friable material and must be abated by a Wisconsin certified asbestos company prior to demolition. Asphalt roofing and floor tile/mastic are category I non friable materials and may remain on the building if the demolition debris will be disposed at a Wisconsin licensed landfill.

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

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

OTHER ENVIRONMENTAL ISSUES

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

VIII. LABORATORY RESULTS



2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 247389	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/10/2015	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 03/13/2015	Project: DNS
Analyzed By: Jeff Mlekush	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2826F

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 98	
002	2	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 98	
003	3	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 98	
004	4	Homogeneous	Red Paper	Asbestos Not Present	Cellulose 100	
005	5	Homogeneous	Red Paper	Asbestos Not Present	Cellulose 100	
006	6	Homogeneous	Red Paper	Asbestos Not Present	Cellulose 100	
007	7	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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

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



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Polarized Light Microscopy Asbestos Analysis Report

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Date Analyzed: 03/13/2015	Project: DNS
Analyzed By: Jeff Mlekush	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2826F

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
007b		Layered	Gray Plaster	Asbestos Not Present	NA	CaCO3 Sand
008	8	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
008a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
008b		Layered	Gray Plaster	Asbestos Not Present	NA	CaCO3 Sand
009	9	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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Date Analyzed: 03/13/2015	Project: DNS
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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2826F

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
009a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
009b		Layered	Gray Plaster	Asbestos Not Present	NA	CaCO3 Sand
010	10	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
010a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
010b		Layered	Gray Plaster	Asbestos Not Present	NA	CaCO3 Sand
011	11	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
011a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2826F

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
011b		Layered	Gray Plaster	Asbestos Not Present	NA	CaCO3 Sand
012	12	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
012a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
013	13	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
013a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
014	14	Layered	White Texture	Asbestos Not Present	NA	CaCO3

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2826F

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
015	15	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Perlite
015a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
016	16	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3
017	17	Layered	White Texture	Asbestos Not Present	NA	CaCO3
017a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
018	18	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3

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Account Number: B929	Dean Jacobsen
Date Received: 03/10/2015	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 03/13/2015	Project: DNS
Analyzed By: Jeff Mlekush	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2826F

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019	19	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3
020	20	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3
021	21	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3
022	22	Layered	White Texture	Asbestos Not Present	Wollastonite	5 CaCO3
022a		Layered	Gray Concrete	Asbestos Not Present	Wollastonite	30 Binder
023	23	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose	15 Binder

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Polarized Light Microscopy Asbestos Analysis Report

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Account Number: B929	Dean Jacobsen
Date Received: 03/10/2015	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 03/13/2015	Project: DNS
Analyzed By: Jeff Mlekush	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2826F

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
024	24	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 15	Binder
025	25	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 15	Binder
026	26	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
027	27	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum

Jeff M. Mlekush

Jeff Mlekush, Laboratory Manager

3/13/2015

Date of Report

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

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ASBESTOS CHAIN OF CUSTODY

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

LABORATORIES
 www.QuanTEM.com

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 247389
 Accept Reject

Report Results One box
 QuanTEM Website
 Other email _____

Project Information
 Project Name: DNS
 Project Location: Milwaukee, WI
 Project ID: 15-400-004.2826F
 P.O. Number: _____

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

RELINQUISHED BY: [Signature] DATE & TIME: 3/9/15 1800 VIA: FedEx RECEIVED BY: [Signature] DATE & TIME: 3/10/15 10:30

REQUESTED SERVICES (Please the Appropriate Boxes)

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

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



ASBESTOS CHAIN OF CUSTODY
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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Page 2 of 2

For Lab Use Only
 Lab No. 247381
 Accept Reject

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

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

Asbestos Company - Primary

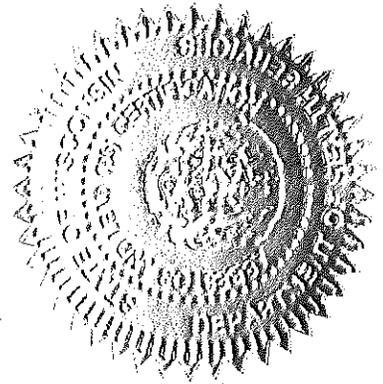
Certificate Issue Date: 09/11/2013
Expiration Date: 08/31/2015, 12:01 a.m.
Certification #: CAP-480540

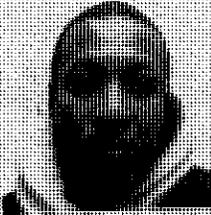
Wisconsin Department of Health Services
Division of Public Health
Bureau of Environmental and Occupational Health
Asbestos & Lead Section
PO Box 2659
Madison WI 53701-2659
Phone: (608) 261-6876



Shelley A. Bruce

Shelley A. Bruce,
Unit Supervisor




ADMINISTRATIVE INSPECTOR
Issued by:
STATE OF MISSISSIPPI
 Dept. of Health Services
 JAMES H. C. SPENCER
 4337 W. BRUCE ST.
 MEMPHIS, TN 38114-1114

AD-11643	Exp: 01/27/2015	180 Day	1st Day
		01/16/15	1st Day

Transmit fee by: 05/27/2012

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**One Family Rear Dwelling
2528A North 15th Street
Milwaukee, Wisconsin**

For:

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

HMG Report No.: 15-400-004.2528R

Contract No.: 360-15-0745

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP

1237 West Bruce Street
Milwaukee, Wisconsin 53204

March 2015

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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 rear dwelling at 2528A North 15th Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, fiberboard, drywall, linoleum, ceramic tile, flue packing, and window glazing compound to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M and NR 447 of the Wisconsin Administrative Code*.

II. BUILDING SURVEY

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

On March 7, 2015, HMG conducted an asbestos inspection of a one family rear dwelling, scheduled for mechanical demolition, located at 2528A North 15th Street, Milwaukee, Wisconsin. The inspection was conducted by Jazmin Spears, Wisconsin License No. AII – 111055.

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, fiberboard, drywall, linoleum, ceramic tile, flue packing, and window glazing compound. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1a	1 st floor – living room – west wall – joint compound patch	Negative	SPI
1b	1 st floor – living room – west wall – plaster skim coat	Negative	SPI
1c	1 st floor – living room – west wall – plaster base coat	Negative	SPI
2a	1 st floor – family room – north wall – joint compound patch	Negative	SPI
2b	1 st floor – family room – north wall – plaster skim coat	Negative	SPI
2c	1 st floor – family room – north wall – plaster base coat	Negative	SPI
3a	1 st floor – kitchen – east wall – joint compound patch	Negative	SPI
3b	1 st floor – kitchen – east wall – plaster skim coat	Negative	SPI
3c	1 st floor – kitchen – east wall – plaster base coat	Negative	SPI
4a	1 st floor – east bedroom – north wall – plaster skim coat	Negative	SPI
4b	1 st floor – east bedroom – north wall – plaster base coat	Negative	SPI
5a	2 nd floor – stair – west wall – plaster skim coat	Negative	SPI
5b	2 nd floor – stair – west wall – plaster base coat	Negative	SPI
6a	2 nd floor – northeast bedroom – north wall – plaster skim coat	Negative	SPI
6b	2 nd floor – northeast bedroom – north wall – plaster base coat	Negative	SPI
7a	2 nd floor – bathroom – north wall – plaster skim coat	Negative	SPI
7b	2 nd floor – bathroom – north wall – plaster base coat	Negative	SPI
8	1 st floor – front porch – on west wall – fiberboard	Negative	MFB
9	Basement – on north wall – fiberboard #2	Negative	MFB2
10	1 st floor – living room – ceiling – drywall	Negative	MDW
11	2 nd floor – northwest bedroom – north wall – drywall	Negative	MDW
12	2 nd floor – northwest bedroom – south wall – drywall	Negative	MDW
13	1 st floor – living room – in east wall – blown in insulation	Negative	MBI
14	2 nd floor – southwest bedroom – on floor – blown in insulation	Negative	MBI
15	2 nd floor – northwest bedroom – in north wall – blown in insulation	Negative	MBI
16	1 st floor – family room – on ceiling – texture	Negative	STX
17	1 st floor – east bedroom – on west wall – texture	Negative	STX
18a	2 nd floor – northeast bedroom – on west wall – texture	Negative	STX
18b	2 nd floor – northeast bedroom – on west wall – texture layer 2	Negative	STX

Sample #	Location and Description	Results	Homogeneous Code
19a	2 nd floor – southeast bedroom – on south wall – texture	Negative	STX
19b	2 nd floor – southeast bedroom – on south wall – texture layer 2	Negative	STX
20a	2 nd floor – bathroom – on south wall – texture	Negative	STX
20b	2 nd floor – bathroom – on south wall – texture layer 2	Negative	STX
21	2 nd floor – southwest bedroom – on west wall – texture	Negative	STX
22a	2 nd floor – bathroom – on west wall – texture	Negative	STX
22b	2 nd floor – bathroom – on west wall – texture layer 2	Negative	STX
23	1 st floor – family room – brown linoleum	Negative	MFLn
24	Basement – bathroom – yellow linoleum	Negative	MFLl
25	1 st floor – hall – yellow and tan linoleum	Negative	MFLlt
26a	2 nd floor – bathroom – on shower wall – white ceramic tile	Negative	MCTMw
26b	2 nd floor – bathroom – on shower wall – under ceramic tile – mastic	Negative	MCTMw
26c	2 nd floor – bathroom – on shower wall – grout	Negative	MCTMw
27	Basement – on chimney – flue packing	Negative	TFP
28	1 st floor – family room – on window – glazing compound	Positive 3% Chrysotile	MPG
29	2 nd floor – southeast bedroom – on window – glazing compound	Positive 3% Chrysotile	MPG
30	Basement – on window – glazing compound	Positive 3% Chrysotile	MPG

The following material sampled was found to contain more than 1% asbestos:

Material	Homogeneous Code	Location	Approximate Quantity
Window Glazing Compound	MPG	All Floors	40 Windows

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	900 Sq. Ft.
1 st	Porch/Front Entry/Hall/ Bathroom/Kitchen	Floor Tile & Mastic	230 Sq. Ft.
2 nd	Stair/Bathroom	Floor Tile & Mastic	120 Sq. Ft.

Homogeneous Material Codes

SP1	Plaster
STX	Texture
MFB	Fiberboard
MFB2	Fiberboard #2
MDW	Drywall
MBI	Blown in Insulation
MFLn	Brown Linoleum
MFLl	Yellow Linoleum
MFLlt	Yellow & Tan Linoleum
MCTMw	White Ceramic Tile
MPG	Glazing Compound
TFP	Flue Packing

Note#1: Window glazing compound is a category II non-friable material and must be abated by a Wisconsin certified asbestos company prior to demolition. Asphalt roofing and floor tile/mastic are category I non friable materials and may remain on the building if the demolition debris will be disposed at a Wisconsin licensed landfill.

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

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

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

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>1</u>	Old Thermostats – 1 st Floor Living 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>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 Gallon Gasoline on Porch

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 247387	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/10/2015	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 03/13/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2826R

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
001a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
001b		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
002	2	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
002a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
002b		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
003	3	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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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2826R

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 Paint
003b		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
004	4	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
004a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
005	5	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
005a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2826R

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006	6	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
006a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
007	7	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
007a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
008	8	Homogeneous	Blue Fiberboard	Asbestos Not Present	Cellulose 90	Paint
009	9	Homogeneous	Blue Fiberboard	Asbestos Not Present	Cellulose 90	Paint
010	10	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2826R

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
011	11	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
012	12	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
013	13	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
014	14	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
015	15	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
016	16	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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Polarized Light Microscopy Asbestos Analysis Report

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Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 03/13/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2826R

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
017	17	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
018	18	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
018a		Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum CaCO3 Paint
019	19	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
019a		Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum CaCO3 Paint
020	20	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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Date Analyzed: 03/13/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2826R

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020a		Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum CaCO3 Paint
021	21	Homogeneous	White Texture	Asbestos Not Present	Cellulose <1	CaCO3 Paint
022	22	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
022a		Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum CaCO3 Paint
023	23	Homogeneous	Brown Flooring	Asbestos Not Present	NA	Vinyl Foam
024	24	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 15	Vinyl
025	25	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 30	Vinyl

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Date Analyzed: 03/13/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2826R

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
026	26	Layered	White 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
027	27	Homogeneous	Tan Plaster	Asbestos Not Present	NA	Quartz CaCO3
028	28	Homogeneous	White Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3
029	29	Homogeneous	White Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
030	30	Homogeneous	White Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3

Gayle Ooten, Analyst

3/13/2015

Date of Report

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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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 247387
 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: 15-400-004.2826R	
SAMPLED BY: <u>Dean Jacobsen</u>	Name:	PO Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<u>Dean Jacobsen</u>	3/9/15 1800	FedEx	<u>Anthony</u>	3/10/15 10:30

REQUESTED SERVICES (Please check the Appropriate Boxes)

	PLM		PLM		TEM		TEM		TURNAROUND TIME	
	Bulk Analysis (EPA 600/R-93/116)	400 Point Count	Vermiculite Attic Insulation (EPA 600/R-04/004)	Other	Air-AHERA	Air-NIOSH 7402	Air-ISO 10312	Bulk- Presence / Absence EPA600/R-93/116	Bulk- Quantitative [weight%]- Chatfield	Rush
<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	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	6	<input type="checkbox"/>				
7	7	<input type="checkbox"/>				
8	8	<input type="checkbox"/>				
9	9	<input type="checkbox"/>				
10	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>247387</u>
<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI			
No.	Sample ID (10 Characters Max)	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"/>				

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

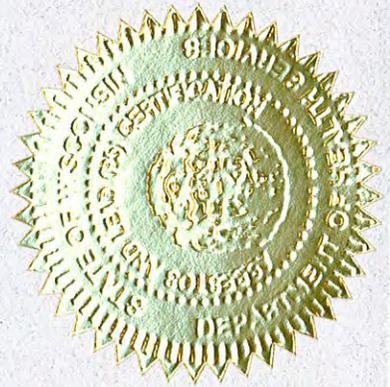
Asbestos Company - Primary

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



Jazmin K. C. Spears
1237 W Bruce St
Milwaukee WI 53204-1218

		198 lbs	5' 08"
All-111055	Exp: 03/27/2015	10/19/1974	Male

Training due by: 03/27/2015

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**One Family Dwelling
2917 North 16th Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 16-400-014.2917
Contract No.: 360-16-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

March 2016

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for suspect asbestos containing materials in the dwelling at 2917 North 16th Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On March 1, 2016, HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 2917 North 16th Street, Milwaukee, Wisconsin. The inspection was conducted by Damian Rogowski, Wisconsin License No. AII – 161300.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents.

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Bold values below indicate that the material contains more than 1% asbestos. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, texture, asphalt shingle siding, tar paper, blown in insulation, window glazing compound, drywall/joint compound, ceramic tile, caulk, light fixture insulation, linoleum, floor tile, aircell pipe insulation, magnesia pipe insulation, flue packing, roofing, floor tile, and mastics. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1	Exterior – north wall – under aluminum siding – asphalt shingle siding	Negative	MSS
2	Exterior – east wall – under aluminum siding – asphalt shingle siding	Negative	MSS
3	Exterior – west wall – under aluminum siding – asphalt shingle siding	Negative	MSS
4	Exterior – north wall – under wood siding – tar paper	Negative	MPT
5	Exterior – east wall – under wood siding – tar paper	Negative	MPT
6	Exterior – west wall – under wood siding – tar paper	Negative	MPT
7	Exterior – in north wall – blown in insulation	Negative	MBI
8	Exterior – in east wall – blown in insulation	Negative	MBI
9	Exterior – in west wall – blown in insulation	Negative	MBI
10	Basement – on north window – glazing compound	Positive 3% Chrysotile	MPG
11	1 st floor – on east window – glazing compound	Negative	MPG
12	2 nd floor – on west window – glazing compound	Negative	MPG
13	1 st floor – family room – on ceiling – texture	Negative	STX
14	2 nd floor – hall – on ceiling – texture	Negative	STX
15	2 nd floor – bathroom – on north walls – texture	Negative	STX
16a	1 st floor – family room – ceiling – joint compound	Negative	MDW
16b	1 st floor – family room – ceiling – drywall	Negative	MDW
17a	Basement – north wall – joint compound	Negative	MDW
17b	Basement – north wall – drywall	Negative	MDW
18a	2 nd floor – east bedroom – ceiling – joint compound	Negative	MDW
18b	2 nd floor – east bedroom – ceiling – drywall	Negative	MDW
18c	2 nd floor – east bedroom – ceiling – plaster patch	Negative	MDW
19	1st floor – family room – under wall panels – brown mastic	Positive 20% Chrysotile	MWMn
20	2 nd floor – stair – under wall panels – gray mastic	Negative	MWMy

Sample #	Location and Description	Results	Homogeneous Code
21	2 nd floor – hall – under wall panels – tan mastic	Negative	MWMt
22	1 st floor – family room – east wall – plaster	Negative	SPI
23a	1 st floor – kitchen – east wall – plaster skim coat	Negative	SPI
23b	1 st floor – kitchen – east wall – plaster base coat	Negative	SPI
24a	2 nd floor – east bedroom – east wall – plaster skim coat	Negative	SPI
24b	2 nd floor – east bedroom – east wall – plaster base coat	Negative	SPI
25	2 nd floor – west bedroom – west wall – plaster	Negative	SPI
26	2 nd floor – hall – north wall – plaster	Negative	SPI
27a	1 st floor – family room – brown ceramic tile	Negative	MCTMn
27b	1 st floor – family room – grout	Negative	MCTMn
28	1st floor – front entry – on ceiling fixture – paper insulation	Positive 60% Chrysotile	MLI
29	Exterior – on north wall – green caulk	Negative	MCLKg
30	Exterior – on east wall – green caulk	Negative	MCLKg
31	Exterior – on west wall – green caulk	Negative	MCLKg
32	1st floor – kitchen – southeast corner – yellow linoleum	Positive 30% Chrysotile	MFLI
33a	1 st floor – kitchen – southeast corner – under plywood – black linoleum	Negative	MFLk
33b	1 st floor – kitchen – southeast corner – under black linoleum – red linoleum	Negative	MFLr
33c	1 st floor – kitchen – southeast corner – under red linoleum – brown linoleum	Negative	MFLn
34a	1 st floor – kitchen – tan ceramic tile	Negative	MCTMt
34b	1 st floor – kitchen – under tan ceramic tile – mastic	Negative	MCTMt
35	Basement – northwest – tan linoleum	Negative	MFLt
36a	Basement – northwest – 12” tan floor tile	Negative	MF12t
36b	Basement – northwest – under 12” tan floor tile – mastic	Negative	MF12t
37	Basement – east – 12” tan floor tile	Negative	MF12t
38	Basement – south – 12” tan floor tile	Negative	MF12t
39	Basement – on floor - <5” diameter aircell pipe insulation	Positive 60% Chrysotile	TA5
40	Basement – north side - <5” diameter aircell pipe insulation	Positive 60% Chrysotile	TA5
41	Basement – east side - <5” diameter aircell pipe insulation	Positive 60% Chrysotile	TA5
42	Basement – on floor - <5” diameter magnesia pipe insulation	Positive 25% Chrysotile	TM5
43	Basement – north side - <5” diameter magnesia pipe insulation	Positive 25% Chrysotile	TM5
44	Basement – east side - <5” diameter magnesia pipe insulation	Positive 25% Chrysotile	TM5
45	Basement – on chimney – flue packing	Negative	TFP
46	2nd floor – bathroom – under floor tile and plywood – gold linoleum	Positive 30% Chrysotile	MFLd

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

Material	Homogeneous Code	Location	Approximate Quantity
Window Glazing Compound	MPG	All Floors	32 Windows
Brown Wall Mastic	MWMn	1 st Floor Family Room Under Wood Wall Panels	480 Sq. Ft.
Light Fixture Insulation Paper	MLI	1 st Floor Front Entry	1 Sq. Ft.
Yellow Linoleum	MFLI	Kitchen Southeast Corner	12 Sq. Ft.
<5" Diameter Aircell Pipe Insulation	TA5	Basement	12 Ln. Ft. 60 Sq. Ft. of Floor
<5" Diameter Magnesia Pipe Insulation	TM5	Basement	12 Ln. Ft.
Gold Linoleum	MFLd	2 nd Floor Bathroom Under Floor Tile & Plywood	50 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	700 Sq. Ft.
2 nd	Bedroom/Bathroom	Floor Tile & Mastic	280 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STX	Texture
MSS	Asphalt Shingle Siding
MPT	Tar Paper
MBI	Blown in Insulation
MPG	Glazing Compound
MDW	Drywall/Joint Compound
MWMn	Brown Wall Mastic
MWMy	Gray Wall Mastic
MWMt	Tan Wall Mastic
MCTMn	Brown Ceramic Tile
MCTMt	Tan Ceramic Tile
MLI	Light Fixture Insulation
MCLKg	Green Caulk
MF12t	12" Tan Floor Tile
MFLI	Yellow Linoleum
MFLk	Black Linoleum
MFLr	Red Linoleum
MFLn	Brown Linoleum
MFLt	Tan Linoleum
MFLd	Gold Linoleum
TA5	<5" Diameter Aircell Pipe Insulation
TM5	<5" Diameter Magnesia Pipe Insulation
TFP	Flue Packing

Note#1: The window glazing compound, wall mastic, light fixture insulation, linoleums, aircell, and magnesia are friable and category II non-friable materials and must be abated by a Wisconsin

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

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

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

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

Note#5: Additional aircell and magnesia may be within walls and ceilings.

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS – 1 Breaker Box in Basement

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

PCBs

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

<u>N/A</u>	Transformers
<u>N/A</u>	Capacitors (appliances, electronic equipment)
<u>N/A</u>	Heat Transfer Equipment
<u>N/A</u>	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 in Basement

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 260491	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/02/2016	1237 West Bruce St.
Received By: Rachel Brooks	Milwaukee, WI 53204
Date Analyzed: 03/04/2016	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2917

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Brown Siding	Asbestos Not Present	Cellulose 45	Sand Tar
002	2	Homogeneous	Brown Siding	Asbestos Not Present	Cellulose 45	Sand Tar
003	3	Homogeneous	Brown Siding	Asbestos Not Present	Cellulose 45	Sand Tar
004	4	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 100	
005	5	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 100	
006	6	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 100	
007	7	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	

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

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



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Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2917

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
009	9	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
010	10	Homogeneous	White Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3
011	11	Homogeneous	Black Window Glazing	Asbestos Not Present	NA	CaCO3
012	12	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
013	13	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2917

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
015	15	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
016	16	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
016a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
017	17	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
017a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
018	18	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint

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Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2917

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
018b		Layered	White Plaster	Asbestos Not Present	Cellulose <1	Gypsum Perlite
019	19	Homogeneous	Brown Caulk	Asbestos Present Chrysotile 20	NA	Binder
020	20	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum Paint
021	21	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
022	22	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum Paint

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Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2917

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023	23	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint
023a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
024	24	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint
024a		Layered	Gray Plaster	Asbestos Not Present	Cellulose <1	Sand Gypsum
025	25	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum Paint
026	26	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum Paint

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Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2917

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
027	27	Layered	Brown Ceramic Tile	Asbestos Not Present	NA	Clay
027a		Layered	Gray Grout	Asbestos Not Present	NA	Sand CaCO3
028	28	Homogeneous	White Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
029	29	Homogeneous	Green Caulk	Asbestos Not Present	Talc 8	CaCO3
030	30	Homogeneous	Green Caulk	Asbestos Not Present	Talc 8	CaCO3
031	31	Homogeneous	Green Caulk	Asbestos Not Present	Talc 8	CaCO3
032	32	Homogeneous	Tan Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl

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

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



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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 260491	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/02/2016	1237 West Bruce St.
Received By: Rachel Brooks	Milwaukee, WI 53204
Date Analyzed: 03/04/2016	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2917

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
033	33	Layered	Black/Gray Flooring	Asbestos Not Present	Cellulose 60	Tar
033a		Layered	Red Linoleum	Asbestos Not Present	Cellulose 30	Vinyl Binder
033b		Layered	Brown Linoleum	Asbestos Not Present	Cellulose 30	Vinyl Binder
034	34	Layered	Brown Ceramic Tile	Asbestos Not Present	NA	Clay
034a		Layered	Cream Mastic	Asbestos Not Present	NA	Glue CaCO3
035	35	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Synthetic 15	Vinyl

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

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2917

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
036	36	Layered	Brown Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
036a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue Binder
037	37	Homogeneous	Tan Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
038	38	Homogeneous	Tan Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
039	39	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
040	40	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
041	41	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder

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

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



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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2917

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
042	42	Homogeneous	White Insulation	Asbestos Present Chrysotile 25	NA	Gypsum
043	43	Homogeneous	White Insulation	Asbestos Present Chrysotile 25	NA	Gypsum
044	44	Homogeneous	White Insulation	Asbestos Present Chrysotile 25	NA	Gypsum
045	45	Homogeneous	Gray Insulation	Asbestos Not Present	Glass Fiber 15	Sand CaCO3
046	46	Homogeneous	Tan Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl

Gayle Ooten, Analyst

3/4/2016

Date of Report

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

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



ASBESTOS CHAIN OF CUSTODY

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

For Lab Use Only	
Lab No. <u>260491</u>	<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Contact Information		Project Information		Report Results (<input checked="" type="checkbox"/> one box)	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	<input checked="" type="checkbox"/> Quantem Website		
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	<input type="checkbox"/> Other <u>email</u>		
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 16-400-014.2917			
SAMPLED BY: Name:	Date:	P.O. Number:			

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	<u>3/1/16 1700</u>	<u>FedEx</u>	<i>[Signature]</i>	<u>3/2 10:00</u>

REQUESTED SERVICES (Please the Appropriate Boxes)

PLM		PLM		TEM		TEM		TURNAROUND TIME	
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush					
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Same Day					
<input type="checkbox"/> 1000 Point Count	PCM		<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"/> 5 - Day					

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



ASBESTOS CHAIN OF CUSTODY

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

For Lab Use Only	
Lab No. <u>210491</u>	
<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Reject

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Project Information

Company: Harenda Management Group	Project Name: DNS	Project Location: Milwaukee, WI
--	--------------------------	--

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



ASBESTOS CHAIN OF CUSTODY

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

For Lab Use Only	
Lab No.	<u>210491</u>
<input checked="" type="radio"/> Accept	<input type="radio"/> Reject

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

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
31	31	<input checked="" type="checkbox"/>				
32	32	<input type="checkbox"/>				
33	33	<input type="checkbox"/>				
34	34	<input type="checkbox"/>				
35	35	<input type="checkbox"/>				
36	36	<input type="checkbox"/>				
37	37	<input type="checkbox"/>				
38	38	<input type="checkbox"/>				
39	39	<input type="checkbox"/>				
40	40	<input type="checkbox"/>				
41	41	<input type="checkbox"/>				
42	42	<input type="checkbox"/>				
43	43	<input type="checkbox"/>				
44	44	<input type="checkbox"/>				
45	45	<input type="checkbox"/>				
46	46	<input checked="" type="checkbox"/>				
47		<input type="checkbox"/>				
48		<input type="checkbox"/>				
49		<input type="checkbox"/>				
50		<input type="checkbox"/>				

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

1237 W BRUCE ST
MILWAUKEE WI 53204-1218

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

Asbestos Company - Primary

Certificate Issue Date: 07/29/2015
Expiration Date: 08/31/2017, 12:01 a.m.
Certification #: CAP-480540

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor

ASBESTOS INSPECTOR
Issued By
STATE OF WISCONSIN
Dept. of Health Services



Damian Scott Rogowski
140 E Davis St
Beaver Dam WI 53916-2943

		185 lbs	5' 10"
All-161300	Exp: 03/19/2016	12/01/1980	Male

Training due by: 03/19/2016

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**One Family Dwelling
2126 North 24th Place
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 16-400-014.2126
Contract No.: 360-16-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

March 2016

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for suspect asbestos containing materials in the dwelling at 2126 North 24th Place, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On March 10, 2016, HMG conducted an asbestos inspection of a one family dwelling and garage, scheduled for mechanical demolition, located at 2126 North 24th Place, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14730.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents.

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Bold values below indicate that the material contains more than 1% asbestos. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, texture, fiberboard, mortar, drywall/joint compound, ceramic tile, linoleum, flue packing, ceiling tile, floor tile, window glazing compound, roofing, and mastics. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1	Exterior – south wall – under vinyl siding – fiberboard	Negative	MFB
2	Exterior – east wall – under vinyl siding – fiberboard	Negative	MFB
3	Exterior – north wall – under vinyl siding – fiberboard	Negative	MFB
4	Basement – on windows – glass block mortar	Negative	MGBM
5a	1 st floor – west room – east wall – joint compound	Negative	MDW
5b	1 st floor – west room – east wall – drywall	Negative	MDW
6a	2 nd floor – center room – north wall – joint compound	Negative	MDW
6b	2 nd floor – center room – north wall – drywall	Negative	MDW
7a	2 nd floor – east bedroom – south wall – joint compound	Negative	MDW
7b	2 nd floor – east bedroom – south wall – drywall	Negative	MDW
8a	1 st floor – living room – south wall – joint compound layer	Negative	SPI
8b	1 st floor – living room – south wall – plaster skim coat	Negative	SPI
8c	1 st floor – living room – south wall – plaster base coat	Negative	SPI
9a	1 st floor – west bedroom – west wall – plaster skim coat	Negative	SPI
9b	1 st floor – west bedroom – west wall – plaster base coat	Negative	SPI
10a	1 st floor – kitchen – east wall – plaster skim coat	Negative	SPI
10b	1 st floor – kitchen – east wall – plaster base coat	Negative	SPI
11a	1 st floor – front stair – north wall – plaster skim coat	Negative	SPI
11b	1 st floor – front stair – north wall – plaster base coat	Negative	SPI
12a	2 nd floor – west bedroom – ceiling – plaster skim coat	Negative	SPI
12b	2 nd floor – west bedroom – ceiling – plaster base coat	Negative	SPI
13	1 st floor – living room – on south side ceiling – texture	Negative	STX
14	1 st floor – living room – on center ceiling – texture	Negative	STX
15	1 st floor – living room – on north side ceiling – texture	Negative	STX
16a	1 st floor – dining room – north wall – plaster #2 skim coat	Negative	SPI2
16b	1 st floor – dining room – north wall – plaster #2 base coat	Negative	SPI2
16c	1 st floor – dining room – north wall – drywall	Negative	SPI2

Sample #	Location and Description	Results	Homogeneous Code
17a	1 st floor – west bedroom – south wall – plaster #2	Negative	SPI2
17b	1 st floor – west bedroom – south wall – plaster #2 skim coat	Negative	SPI2
17c	1 st floor – west bedroom – south wall – plaster #2 base coat	Negative	SPI2
18a	1 st floor – west bedroom – north wall – plaster #2 skim coat	Negative	SPI2
18b	1 st floor – west bedroom – north wall – plaster #2 base coat	Negative	SPI2
19a	1 st floor – kitchen – on walls – tan ceramic tile	Negative	MCTMt
19b	1 st floor – kitchen – on walls – under tan ceramic tile – mastic	Negative	MCTMt
19c	1 st floor – kitchen – on walls – grout	Negative	MCTMt
20	1st floor – bathroom – under floor tile – tan and brown linoleum	Positive 25% Chrysotile	MFLtn
21a	1 st floor – bathroom – on walls under wood panels – green linoleum	Negative	MFLg
21b	1 st floor – bathroom – on walls under green linoleum – mastic	Negative	MFLg
22	1st floor – pantry – under floor tile – yellow and brown linoleum	Positive 25% Chrysotile	MFLIn
23	Basement – stair landing – under carpet – tan linoleum	Positive 25% Chrysotile	MFLt
24	Basement – on chimney – flue packing	Negative	TFP
25	Basement – east room – 2' x 4' ceiling tile	Negative	MSCT24
26	Basement – bathroom – top layer – 12" brown floor tile	Negative	MF12n
27	Basement – bathroom – bottom layer – gray linoleum	Positive 25% Chrysotile	MFLy
28	Basement – on southwest window – glazing compound	Negative	MPG

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

Material	Homogeneous Code	Location	Approximate Quantity
Tan & Brown Linoleum	MFLtn	1 st Floor Bathroom Under Floor Tile	25 Sq. Ft.
Yellow & Brown Linoleum	MFLIn	1 st Floor Pantry Under Floor Tile	20 Sq. Ft.
Tan Linoleum	MFLt	Basement Stair Landing Under Carpet	15 Sq. Ft.
Gray Linoleum	MFLy	Basement Bathroom Under Floor Tile	35 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling & Garage	Asphalt Shingles & Flashing	1,400 Sq. Ft.
1 st	Kitchen/Bathroom/Pantry/Living Room/Dining Room/Stair	Floor Tile & Mastic	570 Sq. Ft.

Homogeneous Material Codes

SP1	Plaster
SP12	Plaster #2
STX	Texture
MFB	Fiberboard
MGBM	Glass Block Mortar
MDW	Drywall/Joint Compound
MCTMt	Tan Ceramic Tile
MFLtn	Tan & Brown Linoleum
MFLg	Green Linoleum
MFLln	Yellow & Brown Linoleum
MFLt	Tan Linoleum
MFLy	Gray Linoleum
MSCT24	2' x 4' Ceiling Tile
MF12n	12" Brown Floor Tile
MPG	Glazing Compound
TFP	Flue Packing

Note#1: The linoleums are friable materials and must be abated by a Wisconsin certified asbestos company prior to demolition. Asphalt roofing and floor tile/mastic are category I non friable materials and may remain on the building if the demolition debris will be disposed at a Wisconsin licensed landfill.

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

<u>11</u>	Fluorescent Lights – Exterior South Side, Kitchen, Bathroom, 2 nd Floor Center Room, Basement
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS

<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>3</u>	Ballasts – Basement
<u>N/A</u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u>N/A</u>	Sumps or Oil Traps (in maintenance and industrial facilities)

OTHER ENVIRONMENTAL ISSUES

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

* 1 Pint Mineral Spirits in Basement

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 260876	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/11/2016	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 03/16/2016	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2126

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Black Siding	Asbestos Not Present	Cellulose 70	Tar
002	2	Homogeneous	Black Siding	Asbestos Not Present	Cellulose 70	Tar
003	3	Homogeneous	Black Siding	Asbestos Not Present	Cellulose 70	Tar
004	4	Homogeneous	White Plaster	Asbestos Not Present	Cellulose 3	Sand CaCO3 Gypsum
005	5	Layered	White Texture	Asbestos Not Present	NA	CaCO3
005a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 5	Gypsum
006	6	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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

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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 260876	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/11/2016	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 03/16/2016	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2126

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 5	Gypsum
007	7	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
007a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 5	Gypsum
008	8	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
008a		Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum
008b		Layered	Gray Plaster	Asbestos Not Present	Cellulose 2	Sand Gypsum CaCO3

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Date Analyzed: 03/16/2016	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2126

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
009	9	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
009a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
010	10	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
010a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
011	11	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
011a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
012	12	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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Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2126

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
013	13	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Perlite Paint
014	14	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Perlite Paint
015	15	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Perlite Paint
016	16	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum Paint
016a		Layered	Gray Plaster	Asbestos Not Present	NA	Gypsum

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

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



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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 260876	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/11/2016	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 03/16/2016	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2126

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
017	17	Layered	White Texture	Asbestos Not Present	NA	Gypsum Paint
017a		Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum
017b		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum Perlite
018	18	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint
018a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
019	19	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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Polarized Light Microscopy Asbestos Analysis Report

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Date Analyzed: 03/16/2016	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2126

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019a		Layered	Brown Mastic	Asbestos Not Present	Cellulose 3	Glue
019b		Layered	White Plaster	Asbestos Not Present	NA	Sand CaCO3 Paint
020	20	Homogeneous	Beige Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
021	21	Layered	Green Linoleum	Asbestos Not Present	Cellulose 40	Tar Binder
021a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
022	22	Homogeneous	Yellow Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl

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

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



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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 260876	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/11/2016	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 03/16/2016	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2126

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023	23	Homogeneous	Tan Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
024	24	Homogeneous	Gray Sealant	Asbestos Not Present	Wollastonite 80	CaCO3
025	25	Homogeneous	White Insulation	Asbestos Not Present	Cellulose 80	Perlite
026	26	Homogeneous	Brown Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
027	27	Homogeneous	Tan Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
028	28	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3

Cristal Veech

Cristal Veech, Analyst

3/16/2016

Date of Report

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

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



ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. <u>260876</u>	Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>
Report Results (<input checked="" type="checkbox"/> one box)	
<input checked="" type="checkbox"/> QuanTEM Website	<input type="checkbox"/> Other <u>email</u>

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: 16-400-014.2126	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Dean Jacobsen</i>	3/10/16 1700	Fed Ex	<i>S. Hoffman</i>	3/11/16 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"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> 24 - Hour
<input type="checkbox"/> Gravimetric Preparation	PCM	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input checked="" type="checkbox"/> 3 - Day
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input type="checkbox"/> 5 - Day

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

For Lab Use Only	
Lab No. <u>260876</u>	
<input checked="" type="radio"/> Accept	<input type="radio"/> Reject

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

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

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

1237 W BRUCE ST
MILWAUKEE WI 53204-1218

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

Asbestos Company - Primary

Certificate Issue Date: 07/29/2015
Expiration Date: 08/31/2017, 12:01 a.m.
Certification #: CAP-480540

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor

Scott Walker
Governor

Kitty Rhoades
Secretary



State of Wisconsin
Department of Health Services

DIVISION OF PUBLIC HEALTH

1 WEST WILSON STREET

P O BOX 2659
MADISON WI 53701-2659

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

November 6, 2015

DEAN T JACOBSEN
W131S6781 KIPLING DR
MUSKEGO WI 53150-3401

ID# AII-14370

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

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

Renewing Your Certification

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

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

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

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

Certified Company Affiliation

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

To Update Information and Apply Online

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

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

Phone: (608) 261-6876
Email: dhasbestoslead@wi.gov
Internet: www.dhs.wisconsin.gov

COPY

ASBESTOS INSPECTOR
Issued By
STATE OF WISCONSIN
Dept. of Health Services

Dean T Jacobsen
W131s6781 Kipling Dr
Muskego WI 53150-3401

	160 lbs	5' 08"
AII-14370	Exp: 12/01/2016	12/12/1963 Male

Training due by: 12/01/2016



ASBESTOS INSPECTION REPORT

Job Site:

**One Family Dwelling
2430 North Buffum Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 15-400-004.2430
Contract No.: 360-15-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

April 2015

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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 2430 North Buffum Street, Milwaukee, Wisconsin.

The inspection included plaster, transite siding, tar paper, linoleum, flue packing, and window glazing compound to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M and NR 447 of the Wisconsin Administrative Code*.

II. BUILDING SURVEY

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

On March 18, 2015, HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 2430 North Buffum Street, Milwaukee, Wisconsin. The inspection was conducted by Jazmin Spears, Wisconsin License No. AII – 111055.

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, transite siding, tar paper, linoleum, flue packing, and window glazing compound. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1	Exterior – west wall – transite siding	Positive 20% Chrysotile	MTP
2	Exterior – south wall – transite siding	Positive 20% Chrysotile	MTP
3	Exterior – east wall – transite siding	Positive 20% Chrysotile	MTP
4a	Exterior – west wall under transite – tar paper	Negative	MPT
4b	Exterior – west wall under tar paper – tar	Negative	MPT
4c	Exterior – west wall under tar - tar paper 2 nd layer	Negative	MPT
5a	Exterior – south wall under transite – tar paper	Negative	MPT
5b	Exterior – south wall under tar paper – tar	Negative	MPT
5c	Exterior – south wall under tar - tar paper 2 nd layer	Negative	MPT
6a	Exterior – east wall under transite – tar paper	Negative	MPT
6b	Exterior – east wall under tar paper – tar	Negative	MPT
6c	Exterior – east wall under tar - tar paper 2 nd layer	Negative	MPT
7a	1 st floor – living room – ceiling – plaster skim coat	Negative	SPI
7b	1 st floor – living room – ceiling – plaster base coat	Negative	SPI
8a	1 st floor – dining room – north wall – plaster skim coat	Negative	SPI
8b	1 st floor – dining room – north wall – plaster base coat	Negative	SPI
9a	1 st floor – south bedroom – south wall – plaster skim coat	Negative	SPI
9b	1 st floor – south bedroom – south wall – plaster base coat	Negative	SPI
10a	1 st floor – kitchen – ceiling – plaster skim coat	Negative	SPI
10b	1 st floor – kitchen – ceiling – plaster base coat	Negative	SPI
11a	2 nd floor – stair – ceiling – plaster skim coat	Negative	SPI
11b	2 nd floor – stair – ceiling – plaster base coat	Negative	SPI
12a	2 nd floor – east room – east wall – plaster skim coat	Negative	SPI
12b	2 nd floor – east room – east wall – plaster base coat	Negative	SPI
13a	2 nd floor – west room – east wall – plaster skim coat	Negative	SPI
13b	2 nd floor – west room – east wall – plaster base coat	Negative	SPI
14	1 st floor – dining room – under carpet – beige and brown linoleum	Negative	MFLen
15	1 st floor – north bedroom – tan and brown linoleum	Negative	MFLtn
16	2 nd floor – east room – tan and red linoleum	Negative	MFLtr

Sample #	Location and Description	Results	Homogeneous Code
17a	1 st floor – kitchen – on east wall – flue packing top layer	Negative	TFP
17b	1 st floor – kitchen – on east wall – flue packing bottom layer	Negative	TFP
18	1 st floor – bathroom – on wall – black & brown linoleum	Negative	MFLkn
19	1 st floor – living room – on window – glazing compound	Negative	MPG
20	1 st floor – north bedroom – on window – glazing compound	Negative	MPG
21	2 nd floor – east room – on window – glazing compound	Negative	MPG

The following material sampled was found to contain more than 1% asbestos:

Material	Homogeneous Code	Location	Quantity
Transite Siding	MTP	Exterior Walls	1,300 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Building	Built up Roofing & Flashing	500 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MTP	Transite
MPT	Tar Paper
MFLtr	Tan & Red Linoleum
MFLen	Beige & Brown Linoleum
MFLtn	Tan & Brown Linoleum
MFLkn	Black & Brown Linoleum
MPG	Glazing Compound
TFP	Flue Packing

Note#1: The transite siding is a category II non friable material and must be abated by a Wisconsin certified asbestos company prior to demolition. Asphalt roofing and floor tile/mastic are category I non friable materials and may remain on the building if the demolition debris will be disposed at a Wisconsin licensed landfill.

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

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

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

V. EXCLUSIONS

Furniture, garbage, and debris in all room – floors only partially accessible. Roof visible only from ground. No access to basement or attic. No visible or accessible areas were excluded from the scope of work.

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

OTHER ENVIRONMENTAL ISSUES

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

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 247813	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/20/2015	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 03/27/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2430

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Transite	Asbestos Present Chrysotile 20	NA	CaCO3
002	2	Homogeneous	Gray Transite	Asbestos Present Chrysotile 20	NA	CaCO3
003	3	Homogeneous	Gray Transite	Asbestos Present Chrysotile 20	NA	CaCO3
004	4	Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
004a		Layered	Black Tar	Asbestos Not Present	Cellulose 5	Tar
004b		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
005	5	Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar

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

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 247813	Client: Harenda Management Group
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Date Analyzed: 03/27/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2430

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
005a		Layered	Black Tar	Asbestos Not Present	Cellulose 5	Tar
005b		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
006	6	Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
006a		Layered	Black Tar	Asbestos Not Present	Cellulose 5	Tar
006b		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
007	7	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 247813	Client: Harenda Management Group
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Date Received: 03/20/2015	1237 West Bruce St.
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Date Analyzed: 03/27/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2430

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
008	8	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
008a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
009	9	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
009a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
010	10	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
010a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3

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Date Analyzed: 03/27/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2430

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
011	11	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
011a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
012	12	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
012a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
013	13	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
013a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3

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Date Received: 03/20/2015	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 03/27/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2430

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Homogeneous	Beige Linoleum	Asbestos Not Present	Cellulose 25	Vinyl
015	15	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 25	Vinyl
016	16	Homogeneous	Tan/Red Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar
017	17	Layered	Cream Stucco	Asbestos Not Present	NA	Quartz CaCO3
017a		Layered	Brown Stucco	Asbestos Not Present	NA	Quartz CaCO3
018	18	Homogeneous	Black/Brown Linoleum	Asbestos Not Present	Cellulose 80	Vinyl
019	19	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3

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

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Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 03/27/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2430

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020	20	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
021	21	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3

Gayle Ooten, Analyst

3/27/2015

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. 247813 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: 15-400-004.2430	
SAMPLED BY: [Signature] Name:	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
[Signature]	3/19/15 1800	FedEx	[Signature]	3/27/15 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"/> Air-ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> 24 - Hour
<input type="checkbox"/> Gravimetric Preparation	PCM	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input 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 checked="" type="checkbox"/> 5 - Day

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



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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. <u>247813</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

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

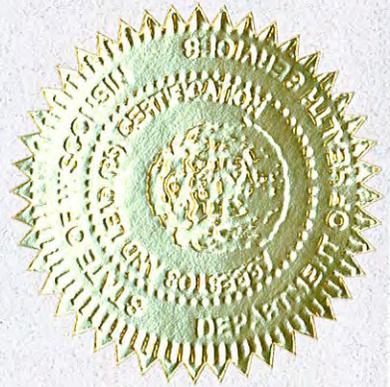
Asbestos Company - Primary

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

Jazmin K. C. Spears
1237 W Bruce St
Milwaukee WI 53204-1218

		198 lbs	5' 08"
All-111055	Exp: 03/27/2015	10/19/1974	Male

Training due by: 03/27/2015

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**Two Family Dwelling
928-30 West Clarke Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 15-400-004.928
Contract No.: 360-15-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

May 2015

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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 928-30 West Clarke Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, asphalt shingle siding, tar paper, caulk, fiberboard, window glazing compound, duct paper, wall covering, joint compound patch, drywall/joint compound, linoleum, ceiling tile, magnesia pipe insulation, fittings, flue packing, and mastics to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M and NR 447 of the Wisconsin Administrative Code*.

II. BUILDING SURVEY

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

On March 23, 2015, HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 928-30 West Clarke Street, Milwaukee, Wisconsin. The inspection was conducted by Damian Rogowski, Wisconsin License No. AII – 161300.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, texture, asphalt shingle siding, tar paper, caulk, fiberboard, window glazing compound, duct paper, wall covering, joint compound patch, drywall/joint compound, linoleum, ceiling tile, magnesia pipe insulation, fittings, flue packing, and mastics. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1	Exterior – south wall under fiberboard – asphalt shingle siding	Negative	MSS
2	Exterior – east wall under fiberboard – asphalt shingle siding	Negative	MSS
3	Exterior – north wall under fiberboard – asphalt shingle siding	Negative	MSS
4	Exterior – south wall under wood siding – tar paper	Negative	MPT
5	Exterior – east wall under wood siding – tar paper	Negative	MPT
6	Exterior – north wall under wood siding – tar paper	Negative	MPT
7	Exterior – around south window – caulk	Negative	MCLK
8	Exterior – around east window – caulk	Negative	MCLK
9	Exterior – around north window – caulk	Negative	MCLK
10	Exterior – south wall under vinyl siding – fiberboard	Negative	MFB
11	Exterior – east wall under vinyl siding – fiberboard	Negative	MFB
12	Exterior – north wall under vinyl siding – fiberboard	Negative	MFB
13	Exterior – on north window – glazing compound	Negative	MPG
14	Exterior – on south window – glazing compound	Negative	MPG
15	Exterior – on west window – glazing compound	Negative	MPG
16a	1 st floor – family room – west wall – plaster skim coat	Negative	SPI
16b	1 st floor – family room – west wall – plaster base coat	Negative	SPI
17a	1 st floor – northwest bedroom – west wall – plaster skim coat	Negative	SPI
17b	1 st floor – northwest bedroom – west wall – plaster base coat	Negative	SPI
18a	2 nd floor – front stair – west wall – joint compound layer	Negative	SPI
18b	2 nd floor – front stair – west wall – plaster skim coat	Negative	SPI
18c	2 nd floor – front stair – west wall – plaster base coat	Negative	SPI
19a	2 nd floor – kitchen – east wall – plaster skim coat	Negative	SPI
19b	2 nd floor – kitchen – east wall – plaster base coat	Negative	SPI
20a	2 nd floor – living room – west wall – plaster skim coat	Negative	SPI
20b	2 nd floor – living room – west wall – plaster base coat	Negative	SPI
21	Basement – ceiling – plaster	Negative	SPI
22a	Attic – west wall – plaster skim coat	Negative	SPI

Sample #	Location and Description	Results	Homogeneous Code
22b	Attic – west wall – plaster base coat	Negative	SPI
23	1 st floor – southwest bedroom – on east wall duct – duct paper	Positive 25% Chrysotile	TDW
24	1 st floor – west bedroom – on north wall duct – duct paper	Positive 20% Chrysotile	TDW
25	1 st floor – west bedroom – on north wall duct – duct paper	Positive 30% Chrysotile	TDW
26a	1 st floor – dining room – on north wall – joint compound layer	Negative	MWC
26b	1 st floor – dining room – on north wall – wall covering	Negative	MWC
27a	1 st floor – north bedroom – ceiling – joint compound patch	Negative	MJC
27b	1 st floor – north bedroom – ceiling – joint compound patch layer 2	Negative	MJC
28a	1 st floor – kitchen – ceiling – joint compound patch	Negative	MJC
28b	1 st floor – kitchen – ceiling – joint compound patch layer 2	Negative	MJC
29	2 nd floor – southwest bedroom – ceiling – joint compound patch	Negative	MJC
30a	1 st floor – bathroom – east wall – joint compound	Negative	MDW
30b	1 st floor – bathroom – east wall – joint compound layer 2	Negative	MDW
30c	1 st floor – bathroom – east wall – drywall	Negative	MDW
31a	1 st floor – kitchen – north wall – joint compound	Negative	MDW
31b	1 st floor – kitchen – north wall – joint compound layer 2	Negative	MDW
31c	1 st floor – kitchen – north wall – drywall	Negative	MDW
31d	1 st floor – kitchen – north wall – drywall layer 2	Negative	MDW
32a	2 nd floor – bathroom – north wall – joint compound	Negative	MDW
32b	2 nd floor – bathroom – north wall – joint compound layer 2	Negative	MDW
32c	2 nd floor – bathroom – north wall – drywall	Negative	MDW
33	1 st floor – bathroom – on south wall – yellow mastic	Negative	MWMI
34a	1 st floor – kitchen – center top layer – gray linoleum	Negative	MFLy
34b	1 st floor – kitchen – center top layer – under linoleum – mastic	Negative	MFLy
35a	1 st floor – kitchen – north side top layer – gray linoleum	Negative	MFLy
35b	1 st floor – kitchen – north side top layer – under linoleum – mastic	Negative	MFLy
36a	1 st floor – pantry – top layer – gray linoleum	Negative	MFLy
36b	1 st floor – pantry – top layer – under linoleum – mastic	Negative	MFLy
37	2 nd floor – kitchen – north side top layer – white and gray linoleum	Negative	MFLwy
38	2 nd floor – kitchen – east side top layer – white and gray linoleum	Negative	MFLwy
39	2 nd floor – kitchen – west side top layer – white and gray linoleum	Negative	MFLwy
40a	2 nd floor – closet – white linoleum	Negative	MFLw
40b	2 nd floor – closet – under linoleum – mastic	Negative	MFLw

Sample #	Location and Description	Results	Homogeneous Code
41a	2 nd floor – bathroom – 2 nd layer – tan linoleum	Negative	MFLt
41b	2 nd floor – bathroom – 2 nd layer – under linoleum – mastic	Negative	MFLt
41c	2 nd floor – bathroom – 2 nd layer – under mastic – leveling compound	Negative	MFLt
42a	2 nd floor – bathroom – 4 th layer – yellow linoleum	Negative	MFLI
42b	2 nd floor – bathroom – 4 th layer – under linoleum – mastic	Negative	MFLI
43	2 nd floor – bathroom – 2' x 4' ceiling tile	Negative	MSCT24
44	2 nd floor – bathroom – on south wall – tan mastic	Negative	MWMt
45	2 nd floor – west bedroom – ceiling – texture	Negative	STX
46	2 nd floor – west bedroom – west wall – texture	Negative	STX
47	2 nd floor – west bedroom – south wall – texture	Negative	STX
48	Attic – east side – white and red linoleum	Negative	MFLwr
49	Attic – east side – white and green linoleum	Negative	MFLwg
50	Basement – on floor - <5” diameter magnesia pipe insulation	Positive 30% Chrysotile	TM5
51	Basement – east side - <5” diameter magnesia pipe insulation	Positive 30% Chrysotile	TM5
52	Basement – center - <5” diameter magnesia pipe insulation	Positive 20% Chrysotile	TM5
53	Basement – on chimney – flue packing	Positive 15% Chrysotile	TFP
54	Basement – on floor - <5” diameter pipe insulation fitting	Positive 10% Chrysotile	TF5
55	Basement – south side - <5” diameter pipe insulation fitting	Positive 30% Chrysotile	TF5
56	Basement – east side - <5” diameter pipe insulation fitting	Positive 35% Chrysotile	TF5

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

Material	Homogeneous Code	Location	Approximate Quantity
<5” Diameter Magnesia Pipe Insulation	TM5	Basement Pipes and on Floor Basement on Boiler	220 Ln. Ft. 900 Sq. Ft. of Floor 30 Sq. Ft.
<5” Diameter Pipe Insulation Fitting	TF5	Basement Pipes and on Floor	20 Fittings
Flue Packing	TFP	Basement on Chimney	4 Sq. Ft.
Duct Paper	TDW	1 st Floor Rooms	30 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,000 Sq. Ft.
1 st	Pantry/Bathroom/Kitchen	Floor Tile & Mastic	770 Sq. Ft.
2 nd	Pantry/Bathroom/Kitchen	Floor Tile & Mastic	350 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STX	Texture
MSS	Asphalt Shingle Siding
MPT	Tar paper
MFB	Fiberboard
MCLK	Caulk
MPG	Glazing Compound
MWC	Wall Covering
MJC	Joint Compound Patch
MDW	Drywall/Joint Compound
MWMI	Yellow Wall Mastic
MWMt	tan Wall Mastic
MFLy	Gray Linoleum
MFLwy	White & Gray Linoleum
MFLw	White Linoleum
MFLt	Tan Linoleum
MFLI	Yellow Linoleum
MFLwr	White & Red Linoleum
MFLwg	White & Green Linoleum
MSCT24	2' x 4' Ceiling Tile
TFP	Flue Packing
TDW	Duct Paper
TM5	<5" Diameter Magnesia Pipe Insulation
TF5	<5" Diameter Pipe Insulation Fitting

Note#1: The duct paper, magnesia, fittings, and flue packing are friable and category II non-friable materials and must be abated by a Wisconsin certified asbestos company prior to demolition. Asphalt roofing and floor tile/mastic are category I non friable materials and may remain on the building if the demolition debris will be disposed at a Wisconsin licensed landfill.

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

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

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

Note#5: Additional duct paper, magnesia, 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>17</u>	Fluorescent Lights – 1 st & 2 nd Floor
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS – 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 – 3 Breaker Boxes in Basement

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 10 Gallons of Paint 1st & 2nd Floors

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 248015	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/26/2015	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 04/01/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.928

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Siding	Asbestos Not Present	Cellulose 45	Quartz Tar
002	2	Homogeneous	Gray Siding	Asbestos Not Present	Cellulose 45	Quartz Tar
003	3	Homogeneous	Gray Siding	Asbestos Not Present	Cellulose 45	Quartz Tar
004	4	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 100	
005	5	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 100	
006	6	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 100	
007	7	Homogeneous	Brown Caulk	Asbestos Not Present	Cellulose 3	CaCO3

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.928

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Brown Caulk	Asbestos Not Present	Cellulose 2	CaCO3
009	9	Homogeneous	Brown Caulk	Asbestos Not Present	NA	CaCO3
010	10	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
011	11	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
012	12	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
013	13	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.928

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
015	15	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
016	16	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
016a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
017	17	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
017a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
018	18	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.928

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018a		Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
018b		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
019	19	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
019a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
020	20	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
020a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.928

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
021	21	Homogeneous	White Plaster	Asbestos Not Present	Cellulose 3	Quartz CaCO3
022	22	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
022a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
023	23	Homogeneous	White Insulation	Asbestos Present Chrysotile 25	NA	CaCO3
024	24	Homogeneous	White Insulation	Asbestos Present Chrysotile 20	NA	CaCO3
025	25	Homogeneous	White Insulation	Asbestos Present Chrysotile 30	NA	CaCO3
026	26	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.928

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
026a		Layered	Black Fiberboard	Asbestos Not Present	Cellulose 45	Binder
027	27	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
027a		Layered	White Sheetrock	Asbestos Not Present	NA	Gypsum
028	28	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
028a		Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
029	29	Homogeneous	White Joint Compound	Asbestos Not Present	NA	CaCO3

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.928

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
030	30	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
030a		Layered	Cream Joint Compound	Asbestos Not Present	NA	CaCO3
030b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
031	31	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
031a		Layered	Cream Joint Compound	Asbestos Not Present	NA	CaCO3
031b		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
031c		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
032	32	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
032a		Layered	Cream Joint Compound	Asbestos Not Present	NA	CaCO3
032b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
033	33	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue
034	34	Layered	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
034a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.928

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
035	35	Layered	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
035a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
036	36	Layered	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
036a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
037	37	Homogeneous	Beige Flooring	Asbestos Not Present	NA	Vinyl Foam
038	38	Homogeneous	Beige Flooring	Asbestos Not Present	NA	Vinyl Foam
039	39	Homogeneous	Beige Flooring	Asbestos Not Present	NA	Vinyl Foam

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.928

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
040	40	Layered	Cream Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar
040a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
041	41	Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
041a		Layered	Yellow Sheet Vinyl	Asbestos Not Present	Cellulose 15 Glass Fiber 10	Vinyl
041b		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
041c		Layered	White Leveling Compound	Asbestos Not Present	NA	CaCO3

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
042	42	Layered	Yellow Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
042a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
043	43	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
044	44	Homogeneous	Tan Mastic	Asbestos Not Present	NA	Glue CaCO3
045	45	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
046	46	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
047	47	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
048	48	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 25	Tar
049	49	Homogeneous	Black/Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar
050	50	Homogeneous	Cream Insulation	Asbestos Present Chrysotile 30	Cellulose 2	Gypsum
051	51	Homogeneous	Cream Insulation	Asbestos Present Chrysotile 30	NA	Gypsum
052	52	Homogeneous	Cream Insulation	Asbestos Present Chrysotile 20	NA	Gypsum
053	53	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 15	NA	CaCO3

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

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



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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 248015	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/26/2015	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 04/01/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.928

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
054	54	Homogeneous	Cream Insulation	Asbestos Present Chrysotile 10	NA	Gypsum
055	55	Homogeneous	Tan Insulation	Asbestos Present Chrysotile 30	NA	Gypsum
056	56	Homogeneous	Cream Insulation	Asbestos Present Chrysotile 35	NA	Gypsum

Gayle Ooten, Analyst

4/1/2015

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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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Contact Information		Project Information	
Company:	Harenda Management Group	Project Name:	DNS
Contact:	Dean Jacobsen	Project Location:	Milwaukee, WI
Account #:	B929	Project ID:	15-400-004.928
SAMPLED BY:	Name:	PO. Number:	

Page 1 of 4

For Lab Use Only

Lab No. 248015

Accept Reject

Report Results (one box)

QuanTEM Website

Other_email

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	3/25/15 1700	FedEx	<i>[Signature]</i>	3/26/15 10:00

REQUESTED SERVICES (Please the Appropriate Boxes)

	PLM		TEM		TEM		TURNAROUND TIME	
	Bulk Analysis (EPA 600/R-93/116)	400 Point Count	Air- AHERA	Air- NIOSH 7402	Bulk- Presence / Absence EPA600/R-93/116	Bulk- Quantitative [weight%]- Chatfield	Dust- Presence / Absence	Dust- Quantitative [fibers/sq.cm]- ASTM D5755
<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 checked="" type="checkbox"/>

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



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Lab No. <u>248015</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

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



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Page 3 of 4
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 Lab No. 248015
 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
31	31	<input checked="" type="checkbox"/>				
32	32	<input type="checkbox"/>				
33	33	<input type="checkbox"/>				
34	34	<input type="checkbox"/>				
35	35	<input type="checkbox"/>				
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44	44	<input type="checkbox"/>				
45	45	<input type="checkbox"/>				
46	46	<input type="checkbox"/>				
47	47	<input type="checkbox"/>				
48	48	<input type="checkbox"/>				
49	49	<input type="checkbox"/>				
50	50	<input checked="" type="checkbox"/>				



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 Lab No. 248015
 Accept 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	
51	51	<input checked="" type="checkbox"/>					
52	52	<input type="checkbox"/>					
53	53	<input type="checkbox"/>					
54	54	<input type="checkbox"/>					
55	55	<input type="checkbox"/>					
56	56	<input checked="" type="checkbox"/>					
7		<input type="checkbox"/>					
8		<input type="checkbox"/>					
9		<input type="checkbox"/>					
0		<input type="checkbox"/>					
1		<input 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"/>					
0		<input type="checkbox"/>					

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

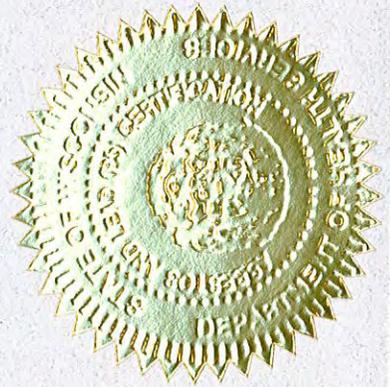
Asbestos Company - Primary

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

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor



ASBESTOS INSPECTOR
Issued By
STATE OF WISCONSIN
Dept. of Health Services



Damian Scott Rogowski
140 E Davis St
Beaver Dam WI 53916-2943

		185 lbs	5' 10"
All-161300	Exp: 03/19/2016	12/01/1980	Male

Training due by: 03/19/2016

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