



ASBESTOS INSPECTION REPORT

Job Site:

**Two Family Dwelling
3164 North 9th 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.: 14-200-042.3164
Contract No.: 360-14-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

November 2014

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 3164 North 9th Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On October 29, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 3164 North 9th Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AI – 12823.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – west wall under wood siding – tar paper	Negative	N/A	MPT
2	Exterior – north wall under wood siding – tar paper	Negative	N/A	MPT
3	Exterior – east wall under wood siding – tar paper	Negative	N/A	MPT
4	Basement – on south side of chimney – near top – gray flue packing	Positive 10% Chrysotile	2 Sq. Ft.	TFPy
5	Basement – on south side of chimney – near middle – light gray flue packing	Negative	N/A	TFPyLight
6	Basement – on south side of chimney – near middle – dark gray flue packing	Negative	N/A	TFPyDark
7	Basement – on ducts – duct paper	Positive 60% Chrysotile	15 Sq. Ft.	TDW
8	Basement – on ducts – duct paper	Positive 60% Chrysotile	Reference Sample 7	TDW
9	Basement – on ducts – duct paper	Positive 60% Chrysotile	Reference Sample 7	TDW
10a	Basement – at bar area north – 9” black and pink floor tile	Positive 8% Chrysotile	650 Sq. Ft.	MF9kp
10b	Basement – at bar area north – under floor tile – black mastic	Positive 3% Chrysotile	650 Sq. Ft.	MF9kp
11a	Basement – at bar area south – 9” black and pink floor tile	Positive 6% Chrysotile	Reference Sample 10a	MF9kp
11b	Basement – at bar area south – under floor tile – black mastic	Positive 2% Chrysotile	Reference Sample 10b	MF9kp
12a	Basement – at bar area center – 9” black and pink floor tile	Positive 8% Chrysotile	Reference Sample 10a	MF9kp
12b	Basement – at bar area center – under floor tile – black mastic	Negative	N/A	MF9kp
13	Basement – at bar area north – 1’ x 1’ ceiling tile	Negative	N/A	MSCT11
14	Basement – at bar area south – 1’ x 1’ ceiling tile	Negative	N/A	MSCT11
15	Basement – at bar area center – 1’ x 1’ ceiling tile	Negative	N/A	MSCT11
16	1 st floor – dining room – on window – glazing compound	Negative	N/A	MPG

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
17	2 nd floor – kitchen – on window – glazing compound	Negative	N/A	MPG
18	2 nd floor – living room – on window – glazing compound	Negative	N/A	MPG
19	1 st floor – kitchen – west wall – drywall	Negative	N/A	MDW
20a	1 st floor – living room – east wall – joint compound	Negative	N/A	MDW
20b	1 st floor – living room – east wall – drywall	Negative	N/A	MDW
21a	2 nd floor – living room – north wall – joint compound	Negative	N/A	MDW
21b	2 nd floor – living room – north wall – drywall	Negative	N/A	MDW
22	1 st floor – bathroom – yellow and blue linoleum	Negative	N/A	MFLb
23a	1 st floor – kitchen – north wall – plaster skim coat	Negative	N/A	SPI
23b	1 st floor – kitchen – north wall – plaster base coat	Negative	N/A	SPI
24a	1 st floor – dining room – west wall – patch layer	Negative	N/A	SPI
24b	1 st floor – dining room – west wall – plaster skim coat	Negative	N/A	SPI
24c	1 st floor – dining room – west wall – plaster base coat	Negative	N/A	SPI
25a	2 nd floor – living room – west wall – plaster skim coat	Negative	N/A	SPI
25b	2 nd floor – living room – west wall – plaster base coat	Negative	N/A	SPI
26a	2 nd floor – west bedroom – east wall – plaster skim coat	Negative	N/A	SPI
26b	2 nd floor – west bedroom – east wall – plaster base coat	Negative	N/A	SPI
27a	2 nd floor – kitchen – north wall – plaster skim coat	Negative	N/A	SPI
27b	2 nd floor – kitchen – north wall – plaster base coat	Negative	N/A	SPI
28	1 st floor – back hall – white linoleum	Negative	N/A	MFLw
29	2 nd floor – living room – west side – tan and white linoleum	Negative	N/A	MFLtw
30	2 nd floor – living room – east side – tan and white linoleum	Negative	N/A	MFLtw
31	2 nd floor – living room – north side – tan and white linoleum	Negative	N/A	MFLtw
32	2 nd floor – kitchen – yellow linoleum	Negative	N/A	MFLl

Notes: N/A = Not Applicable

Sq. Ft. = Square Feet

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,000 Sq. Ft.
1 st	Pantry/Stair	Floor Mastic	40 Sq. Ft.
1 st	Bathroom/Kitchen/Bedroom	Floor Tile & Mastic	420 Sq. Ft.
2 nd	Kitchen/Bathroom	Floor Tile & Mastic	300 Sq. Ft.
2 nd	Living Room	Floor Mastic	320 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MPT	Tar Paper
MF9kp	9" Black & Pink Floor Tile
MSCT11	1' x 1' Ceiling Tile
MPG	Glazing Compound
MDW	Drywall/Joint Compound
MFLlb	Yellow & Blue Linoleum
MFLw	White Linoleum
MFLtw	Tan & White Linoleum
MFLI	Yellow Linoleum
TFPy	Gray Flue Packing
TFPyLight	Light Gray Flue Packing
TFPydark	Dark Gray Flue Packing
TDW	Duct Paper

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

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

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

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

V. EXCLUSIONS

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

* 2 Gas Meters on Exterior

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 243475

Account Number: B929

Date Received: 10/31/2014

Received By: Judy Rowan

Date Analyzed: 11/05/2014

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Dean Jacobsen

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.3164

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 100	
002	2	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 100	
003	3	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 100	
004	4	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 10	Cellulose 15	CaCO3
005	5	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
006	6	Homogeneous	Gray Surfacing	Asbestos Not Present	Wollastonite 20	Paint Binder
007	7	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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Milwaukee, WI 53204

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Project Location: Milwaukee, WI

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
009	9	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
010	10	Layered	Black Floor Tile	Asbestos Present Chrysotile 8	NA	Vinyl CaCO3
010a		Layered	Black Mastic	Asbestos Present Chrysotile 3	NA	Tar
011	11	Layered	Black Floor Tile	Asbestos Present Chrysotile 6	NA	Vinyl CaCO3
011a		Layered	Black Mastic	Asbestos Present Chrysotile 2	NA	Tar
012	12	Layered	Pink Floor Tile	Asbestos Present Chrysotile 8	NA	Vinyl CaCO3

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Dean Jacobsen

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Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.3164

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012a		Layered	Black Mastic	Asbestos Not Present	NA	Tar
013	13	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 80	Paint
014	14	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 80	Paint
015	15	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 80	Paint
016	16	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3
017	17	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3
018	18	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 243475
 Account Number: B929

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

Date Received: 10/31/2014
 Received By: Judy Rowan
 Date Analyzed: 11/05/2014
 Analyzed By: Gayle Ooten
 Methodology: EPA/600/R-93/116

Project: DNS
 Project Location: Milwaukee, WI
 Project Number: 14-200-042.3164

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019	19	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum Paint
020	20	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
020a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
021	21	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
021a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
022	22	Homogeneous	Cream Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
023	23	Layered	White Skim Coat	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
023a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
024	24	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
024a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
024b		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
025	25	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
025a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
026	26	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint

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Account Number: B929	Dean Jacobsen
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Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 11/05/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3164

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
026a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
027	27	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
027a		Layered	Gray Plaster	Asbestos Not Present	NA	Gypsum Perlite
028	28	Homogeneous	Cream Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
029	29	Homogeneous	Beige Flooring	Asbestos Not Present	NA	Vinyl
030	30	Homogeneous	Beige Flooring	Asbestos Not Present	NA	Vinyl
031	31	Homogeneous	Beige Flooring	Asbestos Not Present	NA	Vinyl

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Polarized Light Microscopy Asbestos Analysis Report

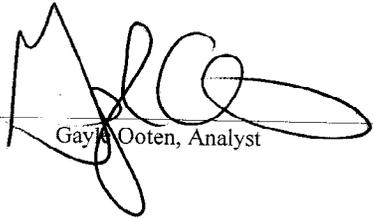
Quantem Lab No. 243475
Account Number: B929

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Dean Jacobsen
1237 West Bruce St.
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Project: DNS
Project Location: Milwaukee, WI
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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
032	32	Homogeneous	Cream Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl


Gayle Ooten, Analyst

11/5/2014
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

LABORATORIES
 www.QuanTEM.com

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	Report Results (one box)
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	<input checked="" type="checkbox"/> QuanTEM Website
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 14-200-042.3164	<input type="checkbox"/> Other_email
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY: <i>Dean Jacobsen</i>	DATE & TIME: 10/20/14 18:00	VIA: FedEx	RECEIVED BY: <i>Judy Rowan</i>	DATE & TIME: 10/31/14 10:00
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REQUESTED SERVICES (Please check the appropriate boxes)

PLM	PLM	PLM	TEM	TEM	TEM	TURNAROUND TIME
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Rush	
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> Same Day	
<input type="checkbox"/> 1000 Point Count	<input type="checkbox"/> PCM	<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/> 24 - Hour	
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Other		<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)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1		<input checked="" type="checkbox"/>			
2		<input type="checkbox"/>			
3		<input type="checkbox"/>			
4		<input type="checkbox"/>			
5		<input type="checkbox"/>			
6		<input type="checkbox"/>			
7		<input type="checkbox"/>			
8		<input type="checkbox"/>			
9		<input type="checkbox"/>			
10		<input checked="" type="checkbox"/>			



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

For Lab Use Only
Lab No. <u>243475</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

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



ASBESTOS CHAIN OF CUSTODY

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. <u>243475</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
31	31	<input checked="" type="checkbox"/>				
32	32	<input checked="" type="checkbox"/>				Do Not Test Justice ↓
33		<input type="checkbox"/>				
34		<input type="checkbox"/>				
35		<input type="checkbox"/>				
36		<input type="checkbox"/>				
37		<input type="checkbox"/>				
38		<input type="checkbox"/>				
39		<input type="checkbox"/>				
40		<input type="checkbox"/>				
41		<input type="checkbox"/>				
42		<input type="checkbox"/>				
43		<input type="checkbox"/>				
44		<input type="checkbox"/>				
45		<input type="checkbox"/>				
46		<input type="checkbox"/>				
47		<input type="checkbox"/>				
48		<input type="checkbox"/>				
49		<input type="checkbox"/>				
50		<input type="checkbox"/>				

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

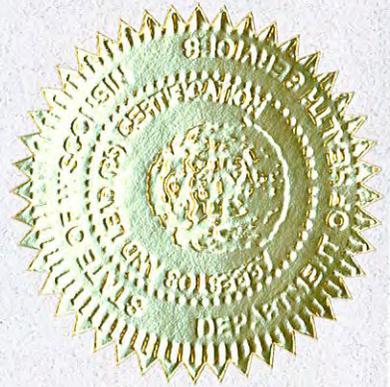
Asbestos Company - Primary

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

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor



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



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

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

Training due by: 03/19/2015

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**Two Family Dwelling
3126 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.: 15-400-004.3126
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

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 dwelling at 3126 North 15th Street, Milwaukee, Wisconsin.

The inspection included plaster, asphalt shingle siding, tar paper, blown in insulation, caulk, ceramic tile, linoleum, drywall/joint compound, window glazing 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 two family dwelling, scheduled for mechanical demolition, located at 3126 North 15th 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, asphalt shingle siding, tar paper, blown in insulation, caulk, ceramic tile, linoleum, drywall/joint compound, window glazing compound, flue packing, and duct paper. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1a	Exterior – west wall under vinyl siding – asphalt shingle siding	Negative	MSS
1b	Exterior – west wall under shingle siding – fiberboard	Negative	MSS
2a	Exterior – north wall under vinyl siding – asphalt shingle siding	Negative	MSS
2b	Exterior – north wall under shingle siding – fiberboard	Negative	MSS
3	Exterior – east wall under vinyl siding – asphalt shingle siding	Negative	MSS
4	Exterior – west wall under wood siding – tar paper	Negative	MPT
5	Exterior – north wall under wood siding – tar paper	Negative	MPT
6	Exterior – east wall under wood siding – tar paper	Negative	MPT
7	Exterior – in west wall – blown in insulation	Negative	MBI
8	Exterior – in north wall – blown in insulation	Negative	MBI
9	Exterior – in east wall – blown in insulation	Negative	MBI
10	Exterior – around windows – white caulk	Negative	MCLKw
11a	1 st floor – front entry – top layer – tan ceramic tile	Negative	MCTMt
11b	1 st floor – front entry – top layer – grout	Negative	MCTMt
11A	2 nd floor – kitchen – top layer north side – tan ceramic tile	Negative	MCTMt
11A	2 nd floor – kitchen – top layer north side – grout	Negative	MCTMt
11B	2 nd floor – kitchen – top layer east side – tan ceramic tile	Negative	MCTMt
11B	2 nd floor – kitchen – top layer east side – grout	Negative	MCTMt
12	1 st floor – front entry – bottom layer – black linoleum	Negative	MFLk
13a	1 st floor – living room – north wall – joint compound	Negative	MDW
13b	1 st floor – living room – north wall – drywall	Negative	MDW
14a	2 nd floor – west bedroom – south wall – joint compound	Negative	MDW
14b	2 nd floor – west bedroom – south wall – drywall	Negative	MDW
15a	1 st floor – hall – north wall – joint compound	Negative	MDW
15b	1 st floor – hall – north wall – drywall	Negative	MDW
16	1 st floor – center bedroom – on window – glazing compound	Negative	MPG
17	1 st floor – west bedroom – on window – glazing compound	Negative	MPG

Sample #	Location and Description	Results	Homogeneous Code
18	Basement – on window – glazing compound	Negative	MPG
19	2 nd floor – east bedroom closet – red linoleum	Negative	MFLr
20a	2 nd floor – kitchen – white flue packing top layer	Negative	TFPw
20b	2 nd floor – kitchen – white flue packing bottom layer	Negative	TFPw
21	2 nd floor – living room – north side under carpet – brown and black linoleum	Negative	MFLnk
22	2 nd floor – living room – south side under carpet – brown and black linoleum	Negative	MFLnk
23	2 nd floor – kitchen – bottom layer – brown and black linoleum	Negative	MFLnk
24	2 nd floor – west bedroom – north side under carpet – blue and tan linoleum	Negative	MFLbt
25	2 nd floor – west bedroom – east side under carpet – blue and tan linoleum	Negative	MFLbt
26	2 nd floor – west bedroom – south side under carpet – blue and tan linoleum	Negative	MFLbt
27	Basement – on chimney – gray flue packing	Negative	TFPy
28	Basement – north side on ducts – duct paper	Positive 80% Chrysotile	TDW
29	Basement – east side on ducts – duct paper	Positive 80% Chrysotile	TDW
30	Basement – west side on ducts – duct paper	Positive 80% Chrysotile	TDW
31	1 st floor – center bedroom – north wall – plaster	Negative	SPI
32	2 nd floor – kitchen – west wall – plaster	Negative	SPI
33	1 st floor – hall – south wall – plaster	Negative	SPI
34	2 nd floor – bathroom – east wall – plaster	Negative	SPI
35	1 st floor – bathroom – north wall – plaster	Negative	SPI
36a	2 nd floor – living room – east wall – plaster skim coat	Negative	SPI
36b	2 nd floor – living room – east wall – plaster base coat	Negative	SPI
37	1 st floor – east bedroom – south wall – plaster	Negative	SPI

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

Material	Homogeneous Code	Location	Approximate Quantity
Duct Paper	TDW	Basement Ducts and on Floor	25 Sq. Ft. on Ducts 50 Sq. Ft. of Floor

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	750 Sq. Ft.
1 st	Living Room/Hall/Bathroom/ Kitchen/Pantry/Bedroom/Stair	Floor Tile & Mastic	850 Sq. Ft.
2 nd	Bathroom	Floor Tile & Mastic	25 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MSS	Asphalt Shingle Siding
MPT	Tar Paper
MBI	Blown in Insulation
MCLKw	White Caulk
MCTMt	Tan Ceramic Tile
MPG	Glazing Compound
MFLk	Black Linoleum
MFLr	Red Linoleum
MFLnk	Brown & Black Linoleum
MFLbt	Blue & Tan Linoleum
MDW	Drywall/Joint Compound
MPG	Glazing Compound
TFPw	White Flue Packing
TFPy	Gray Flue Packing
TDW	Duct Paper

Note#1: The 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>5</u>	Fluorescent Lights – 1 st & 2 nd Floor Living Rooms & Bedrooms
<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>1</u>	Space Heaters – 2 nd Floor Kitchen

ELECTRICAL SYSTEMS – 2 Breaker Boxes in Basement

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

<u>N/A</u>	Hazardous Waste
<u>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. 247400	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/10/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/17/2015	Project: DNS
Analyzed By: Jeff Mlekush	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3126

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Layered	Black Roofing	Asbestos Not Present	Cellulose 10	Tar Sand
001a		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 98	
002	2	Layered	Black Roofing	Asbestos Not Present	Cellulose 10	Tar Sand
002a		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 98	
003	3	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 90	Tar
004	4	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 40	Tar
005	5	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 40	Tar

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

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



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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3126

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006	6	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 40	Tar
007	7	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
008	8	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
009	9	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
010	10	Homogeneous	White Caulk	Asbestos Not Present	Cellulose <1	CaCO3 Silicone Paint
011	11	Layered	Tan Ceramic Tile	Asbestos Not Present	NA	Quartz Clay

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

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Analyzed By: Jeff Mlekush	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3126

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
011a		Layered	White Grout	Asbestos Not Present	NA	Sand Binder
012	11A	Layered	Gray Ceramic Tile	Asbestos Not Present	NA	Quartz Clay
012a		Layered	White Grout	Asbestos Not Present	NA	Sand Binder
013	11B	Layered	Gray Ceramic Tile	Asbestos Not Present	NA	Quartz Clay
013a		Layered	White Grout	Asbestos Not Present	NA	Sand Binder
014	12	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 30	Tar Binder
015	13	Layered	White Joint Compound	Asbestos Not Present	Cellulose 5	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: 15-400-004.3126

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
016	14	Layered	White Joint Compound	Asbestos Not Present	Cellulose 5	CaCO3 Paint
016a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
017	15	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
017a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
018	16	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3 Binder

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

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019	17	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3 Binder
020	18	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3 Binder
021	19	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 50	Tar
022	20	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum
022a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Gypsum
023	21	Homogeneous	White Linoleum	Asbestos Not Present	Cellulose 50	Tar Binder Paint
024	22	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 40	Tar Binder

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

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



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 247400	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/10/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/17/2015	Project: DNS
Analyzed By: Jeff Mlekush	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3126

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
025	23	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 40	Tar Binder
026	24	Homogeneous	Blue Linoleum	Asbestos Not Present	Cellulose 40	Tar Binder
027	25	Homogeneous	Blue Linoleum	Asbestos Not Present	Cellulose 40	Tar Binder
028	26	Homogeneous	Blue Linoleum	Asbestos Not Present	Cellulose 40	Tar Binder
029	27	Homogeneous	Gray Grout	Asbestos Not Present	NA	Sand Binder
030	28	Homogeneous	Gray Paper	Asbestos Present Chrysotile 80	Cellulose 10	CaCO3

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: 15-400-004.3126

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
031	29	Homogeneous	Gray Paper	Asbestos Present Chrysotile 80	Cellulose 10	CaCO3
032	30	Homogeneous	Gray Paper	Asbestos Present Chrysotile 80	Cellulose 10	CaCO3
033	31	Homogeneous	White Plaster	Asbestos Not Present	Hair 3	CaCO3 Sand
034	32	Homogeneous	White Plaster	Asbestos Not Present	Hair 2	Paint CaCO3 Sand
035	33	Homogeneous	White Plaster	Asbestos Not Present	Hair 2	Paint CaCO3 Sand
036	34	Homogeneous	White Plaster	Asbestos Not Present	Hair 2	CaCO3 Sand Paint

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

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Analyzed By: Jeff Mlekush	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3126

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
037	35	Homogeneous	White Plaster	Asbestos Not Present	Hair	2 CaCO3 Paint
038	36	Layered	White Skim Coat	Asbestos Not Present	NA	Paint CaCO3
038a		Layered	White Plaster	Asbestos Not Present	Hair	2 Sand CaCO3
039	37	Homogeneous	White Plaster	Asbestos Not Present	Hair	3 Paint CaCO3 Sand

Jeff Mlekush, Laboratory Manager

3/17/2015

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. <u>247400</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_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: 15-400-004.3126	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY: <u>Dean Jacobsen</u>	DATE & TIME: <u>3/2/15 1800</u>	VIA: <u>FedEx</u>	RECEIVED BY: <u>Judy Rowan</u>	DATE & TIME: <u>3/10/15 10:30</u>
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REQUESTED SERVICES (Please check the Appropriate Boxes)

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

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



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For Lab Use Only
Lab No. <u>247400</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Project Name: DNS	Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11				
12	11A				
13	11B				
14	12				
15	13				
16	14				
17	15				
18	16				
19	17				
20	18				
21	19				
22	20				
23	21				
24	22				
25	23				
26	24				
27	25				
28	26				
29	27				
30	28				



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For Lab Use Only
Lab No. <u>247400</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

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

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

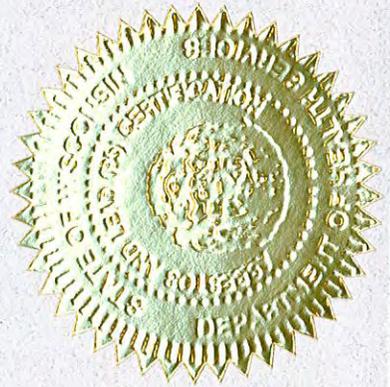
Asbestos Company - Primary

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

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor



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

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

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

Training due by: 03/19/2015

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**Two Family Dwelling
3339 North 17th 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.: 15-400-004.3339

Contract No.: 360-15-0745

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 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 3339 North 17th Street, Milwaukee, Wisconsin.

The inspection included plaster, tar paper, transite siding, caulk, window glazing compound, duct paper, joint compound patch, linoleum, blown in insulation, drywall/joint compound, mortar, ceiling tile, floor tile, cardboard pipe insulation, flue packing, and mastic 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 two family dwelling and garage, scheduled for mechanical demolition, located at 3339 North 17th Street, Milwaukee, Wisconsin. The inspection was conducted by Damian Rogowski, Wisconsin License No. AII – 161300.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, tar paper, transite siding, caulk, window glazing compound, duct paper, joint compound patch, linoleum, blown in insulation, drywall/joint compound, mortar, ceiling tile, floor tile, cardboard pipe insulation, flue packing, and mastic. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1	Garage – south 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	Exterior – east wall – transite siding	Positive 20% Chrysotile	MTP
5	Exterior – west wall – transite siding	Positive 20% Chrysotile	MTP
6	Exterior – south wall – transite siding	Positive 20% Chrysotile	MTP
7	Exterior – around east window – white caulk	Positive 5% Chrysotile	MCLKw
8	Exterior – around west window – white caulk	Negative	MCLKw
9	Exterior – around south window – white caulk	Negative	MCLKw
10	Exterior – on east window – glazing compound	Negative	MPG
11	Exterior – on west window – glazing compound	Negative	MPG
12	Exterior – on south window – glazing compound	Negative	MPG
13a	Exterior – at north side pipe in wall – paper insulation brown layer	Negative	MPI
13b	Exterior – at north side pipe in wall – paper insulation gray layer	Positive 30% Chrysotile	MPI
14	1st floor – living room – on west wall duct – duct paper	Positive 80% Chrysotile	TDW
15	2nd floor – east bedroom – on south wall duct – duct paper	Positive 80% Chrysotile	TDW
16	Basement – on west side duct – duct paper	Positive 80% Chrysotile	TDW
17a	1 st floor – dining room – on ceiling – plaster patch top layer	Negative	SPIP
17b	1 st floor – dining room – on ceiling – plaster patch 2 nd layer	Negative	SPIP
17c	1 st floor – dining room – on ceiling – plaster patch 3 rd layer	Negative	SPIP

Sample #	Location and Description	Results	Homogeneous Code
18a	1 st floor – east bedroom – on south wall – plaster patch top layer	Negative	SPIP
18b	1 st floor – east bedroom – on south wall – plaster patch 2 nd layer	Negative	SPIP
18c	1 st floor – east bedroom – on south wall – plaster patch 3 rd layer	Negative	SPIP
19a	1 st floor – dining room – on south wall – plaster patch 2 nd layer	Negative	SPIP
19b	1 st floor – dining room – on south wall – plaster patch 3 rd layer	Negative	SPIP
20	1 st floor – east bedroom closet top layer – blue linoleum	Negative	MFLb
21	1 st floor – east bedroom closet bottom layer – beige linoleum	Negative	MFLe
22	1 st floor – bathroom – on walls – yellow mastic	Negative	MWMI
23	1 st floor – kitchen – east side top layer – 12” white floor tile	Negative	MF12w
24	1 st floor – kitchen – west side top layer – 12” white floor tile	Negative	MF12w
25	1 st floor – pantry – top layer – 12” white floor tile	Negative	MF12w
26a	1 st floor – kitchen – east side – on tile – mastic	Negative	MF12e
26b	1 st floor – kitchen – east side – under mastic - 12” beige floor tile	Negative	MF12e
26c	1 st floor – kitchen – east side – under beige floor tile – mastic	Negative	MF12e
27a	1 st floor – pantry – on tile – mastic	Negative	MF12e
27b	1 st floor – pantry – under mastic – 12” beige floor tile	Negative	MF12e
27c	1st floor – pantry – under beige floor tile – gray linoleum	Positive 50% Chrysotile	MFLy
27d	1 st floor – pantry – under gray linoleum – tan linoleum	Negative	MFLt
28a	1 st floor – kitchen – west side – on tile – mastic	Negative	MF12e
28b	1 st floor – kitchen – west side – under mastic - 12” beige floor tile	Negative	MF12e
28c	1st floor – kitchen – west side – under beige floor tile – gray linoleum	Positive 50% Chrysotile	MFLy
28d	1 st floor – kitchen – west side – under gray linoleum – tan linoleum	Negative	MFLt
29a	1 st floor – kitchen – east side – under tan linoleum – mastic	Negative	MFLm
29b	1st floor – kitchen – east side – under mastic – multicolored linoleum	Positive 50% Chrysotile	MFLm
29c	1 st floor – kitchen – east side – under multicolored linoleum – beige linoleum	Negative	MFLe
29d	1 st floor – kitchen – east side – under beige linoleum – tar paper	Negative	MFLe
30a	1st floor – pantry – under tan linoleum – multicolored linoleum	Positive 50% Chrysotile	MFLm
30b	1 st floor – pantry – under multicolored linoleum – beige linoleum	Negative	MFLe
30c	1st floor – pantry – under beige linoleum – tar paper	Negative	MFLe

Sample #	Location and Description	Results	Homogeneous Code
31b	1 st floor – kitchen – east side – under multicolored linoleum – beige linoleum	Negative	MFLe
31c	1 st floor – kitchen – east side – under beige linoleum – tar paper	Negative	MFLe
32	1 st floor – kitchen – east side – bottom layer – black linoleum	Negative	MFLk
33	1 st floor – pantry – bottom layer – black linoleum	Negative	MFLk
34	1 st floor – kitchen – west side – bottom layer – black linoleum	Negative	MFLk
35	1 st floor – bathroom – on wall – green and white linoleum	Negative	MFLgw
36	1 st floor – bathroom – in north wall – blown in insulation	Negative	MBI
37	2 nd floor – kitchen – in south wall – blown in insulation	Negative	MBI
38	Attic – under floor – blown in insulation	Negative	MBI
39a	1 st floor – bathroom – 12” gray floor tile	Negative	MF12y
39b	1 st floor – bathroom – under floor tile – mastic	Negative	MF12y
39c	1 st floor – bathroom – under mastic – fiberboard	Negative	MF12y
40a	2 nd floor – kitchen – west wall – joint compound	Negative	MDW
40b	2 nd floor – kitchen – west wall – drywall	Negative	MDW
41a	2 nd floor – bathroom – east wall – joint compound	Negative	MDW
41b	2 nd floor – bathroom – east wall – drywall	Negative	MDW
42a	2 nd floor – west bedroom – east wall – joint compound	Negative	MDW
42b	2 nd floor – west bedroom – east wall – drywall	Negative	MDW
43a	2 nd floor – kitchen – north side on floor – mastic	Negative	MFM
43b	2 nd floor – kitchen – north side on floor – under mastic – paper insulation	Negative	MFM
44	2 nd floor – west bedroom – on floor – mastic/paper insulation	Negative	MFM
45a	2 nd floor – kitchen – south side on floor – mastic	Negative	MFM
45b	2 nd floor – kitchen – south side on floor – under mastic – paper insulation	Negative	MFM
46	1 st floor – bathroom – on floor – mortar	Negative	MCTMM
47a	2 nd floor – bathroom – 1’ x 1’ grooved ceiling tile	Negative	MSCT11
47b	2 nd floor – bathroom – under ceiling tile – mastic	Positive 2% Chrysotile	MSCT11
47b	POINT COUNT RESULT	Positive 2.75% Chrysotile	MSCT11
48	2 nd floor – west bedroom – on ceiling – texture	Negative	STX
49	2 nd floor – east bedroom – north side on ceiling – texture	Negative	STX
50	2 nd floor – east bedroom – east side on ceiling – texture	Negative	STX
51a	Attic – east side – red linoleum	Negative	MFLr
51b	Attic – east side – under linoleum – mastic	Negative	MFLr
52a	2 nd floor – rear stair landing 2 nd layer – red linoleum #2	Positive 30% Chrysotile	MFLr2
52b	2 nd floor – rear stair landing 3 rd layer – red and black linoleum	Negative	MFLrk

Sample #	Location and Description	Results	Homogeneous Code
52c	2 nd floor – rear stair landing 3 rd layer – under red and black linoleum – mastic	Negative	MFLrk
53a	1st floor – rear stair landing 2nd layer – red linoleum #2	Positive 30% Chrysotile	MFLr2
53b	1 st floor – rear stair landing 3 rd layer – red and black linoleum	Negative	MFLrk
54	Basement – rear stair landing 3rd layer – red linoleum #2	Positive 30% Chrysotile	MFLr2
55a	2 nd floor – rear stair landing – top layer – brown linoleum	Negative	MFLn
55b	2 nd floor – rear stair landing – top layer – under brown linoleum – mastic	Negative	MFLn
56	1 st floor – rear stair landing – top layer – brown linoleum	Negative	MFLn
57a	Basement – rear stair landing – top layer – brown linoleum	Negative	MFLn
57b	Basement – rear stair landing – under brown linoleum – brown and black linoleum	Positive 30% Chrysotile	MFLnk
58a	2 nd floor – rear stair landing – 3 rd layer – linoleum backing	Negative	MFLback
58b	2nd floor – rear stair landing – 4th layer – green linoleum	Positive 30% Chrysotile	MFLg
58c	2 nd floor – rear stair landing – 5 th layer – red and brown linoleum	Negative	MFLrn
58d	2 nd floor – rear stair landing – bottom layer – tar paper	Negative	MFLrn
59b	1st floor – rear stair landing – 4th layer – green linoleum	Positive 65% Chrysotile	MFLg
59c	1 st floor – rear stair landing – 5 th layer – red and brown linoleum	Negative	MFLrn
59d	1 st floor – rear stair landing – bottom layer – tar paper	Negative	MFLrn
59d	1 st floor – rear stair landing – bottom layer – under tar paper – mastic	Negative	MFLrn
60a	Basement – rear stair landing – 4 th layer – tan and beige linoleum	Negative	MFLte
60b	Basement – rear stair landing – 5th layer – green linoleum	Positive 30% Chrysotile	MFLg
60c	1 st floor – rear stair landing – 6 th layer – red and brown linoleum	Negative	MFLrn
60d	1 st floor – rear stair landing – bottom layer – tar paper	Negative	MFLrn
61	Basement – east side at gas pipe – tan caulk	Positive 2% Chrysotile	MCLKt
61	POINT COUNT RESULT	Positive 2.25% Chrysotile	MCLKt
62	Basement – on south wall at old electric box – brown caulk	Positive 8% Chrysotile	MCLKn
63a	Basement – east side – 9” tan floor tile	Positive 5% Chrysotile	MF9t
63b	Basement – east side – under floor tile – black mastic	Negative	MF9t
64b	Basement – south side – under floor tile – black mastic	Negative	MF9t

Sample #	Location and Description	Results	Homogeneous Code
65b	Basement – west side – under floor tile – black mastic	Negative	MF9t
66a	Basement – west side - <5” diameter cardboard pipe insulation – gray layer	Positive 60% Chrysotile	TC5
66b	Basement – west side - <5” diameter cardboard pipe insulation – brown layer	Negative	TC5
67a	Basement – north side - <5” diameter cardboard pipe insulation – gray layer	Positive 60% Chrysotile	TC5
67b	Basement – north side - <5” diameter cardboard pipe insulation – brown layer	Negative	TC5
68	Basement – south side - <5” diameter cardboard pipe insulation – brown layer	Negative	TC5
69	Basement – north side – 1’ x 1’ smooth ceiling tile	Negative	MSCT11S
70	Basement – on chimney – flue packing	Negative	TFP
71	Basement – bathroom – on south wall – insulation pad	Positive 60% Chrysotile	TIP
72	1 st floor – kitchen – west wall – plaster	Negative	SP1
73	2 nd floor – dining room – south wall – plaster	Negative	SP1
74	1 st floor – stair – north wall – plaster	Negative	SP1
75	2 nd floor – living room – east wall – plaster	Negative	SP1
76a	1 st floor – dining room – north wall – plaster skim coat	Negative	SP1
76b	1 st floor – dining room – north wall – plaster base coat	Negative	SP1
77a	2 nd floor – kitchen – south wall – plaster skim coat	Negative	SP1
77b	2 nd floor – kitchen – south wall – plaster base coat	Negative	SP1
78a	Basement – bathroom – south wall – plaster skim coat	Negative	SP1
78b	Basement – bathroom – south wall – plaster base coat	Negative	SP1
79a	1 st floor – bathroom – north wall – joint compound patch	Negative	SP12
79b	1 st floor – bathroom – north wall – plaster #2 skim coat	Negative	SP12
79c	1 st floor – bathroom – north wall – plaster #2 base coat	Negative	SP12
80a	1 st floor – bathroom – ceiling – joint compound patch	Negative	SP12
80b	1 st floor – bathroom – ceiling – plaster #2 skim coat	Negative	SP12
80c	1 st floor – bathroom – ceiling – plaster #2 base coat	Negative	SP12
81a	1 st floor – bathroom – north wall – joint compound patch	Negative	SP12
81b	1 st floor – bathroom – north wall – joint compound patch #2	Negative	SP12
81c	1 st floor – bathroom – north wall – plaster #2 skim coat	Negative	SP12
81d	1 st floor – bathroom – north wall – plaster #2 base coat	Negative	SP12

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

Material	Homogeneous Code	Location	Approximate Quantity
Transite Siding	MTP	Exterior Walls	1,700 Sq. Ft.
White Caulk	MCLKw	Exterior Windows	30 Windows
Paper Insulation	MPI	Exterior at North Side Pipe	6 Sq. Ft.
Duct Paper	TDW	All Floors	180 Sq. Ft.
Gray Linoleum & Multicolored Linoleum	MFLy & MFLm	1 st Floor Pantry & Kitchen Under Floor Tile	220 Sq. Ft.
Red Linoleum #2, Green Linoleum, Brown & Black Linoleum	MFLr2, MFLg, MFLnk	Rear Stair 2 nd – 5 th Layers	240 Sq. Ft.
Mastic Under Ceiling Tile	MSCT11G	2 nd Floor Bathroom	50 Sq. Ft.
Tan Caulk	MCLKt	Basement East Side at Gas Pipe	1 Sq. Ft.
Brown Caulk	MCLKn	Basement South Wall at Electrical Box	1 Sq. Ft.
9" Tan Floor Tile	MF9t	Basement	560 Sq. Ft.
<5" Diameter Cardboard Pipe Insulation	TC5	Basement	160 Ln. Ft.
Insulation Pad	TIP	Basement Bathroom South Wall	3 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	700 Sq. Ft.
Roof	Garage	Asphalt Shingles & Flashing	200 Sq. Ft.

Homogeneous Material Codes

SP1	Plaster
SP12	Plaster #2
SP1P	Plaster Patch
STX	Texture
MTP	Transite
MPT	Tar Paper
MCLKw	White Caulk
MCLKt	Tan Caulk
MCLKn	Brown Caulk
MPG	Glazing Compound
MPI	Paper Insulation
MPG	Glazing Compound
MFLb	Blue Linoleum
MFLe	Beige Linoleum
MFLy	Gray Linoleum
MFLt	Tan Linoleum
MFLm	Multicolored Linoleum
MFLgw	Green & White Linoleum
MFLr	Red Linoleum
MFLr2	Red Linoleum #2
MFLrk	Red & Black Linoleum
MFLn	Brown Linoleum

Homogeneous Material Codes

MFLnk	Brown & Black Linoleum
MFLrn	Red & Brown Linoleum
MFLte	Tan & Beige Linoleum
MFLback	Linoleum Backing
MWMI	Yellow Wall Mastic
MF12w	12" White Floor Tile
MF12e	12" Beige Floor Tile
MF12y	12" Gray Floor Tile
MF9t	9" Tan Floor Tile
MBI	Blown in Insulation
MFM	Floor Mastic
MCTMM	Mortar
MSCT11G	1' x 1' Grooved Ceiling Tile
MSCT11S	1' x 1' Smooth Ceiling Tile
MDW	Drywall/Joint Compound
TFP	Flue Packing
TIP	Insulation Pad
TDW	Duct Paper
TC5	<5" Diameter Cardboard Pipe Insulation

Note#1: The transite siding, caulks, paper insulation, linoleums, insulation pad, and duct paper 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. The floor tile in the basement must be abated by a Wisconsin certified asbestos company if the basement floor will be recycled.

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 and pipe insulation may be within walls and ceilings.

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

<u>6</u>	Fluorescent Lights – 1 st Floor Front Entry, Dining Room, Kitchen & Bedrooms
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

<u>1</u>	Old Thermostats – 2 nd 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 – 2 Furnaces in Basement

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

ELECTRICAL SYSTEMS – 2 Breaker Boxes in Basement

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

<u>N/A</u>	Hazardous Waste
<u>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. 247454	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/10/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/17/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3339

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Brown Tar Paper	Asbestos Not Present	Cellulose 75	Tar
002	2	Homogeneous	White/Black Roofing	Asbestos Not Present	Cellulose 60	Tar Paint
003	3	Homogeneous	Gray Roofing	Asbestos Not Present	Cellulose 60	Tar Mica
004	4	Homogeneous	Gray Transite	Asbestos Present Chrysotile 20	NA	CaCO3
005	5	Homogeneous	Gray Transite	Asbestos Present Chrysotile 20	NA	CaCO3
006	6	Homogeneous	Gray Transite	Asbestos Present Chrysotile 20	NA	CaCO3
007	7	Homogeneous	White Window Glazing	Asbestos Present Chrysotile 5	NA	CaCO3

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3339

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

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3339

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013a		Layered	Gray Insulation	Asbestos Present Chrysotile 30	Cellulose	5 CaCO3 Binder
014	14	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 80	Cellulose	10 Binder
015	15	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 80	Cellulose	10 Binder
016	16	Homogeneous	Gray Gasket	Asbestos Present Chrysotile 60	Synthetic	50
017	17	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz Gypsum CaCO3
017a		Layered	Gray Plaster	Asbestos Not Present	NA	Gypsum Perlite
017b		Layered	White Sheetrock	Asbestos Not Present	Cellulose	20 Gypsum

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3339

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018	18	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
018a		Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
018b		Layered	Tan Plaster	Asbestos Not Present	NA	Quartz CaCO3
019	19	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
019a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Gypsum
020	20	Homogeneous	Blue Linoleum	Asbestos Not Present	Cellulose 25	Tar

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3339

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
021	21	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar Binder
022	22	Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
022a		Layered	White Texture	Asbestos Not Present	Cellulose <1	Gypsum CaCO3
023	23	Homogeneous	White Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
024	24	Homogeneous	White Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
025	25	Homogeneous	Beige Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
026	26	Layered	Yellow Mastic	Asbestos Not Present	NA	Glue

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3339

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
026a		Layered	Beige Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
026b		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
027	27	Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
027a		Layered	Beige Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
027b		Layered	Gray Flooring	Asbestos Present Chrysotile 50	Cellulose 30	Binder
027c		Layered	Gray Linoleum	Asbestos Not Present	Cellulose 25 Synthetic 15	CaCO3

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
028	28	Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
028a		Layered	Beige Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
028b		Layered	Gray Flooring	Asbestos Present Chrysotile 50	Cellulose 30	Binder
028c		Layered	Tan Linoleum	Asbestos Not Present	Cellulose 25 Synthetic 15	CaCO3
029	29	Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
029a		Layered	Gray Flooring	Asbestos Present Chrysotile 50	Cellulose 30	Binder
029b		Layered	Tan Linoleum	Asbestos Not Present	Cellulose 25 Synthetic 15	CaCO3

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
029c		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
030	30	Layered	Gray Flooring	Asbestos Present Chrysotile 50	Cellulose 30	Binder
030a		Layered	Tan Linoleum	Asbestos Not Present	Cellulose 25 Synthetic 15	CaCO3
030b		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
031	31	Layered	Yellow Mastic	Asbestos Present Chrysotile 8	Cellulose 3	Glue
031a		Layered	Tan Linoleum	Asbestos Not Present	Cellulose 25 Synthetic 15	CaCO3

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
031b		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
032	32	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
033	33	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
034	34	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
035	35	Homogeneous	Green Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar
036	36	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
037	37	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3339

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
038	38	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
039	39	Layered	Gray Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
039a		Layered	Clear Caulk	Asbestos Not Present	NA	Silicone
039b		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
040	40	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
040a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
041	41	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
041a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
042	42	Layered	White Texture	Asbestos Not Present	NA	Talc CaCO3 Paint
042a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
043	43	Layered	White Mastic	Asbestos Not Present	NA	Glue
043a		Layered	Brown Paper	Asbestos Not Present	Cellulose 100	
044	44	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 100	

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 247454	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/10/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/17/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3339

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
045	45	Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
045a		Layered	Brown Paper	Asbestos Not Present	Cellulose 100	
046	46	Layered	Green Ceramic Tile	Asbestos Not Present	NA	Clay
046a		Layered	White Grout	Asbestos Not Present	NA	Quartz CaCO3
046b		Layered	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
047	47	Layered	White Ceiling Tile	Asbestos Not Present	Cellulose 20 Glass Fiber 45	Paint

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Polarized Light Microscopy Asbestos Analysis Report

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Date Analyzed: 03/17/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3339

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
047a		Layered	Gray Mastic	Asbestos Present Chrysotile 2	NA	Glue
048	48	Homogeneous	White Ceiling Texture	Asbestos Not Present	NA	CaCO3 Paint
049	49	Homogeneous	White Ceiling Texture	Asbestos Not Present	NA	CaCO3 Paint
050	50	Homogeneous	White Ceiling Texture	Asbestos Not Present	NA	CaCO3 Paint
051	51	Layered	Red Linoleum	Asbestos Not Present	Cellulose 25	Tar
051a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
052	52	Layered	Brown Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl

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Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/17/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3339

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
052a		Layered	Red Linoleum	Asbestos Not Present	Cellulose 25 Synthetic 15	CaCO3
052b		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
053	53	Layered	Brown Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl
053a		Layered	Red Linoleum	Asbestos Not Present	Cellulose 25 Synthetic 10	CaCO3
054	54	Homogeneous	Brown Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl
055	55	Layered	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl

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Polarized Light Microscopy Asbestos Analysis Report

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Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/17/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3339

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
055a		Layered	White Mastic	Asbestos Not Present	NA	Glue
056	56	Homogeneous	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
057	57	Layered	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
057a		Layered	Dark Brown Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl
058	58	Layered	Beige Sheet Vinyl Backing	Asbestos Not Present	Cellulose 60	CaCO3
058a		Layered	Brown Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl
058b		Layered	Red Linoleum	Asbestos Not Present	Cellulose 15 Synthetic 10	CaCO3

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Date Analyzed: 03/17/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3339

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
058c		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
059	59	Layered	Beige Sheet Vinyl Backing	Asbestos Present Chrysotile 65	NA	Binder
059a		Layered	Red Linoleum	Asbestos Not Present	Cellulose 20 Synthetic 15	CaCO3
059b		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
059c		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
060	60	Layered	Tan Sheet Vinyl Backing	Asbestos Not Present	Cellulose 60	CaCO3

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Date Analyzed: 03/17/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3339

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
060a		Layered	Brown Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl
060b		Layered	Red Linoleum	Asbestos Not Present	Cellulose 25 Synthetic 10	CaCO3
060c		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
061	61	Homogeneous	Beige Putty	Asbestos Present Chrysotile 2	NA	CaCO3
062	62	Homogeneous	Brown Putty	Asbestos Present Chrysotile 8	NA	CaCO3 Binder
063	63	Layered	Tan Floor Tile	Asbestos Present Chrysotile 5	NA	Vinyl CaCO3
063a		Layered	Black Mastic	Asbestos Not Present	NA	Tar

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Date Analyzed: 03/17/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3339

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
064	64	Layered	Tan Floor Tile	Asbestos Present Chrysotile 5	NA	Vinyl CaCO3
064a		Layered	Black Mastic	Asbestos Not Present	NA	Tar
065	65	Layered	Tan Floor Tile	Asbestos Present Chrysotile 5	NA	Vinyl CaCO3
065a		Layered	Black Mastic	Asbestos Not Present	NA	Tar
066	66	Layered	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
066a		Layered	Brown Insulation	Asbestos Not Present	Cellulose 100	

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3339

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
067	67	Layered	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
067a		Layered	Brown Insulation	Asbestos Not Present	Cellulose 100	
068	68	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
069	69	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
070	70	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose <1 Glass Fiber 20	CaCO3
071	71	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
072	72	Homogeneous	Tan Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3339

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
073	73	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
074	74	Homogeneous	Tan Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
075	75	Homogeneous	Tan Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
076	76	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
076a		Layered	Gray Plaster	Asbestos Not Present	Synthetic 10	Quartz CaCO3
077	77	Layered	Tan Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3339

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
077a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
078	78	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
078a		Layered	Gray Plaster	Asbestos Not Present	NA	Gypsum Perlite
079	79	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
079a		Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
079b		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: 15-400-004.3339

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
080	80	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
080a		Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3
080b		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
081	81	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
081a		Layered	White Texture	Asbestos Not Present	NA	Quartz CaCO3
081b		Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
081c		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3339

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

Gayle Ooten, Analyst

3/17/2015

Date of Report

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LABORATORIES
 www.QuanTEM.com

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 Lab No. 247454
 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: 15-400-004.3339	
SAMPLED BY: _____	Name: _____	P.O. Number: _____	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	3/9/15 1800	FedEx	<i>Judy Rowan</i>	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"/> 400 Point Count	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Other	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> Dust- Quantitative [fbbers/sq.cm]- ASTM D5755	<input type="checkbox"/> Other	<input type="checkbox"/> Rush	<input type="checkbox"/> Same Day	<input type="checkbox"/> 24 - Hour	<input type="checkbox"/> 3 - Day	<input checked="" type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1		<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>247454</u>
<input type="checkbox"/> Accept <input type="checkbox"/> Reject

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



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Lab No. <u>247454</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI			
Company: Harenda Management Group						
No.	Sample ID (10 Characters Max)	To Be Analyzed <input checked="" type="checkbox"/>	Color	Description	Volume / Area (as applicable)	Comments / Notes
31		<input checked="" type="checkbox"/>				
32		<input type="checkbox"/>				
33		<input type="checkbox"/>				
34		<input type="checkbox"/>				
35		<input type="checkbox"/>				
36		<input type="checkbox"/>				
37		<input type="checkbox"/>				
38		<input type="checkbox"/>				
39		<input type="checkbox"/>				
40		<input type="checkbox"/>				
41		<input type="checkbox"/>				
42		<input type="checkbox"/>				
43		<input type="checkbox"/>				
44		<input type="checkbox"/>				
45		<input type="checkbox"/>				
46		<input type="checkbox"/>				
47		<input type="checkbox"/>				
48		<input type="checkbox"/>				
49		<input type="checkbox"/>				
50		<input checked="" type="checkbox"/>				



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Lab No. <u>247454</u>
<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	Color	Description	Volume / Area (as applicable)	Comments / Notes
<u>51</u>					
<u>52</u>					
<u>53</u>					
<u>54</u>					
<u>55</u>					
<u>56</u>					
<u>57</u>					
<u>58</u>					
<u>59</u>					
<u>60</u>					
<u>61</u>					
<u>62</u>					
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<u>64</u>					
<u>65</u>					
<u>66</u>					
<u>67</u>					
<u>68</u>					
<u>69</u>					
<u>70</u>					



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

Project Information		Project Name: DNS	Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	Color	Description	Volume / Area (as applicable)	Comments / Notes
71	71				
72	72				
73	73				
74	74				
75	75				
76	76				
77	77				
78	78				
79	79				
80	80				
81	81				
__2					
__3					
__4					
__5					
__6					
__7					
__8					
__9					
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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. 248005	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: 03/26/2015	Project: PTCT for 247454, DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3339

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	47	Homogeneous	Gray Mastic	Asbestos Present Chrysotile 2.75 400 Point Count	NA	
002	61	Homogeneous	Beige Putty	Asbestos Present Chrysotile 2.25 400 Point Count	NA	

Gayle Ooten, Analyst

3/26/2015

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only

Lab No. 248005

Accept Reject

Report Results one box

QuanTEM Website

Other email

Contact Information		Project Information	
Company: Hatenda 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: 15-400-004-3339	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	3/26/15 12:30	Email	<i>[Signature]</i>	3/26/15 12:30

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	NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed <input checked="" type="checkbox"/>	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	47	<input checked="" type="checkbox"/>		mastic		Quantem Lab #247454
2	61	<input checked="" type="checkbox"/>				
3		<input type="checkbox"/>				
4		<input type="checkbox"/>				
5		<input type="checkbox"/>				
6		<input type="checkbox"/>				
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
10		<input type="checkbox"/>				

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

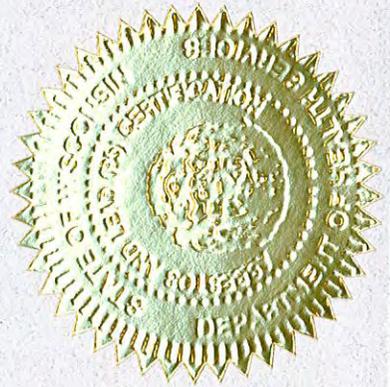
Asbestos Company - Primary

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

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor



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

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

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

Training due by: 03/19/2015

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**Fire Damaged
One Family Dwelling
3578 North 19th 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.: 15-400-004.3578
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

October 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 3578 North 19th Street, Milwaukee, Wisconsin.

The inspection included plaster, transite siding, asphalt shingle siding, tar paper, blown in insulation, ceramic tile, fiberboard, linoleum, flue packing, window glazing compound, and drywall/joint compound to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M 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 September 22, 2015, HMG conducted an asbestos inspection of a one family dwelling and garage, scheduled for mechanical demolition, located at 3578 North 19th 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, asphalt shingle siding, tar paper, blown in insulation, ceramic tile, fiberboard, linoleum, flue packing, window glazing compound, and drywall/joint 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 25% Chrysotile	MTP
2	Exterior – south wall – transite siding	Positive 25% Chrysotile	MTP
3	Exterior – east wall – transite siding	Positive 25% Chrysotile	MTP
4	Exterior – west wall under transite – asphalt shingle siding	Negative	MSS
5	Exterior – south wall under transite – asphalt shingle siding	Negative	MSS
6	Exterior – east wall under transite – asphalt shingle siding	Negative	MSS
7	Exterior – west wall – under asphalt shingle siding – tar paper	Negative	MPT
8	Exterior – south wall – under asphalt shingle siding – tar paper	Negative	MPT
9	Exterior – east wall – under asphalt shingle siding – tar paper	Negative	MPT
10	1 st floor – living room – on floor – blown in insulation	Negative	MBI
11	1 st floor – kitchen – in south wall – blown in insulation	Negative	MBI
12	2 nd floor – sitting room – in west wall – blown in insulation	Negative	MBI
13	1 st floor – front entry floor – tan ceramic tile	Negative	MCTMt
14	2 nd floor – bathroom – on north wall – brown ceramic tile	Negative	MCTMn
15a	2 nd floor – bathroom floor – brown ceramic tile	Negative	MCTMn
15b	2 nd floor – bathroom floor – grout	Negative	MCTMn
16	2 nd floor – bathroom – on south wall – brown ceramic tile	Negative	MCTMn
17	1 st floor – front entry floor – under ceramic tile – white fiberboard	Negative	MFBw
18	2 nd floor – bathroom – on north wall – under ceramic tile – tan fiberboard	Negative	MFBt
19a	2 nd floor – bathroom floor – under ceramic tile – tan fiberboard	Negative	MFBt

Sample #	Location and Description	Results	Homogeneous Code
19b	2 nd floor – bathroom floor – on fiberboard – mortar	Negative	MFBt
20	2 nd floor – bathroom – on south wall – under ceramic tile – tan fiberboard	Negative	MFBt
21	2nd floor – sitting room – under carpet – white linoleum	Positive 30% Chrysotile	MFLw
22	Basement – on chimney – flue packing	Negative	TFP
23	1 st floor – living room – on window – glazing compound	Negative	MPG
24	2 nd floor – bedroom – on window – glazing compound	Negative	MPG
25	Basement – on window – glazing compound	Negative	MPG
26a	2 nd floor – sitting room – north wall – joint compound	Negative	MDW
26b	2 nd floor – sitting room – north wall – joint compound layer 2	Negative	MDW
26c	2 nd floor – sitting room – north wall – joint compound layer 3	Negative	MDW
26d	2 nd floor – sitting room – north wall – drywall	Negative	MDW
27a	2 nd floor – sitting room – south wall – joint compound	Negative	MDW
27b	2 nd floor – sitting room – south wall – joint compound layer 2	Negative	MDW
27c	2 nd floor – sitting room – south wall – joint compound layer 3	Negative	MDW
27d	2 nd floor – sitting room – south wall – drywall	Negative	MDW
28a	2 nd floor – bathroom – east wall – joint compound	Negative	MDW
28b	2 nd floor – bathroom – east wall – joint compound layer 2	Negative	MDW
28c	2 nd floor – bathroom – east wall – joint compound layer 3	Negative	MDW
28d	2 nd floor – bathroom – east wall – drywall	Negative	MDW
29a	1 st floor – east room – north wall – joint compound layer	Negative	SPI
29b	1 st floor – east room – north wall – plaster	Negative	SPI
30a	1 st floor – hall – south wall – joint compound layer	Negative	SPI
30b	1 st floor – hall – south wall – plaster	Negative	SPI
31	2 nd floor – sitting room – south wall – plaster	Negative	SPI
32	2 nd floor – middle room – ceiling – plaster	Negative	SPI
33a	2 nd floor – bedroom – west wall – plaster skim coat	Negative	SPI
33b	2 nd floor – bedroom – west wall – plaster base coat	Negative	SPI
34a	2 nd floor – living room – north wall – plaster skim coat	Negative	SPI
34b	2 nd floor – living room – north wall – plaster base coat	Negative	SPI
35a	2 nd floor – living room – south wall – joint compound layer	Negative	SPI
35b	2 nd floor – living room – south wall – plaster skim coat	Negative	SPI
35c	2 nd floor – living room – south wall – plaster base coat	Negative	SPI

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

Material	Homogeneous Code	Location	Approximate Quantity
Transite Siding	MTP	Exterior Walls	2,000 Sq. Ft.
White Linoleum	MFLw	2 nd Floor Siting Room Under Carpet	130 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	700 Sq. Ft.
Roof	Garage	Asphalt Shingles & Flashing	250 Sq. Ft.
1 st	Stair	Floor Tile & Mastic	100 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MTP	Transite Siding
MSS	Asphalt Shingle Siding
MPT	Tar Paper
MBI	Blown in Insulation
MCTMt	Tan Ceramic Tile
MCTMn	Brown Ceramic Tile
MFBw	White Fiberboard
MFBt	Tan Fiberboard
MFLw	White Linoleum
MPG	Glazing Compound
MDW	Drywall/Joint Compound
TFP	Flue Packing

Note#1: The white linoleum and the transite siding 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.

V. EXCLUSIONS

Living room and kitchen floors covered with fire debris and not accessible. Attic and garage interior not 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>1</u>	Air Conditioners (roof top, room , and central) – Basement
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>N/A</u>	Refrigerators, Freezers, Chillers
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>N/A</u>	Fire Extinguishers (both portable and installed HALON suppression systems)
<u>N/A</u>	Water Coolers

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

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

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

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 1 Gas Meter & 20 Gallons Paint in Basement

VIII. LABORATORY RESULTS



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Polarized Light Microscopy Asbestos Analysis Report

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Date Received: 10/05/2015	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 10/05/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004-3578

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Transite	Asbestos Present Chrysotile 25	NA	CaCO3
002	2	Homogeneous	Gray Transite	Asbestos Present Chrysotile 25	NA	CaCO3
003	3	Homogeneous	Gray Transite	Asbestos Present Chrysotile 25	NA	CaCO3
004	4	Homogeneous	Brown/Gray Shingle	Asbestos Not Present	Synthetic	20 Sand Tar
005	5	Homogeneous	Brown/Gray Shingle	Asbestos Not Present	Synthetic	20 Sand Tar
006	6	Homogeneous	Brown/Gray Shingle	Asbestos Not Present	Synthetic	20 Sand Tar
007	7	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose	60 Tar

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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	Cellulose 60	Tar
010	10	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
011	11	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
012	12	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
013	13	Homogeneous	Brown Ceramic Tile	Asbestos Not Present	NA	Clay

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Homogeneous	Brown Ceramic Tile	Asbestos Not Present	NA	Clay
015	15	Layered	Brown Ceramic Tile	Asbestos Not Present	NA	Clay
015a		Layered	Gray Grout	Asbestos Not Present	NA	Sand CaCO3
016	16	Homogeneous	Brown Ceramic Tile	Asbestos Not Present	NA	Clay
017	17	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 70	Gypsum Binder
018	18	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 70	Gypsum Binder
019	19	Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 70	Gypsum Binder

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019a		Layered	Gray Grout	Asbestos Not Present	NA	Sand CaCO3
020	20	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 70	Gypsum Binder
021	21	Homogeneous	Tan Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl
022	22	Homogeneous	Gray Cement	Asbestos Not Present	Wollastonite 40	Binder
023	23	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3
024	24	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
025	25	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
026	26	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
026a		Layered	White Texture	Asbestos Not Present	NA	Talc CaCO3
026b		Layered	White Joint Compound	Asbestos Not Present	Cellulose	3 Talc CaCO3
026c		Layered	White Sheetrock	Asbestos Not Present	Cellulose	25 Gypsum
027	27	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
027a		Layered	White Texture	Asbestos Not Present	NA	CaCO3

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

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



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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 255463	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 10/05/2015	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 10/05/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004-3578

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
027b		Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
027c		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
028	28	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
028a		Layered	White Texture	Asbestos Not Present	NA	CaCO3
028b		Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
028c		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum

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

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Date Analyzed: 10/05/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004-3578

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
029	29	Layered	Tan Texture	Asbestos Not Present	NA	CaCO3 Paint
029a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3 Paint
030	30	Layered	Tan Texture	Asbestos Not Present	NA	CaCO3 Paint
030a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3 Paint
031	31	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3 Paint
032	32	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3 Paint

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

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 255463	Client: Harendra Management Group
Account Number: B929	Dean Jacobsen
Date Received: 10/05/2015	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 10/05/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004-3578

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
033	33	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint
033a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
034	34	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint
034a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
035	35	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
035a		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.

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. 255463	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 10/05/2015	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 10/05/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004-3578

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
035b		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3

Gayle Ooten, Analyst

10/5/2015

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. <u>255463</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_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: 15-400-004-3578	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	10/2/15	Package	<i>[Signature]</i>	10/5/15 10:00

REQUESTED SERVICES (Please the Appropriate Boxes)

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

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



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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. <u>255463</u>
Accept <input type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Project Name: DNS	Project Location: Milwaukee, WI
Company: Harenda Management Group		Color	
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Description
			Volume / Area (as applicable)
			Comments / Notes
11	11	<input 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 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>255963</u>
<input 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 <input checked="" type="checkbox"/>	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	31	<input type="checkbox"/>				
32	32	<input type="checkbox"/>				
33	33	<input type="checkbox"/>				
34	34	<input type="checkbox"/>				
35	35	<input type="checkbox"/>				
36		<input type="checkbox"/>				
37		<input type="checkbox"/>				
38		<input type="checkbox"/>				
39		<input type="checkbox"/>				
40		<input type="checkbox"/>				
41		<input type="checkbox"/>				
42		<input type="checkbox"/>				
43		<input type="checkbox"/>				
44		<input type="checkbox"/>				
45		<input type="checkbox"/>				
46		<input type="checkbox"/>				
47		<input type="checkbox"/>				
48		<input type="checkbox"/>				
49		<input type="checkbox"/>				
50		<input type="checkbox"/>				

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

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

September 18, 2015

JAZMIN K C SPEARS
1237 W BRUCE ST
MILWAUKEE WI 53204-1218

ID# AII-111055

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

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

	198 lbs	5' 08"
AII-111055	Exp: 04/24/2016	10/19/1974
		Male

Training due by: 04/24/2016



ASBESTOS INSPECTION REPORT

Job Site:

**Two Family Dwelling
4058 North 19th 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.: 15-400-004.4058
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

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 dwelling at 4058 North 19th Place, Milwaukee, Wisconsin.

The inspection included plaster, blown in insulation, duct paper, window glazing compound, linoleum, tar paper, leveling compound, ceramic tile, flue packing, and mastic 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 14, 2015, HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 4058 North 19th Place, Milwaukee, Wisconsin. The inspection was conducted by Craig Dekutowski, Wisconsin License No. AII – 500.

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, blown in insulation, duct paper, window glazing compound, linoleum, tar paper, leveling compound, ceramic tile, flue packing, and mastic. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1a	2 nd floor – kitchen – west wall – joint compound patch	Positive 3% Chrysotile	MJC
1a	POINT COUNT RESULT	Positive 1.25% Chrysotile	MJC
1b	2 nd floor – kitchen – west wall – plaster skim coat	Negative	SPI
1c	2 nd floor – kitchen – west wall – plaster base coat	Negative	SPI
1d	2 nd floor – kitchen – west wall – drywall	Negative	SPI
2a	2 nd floor – north bedroom – west wall – plaster skim coat	Negative	SPI
2b	2 nd floor – north bedroom – west wall – plaster base coat	Negative	SPI
2c	2 nd floor – north bedroom – west wall – drywall	Negative	SPI
3a	1 st floor – front room – ceiling – joint compound patch	Negative	SPI
3b	1 st floor – front room – ceiling – plaster skim coat	Negative	SPI
3c	1 st floor – front room – ceiling – plaster base coat	Negative	SPI
4a	1 st floor – front room – ceiling – plaster skim coat	Negative	SPI
4b	1 st floor – front room – ceiling – plaster base coat	Negative	SPI
5a	1 st floor – dining room – by arch – plaster skim coat	Negative	SPI
5b	1 st floor – dining room – by arch – plaster base coat	Negative	SPI
6a	1 st floor – north bedroom – east wall – plaster skim coat	Negative	SPI
6b	1 st floor – north bedroom – east wall – plaster base coat	Negative	SPI
7a	1 st floor – east bedroom – south wall – plaster skim coat	Negative	SPI
7b	1 st floor – east bedroom – south wall – plaster base coat	Positive 2% Chrysotile	SPI
7b	POINT COUNT RESULT	Trace 1% Chrysotile	SPI
8a	1 st floor – pantry – west wall – plaster skim coat	Negative	SPI
8b	1 st floor – pantry – west wall – plaster base coat	Negative	SPI
9	2 nd floor – front room – in ceiling – blown in insulation	Negative	MBI
10	2 nd floor – south bedroom – in ceiling – blown in insulation	Negative	MBI

Sample #	Location and Description	Results	Homogeneous Code
11	1 st floor – dining room – in ceiling – blown in insulation	Negative	MBI
12	2 nd floor – south bedroom – on north wall duct – duct paper	Positive 60% Chrysotile	TDW
13	2 nd floor – north bedroom – on east wall duct – duct paper	Positive 60% Chrysotile	TDW
14	1 st floor – dining room – on north wall duct – duct paper	Positive 60% Chrysotile	TDW
15	2 nd floor – kitchen – on windows – glazing compound	Negative	MPG
16	2 nd floor – front room – on windows – glazing compound	Negative	MPG
17	1 st floor – north bedroom – on windows – glazing compound	Negative	MPG
18a	2 nd floor – bathroom – 3 rd layer – gray linoleum	Negative	MFLy
18b	2 nd floor – bathroom – 3 rd layer – under linoleum – mastic	Negative	MFLy
19	2 nd floor – bathroom – on tub wall – gold mastic	Negative	MWM
20a	2 nd floor – kitchen closet – top layer – dark gray linoleum	Negative	MFLydark
20b	2 nd floor – kitchen closet – top layer – under linoleum – mastic	Negative	MFLydark
20c	2 nd floor – kitchen closet – 2 nd layer – tar paper	Negative	MPT
20d	2 nd floor – kitchen closet – 2 nd layer – under tar paper – mastic	Negative	MPT
21a	1 st floor – hall floor – leveling compound	Negative	MLC
21b	1 st floor – bathroom – under leveling compound – orange linoleum	Negative	MFLo
22a	1 st floor – bathroom floor – grout	Negative	MCTMM
22b	1 st floor – bathroom floor – under ceramic tile – mortar	Negative	MCTMM
22c	1 st floor – bathroom floor – under mortar – mastic	Negative	MCTMM
23a	1 st floor – bathroom floor – top layer – white ceramic tile	Negative	MCTMw
23b	1 st floor – bathroom floor – top layer – under white ceramic tile – mastic	Negative	MCTMw
23c	1 st floor – bathroom floor – 2 nd layer – tan ceramic tile	Negative	MCTMt
23d	1 st floor – bathroom floor – 2 nd layer – under tan ceramic tile – mastic	Negative	MCTMt
23e	1 st floor – bathroom floor – 3 rd layer – brown ceramic tile	Negative	MCTMn
23f	1 st floor – bathroom floor – 2 nd layer – under brown ceramic tile – mastic	Negative	MCTMn
24	1 st floor – kitchen – top layer – black and white linoleum	Negative	MFLkw
25	1 st floor – kitchen – 2 nd layer – yellow and blue linoleum	Negative	MFLlb
26a	1 st floor – kitchen – near south window – gold linoleum	Negative	MFLd
26b	1 st floor – kitchen – near south window – under gold linoleum – mastic	Negative	MFLd
27a	1 st floor – pantry – brown linoleum	Negative	MFLn
27b	1 st floor – pantry – under linoleum – mastic	Negative	MFLn

Sample #	Location and Description	Results	Homogeneous Code
28a	1 st floor – stair – yellow linoleum	Negative	MFLI
28b	1 st floor – stair – under linoleum – yellow mastic	Negative	MFLI
28c	1 st floor – stair – under linoleum – brown mastic	Negative	MFLI
29a	1 st floor – back entry – olive linoleum	Negative	MFLv
29b	1 st floor – back entry – under linoleum – mastic	Negative	MFLv
30	Basement – near stair – 12” white floor tile	Positive 2% Chrysotile	MF12w
30	POINT COUNT RESULT	Positive 1.25% Chrysotile	MF12w
30	Basement – near stair – under floor tile – mastic	Negative	MF12w
31	Basement – on east side of chimney – light gray flue packing	Positive 7% Chrysotile	TFPylight
32	Basement – on south side of chimney – dark gray flue packing	Negative	TFPydark

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

Material	Homogeneous Code	Location	Approximate Quantity
Joint Compound Patch	MJC	2 nd Floor Kitchen West Wall	140 Sq. Ft.
Duct Paper	TDW	1 st & 2 nd Floor Ducts	140 Sq. Ft.
12” White Floor Tile	MF12w	Basement	130 Sq. Ft.
Light Gray Flue Packing	TFPylight	Basement on East Side of Chimney	2 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,250 Sq. Ft.
2 nd	Kitchen/Bathroom	Floor Tile & Mastic	400 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MJC	Joint Compound Patch
MBI	Blown in Insulation
MPG	Glazing Compound
MFLb	Yellow & Blue Linoleum
MFLd	Gold Linoleum
MFLkw	Black & White Linoleum
MFLy	Gray Linoleum
MFLydark	Dark Gary Linoleum
MFLo	Orange Linoleum
MFLn	Brown Linoleum
MFLI	Yellow Linoleum
MFLv	Olive Linoleum
MWM	Wall Mastic
MPT	Tar Paper
MLC	Leveling Compound
MCTMw	White Ceramic Tile
MCTMt	Tan Ceramic Tile

Homogeneous Material Codes

MCTMn	Brown Ceramic Tile
MF12w	12” White Floor Tile
TFPyLight	Light Gray Flue Packing
TFPydark	Dark Gray Flue Packing
TDW	Duct Paper

Note#1: The joint compound patch, duct paper, basement floor tile, and flue packing and must be abated by a Wisconsin certified asbestos company prior to demolition. Asphalt roofing and 2nd floor 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>N/A</u>	Old Thermostats
<u>N/A</u>	Aquastats
<u>N/A</u>	Firestats
<u>N/A</u>	Manometers
<u>N/A</u>	Thermometers

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

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

ELECTRICAL SYSTEMS

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

PCBs

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

<u>N/A</u>	Transformers
<u>N/A</u>	Capacitors (appliances, electronic equipment)
<u>N/A</u>	Heat Transfer Equipment
<u>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. 247647	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/17/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/19/2015	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.4058

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Layered	White Texture	Asbestos Present Chrysotile 3	Cellulose	2 CaCO3 Paint
001a		Layered	White Skim Coat	Asbestos Not Present	Cellulose	2 Sand Gypsum
001b		Layered	White Plaster	Asbestos Not Present	Cellulose	2 Gypsum Perlite
001c		Layered	White Sheetrock	Asbestos Not Present	Cellulose	20 Gypsum
002	2	Layered	Tan Skim Coat	Asbestos Not Present	Cellulose	2 Sand Gypsum Paint
002a		Layered	White Plaster	Asbestos Not Present	Cellulose	2 Gypsum Perlite
002b		Layered	White Sheetrock	Asbestos Not Present	Cellulose	20 Gypsum

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 247647	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/17/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/19/2015	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.4058

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
003	3	Layered	Tan Skim Coat	Asbestos Not Present	Cellulose 2	Sand Gypsum
003a		Layered	White Plaster	Asbestos Not Present	NA	Gypsum Perlite
003b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
004	4	Layered	White Skim Coat	Asbestos Not Present	Cellulose 3	Sand Gypsum Paint
004a		Layered	Gray Plaster	Asbestos Not Present	Cellulose 5	Sand Gypsum CaCO3
005	5	Layered	Tan Skim Coat	Asbestos Not Present	Cellulose 3	Sand Gypsum Paint

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Account Number: B929	Dean Jacobsen
Date Received: 03/17/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/19/2015	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.4058

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
005a		Layered	Gray Plaster	Asbestos Not Present	Cellulose	5 Sand Gypsum CaCO3
006	6	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint
006a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum CaCO3
007	7	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint
007a		Layered	Gray Plaster	Asbestos Present Chrysotile 2	NA	Sand Gypsum CaCO3
008	8	Layered	Tan Skim Coat	Asbestos Not Present	Cellulose	3 Sand Gypsum Paint

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Polarized Light Microscopy Asbestos Analysis Report

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Account Number: B929	Dean Jacobsen
Date Received: 03/17/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/19/2015	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.4058

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008a		Layered	Gray Plaster	Asbestos Not Present	Cellulose <1	Sand Gypsum CaCO3
009	9	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 2 Glass Fiber 98	
010	10	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 2 Glass Fiber 98	
011	11	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 2 Glass Fiber 98	
012	12	Homogeneous	Gray Backing	Asbestos Present Chrysotile 60	Cellulose 30	Binder
013	13	Homogeneous	Gray Backing	Asbestos Present Chrysotile 60	Cellulose 30	Binder
014	14	Homogeneous	Gray Backing	Asbestos Present Chrysotile 60	Cellulose 30	Binder

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Account Number: B929	Dean Jacobsen
Date Received: 03/17/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/19/2015	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.4058

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	15	Homogeneous	White Window Glazing	Asbestos Not Present	Cellulose 2	CaCO3 Paint
016	16	Homogeneous	White Window Glazing	Asbestos Not Present	Cellulose <1	CaCO3 Paint
017	17	Homogeneous	White Window Glazing	Asbestos Not Present	Cellulose <1	CaCO3 Paint
018	18	Layered	Brown Linoleum	Asbestos Not Present	Cellulose 30	CaCO3 Tar
018a		Layered	Yellow Mastic	Asbestos Not Present	Cellulose 5	Glue
019	19	Homogeneous	Tan Mastic	Asbestos Not Present	Cellulose <1	Glue

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Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/19/2015	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.4058

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020	20	Layered	Brown Linoleum	Asbestos Not Present	Cellulose 30	CaCO3 Tar
020a		Layered	Yellow Mastic	Asbestos Not Present	Cellulose 2 Glass Fiber 3	Glue
020b		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
020c		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
021	21	Layered	Brown Leveling Compound	Asbestos Not Present	Cellulose 10	CaCO3
021a		Layered	Brown Linoleum	Asbestos Not Present	Cellulose 30	CaCO3 Tar
022	22	Layered	Tan Grout	Asbestos Not Present	NA	Sand CaCO3

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Polarized Light Microscopy Asbestos Analysis Report

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Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/19/2015	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.4058

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
022a		Layered	Dark Gray Grout	Asbestos Not Present	Cellulose 3	Sand CaCO3
022b		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
023	23	Layered	White Ceramic Tile	Asbestos Not Present	Cellulose <1	Clay
023a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
023b		Layered	Tan Ceramic Tile	Asbestos Not Present	Cellulose <1	Clay
023c		Layered	White Mastic	Asbestos Not Present	Cellulose 5	Glue CaCO3

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Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/19/2015	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.4058

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023d		Layered	Brown Ceramic Tile	Asbestos Not Present	Cellulose <1	Clay
023e		Layered	White Mastic	Asbestos Not Present	Cellulose 4 Hair 3	Glue CaCO3
024	24	Homogeneous	Tan/Black Floor Tile	Asbestos Not Present	Cellulose 10	Vinyl CaCO3
025	25	Homogeneous	Multi-Color Linoleum	Asbestos Not Present	Cellulose 30	CaCO3 Tar
026	26	Layered	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 30	Vinyl Binder
026a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
027	27	Layered	Brown Linoleum	Asbestos Not Present	Cellulose 30	CaCO3 Tar

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Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/19/2015	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.4058

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
027a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue CaCO3
028	28	Layered	Brown Linoleum	Asbestos Not Present	Cellulose 30	CaCO3 Tar
028a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
028b		Layered	Brown Mastic	Asbestos Not Present	Cellulose <1	Glue
029	29	Layered	Brown Linoleum	Asbestos Not Present	Cellulose 30	CaCO3 Tar
029a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue

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Polarized Light Microscopy Asbestos Analysis Report

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Account Number: B929	Dean Jacobsen
Date Received: 03/17/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/19/2015	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.4058

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
030	30	Layered	Brown Floor Tile	Asbestos Present Chrysotile 2	Cellulose <1	Vinyl CaCO3
030a		Layered	Yellow Mastic	Asbestos Not Present	Cellulose 3	Glue CaCO3
031	31	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 7	Cellulose 5	CaCO3
032	32	Homogeneous	Gray Mortar	Asbestos Not Present	Cellulose 2	Sand CaCO3

Carter Cox

Carter Cox, Analyst

3/20/2015

Date of Report

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

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For Lab Use Only
 Lab No. 247647
 Accept Reject

Report Results one box
 QuanTEM Website
 Other email _____

Project Information
 Project Name: DNS
 Project Location: Milwaukee, WI
 Project ID: 15-400-004.4058
 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	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	<u>3/16/15 1800</u>	<u>FedEx</u>	<u>Judy Rowan</u>	<u>3/17/15 9:45</u>

REQUESTED SERVICES (Please check the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	i	<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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 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

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For Lab Use Only
Lab No. <u>247647</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Project Name: DNS	Project Location: Milwaukee, WI		
Company: Harenda Management Group		Color			
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	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"/>			



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For Lab Use Only
Lab No. <u>247647</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Project Name: DNS	Project Location: Milwaukee, WI			
No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	31	<input checked="" type="checkbox"/>				
32	32	<input checked="" type="checkbox"/>				
33		<input type="checkbox"/>				
34		<input type="checkbox"/>				
35		<input type="checkbox"/>				
36		<input type="checkbox"/>				
37		<input type="checkbox"/>				
38		<input type="checkbox"/>				
39		<input type="checkbox"/>				
40		<input type="checkbox"/>				
41		<input type="checkbox"/>				
42		<input type="checkbox"/>				
43		<input type="checkbox"/>				
44		<input type="checkbox"/>				
45		<input type="checkbox"/>				
46		<input type="checkbox"/>				
47		<input type="checkbox"/>				
48		<input type="checkbox"/>				
49		<input type="checkbox"/>				
50		<input type="checkbox"/>				



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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 248139	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/30/2015	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 03/30/2015	Project: PTCT for 247647, DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.4058

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	White Texture	Asbestos Present Chrysotile 1.25 400 Point Count	NA	
002	7	Homogeneous	Gray Plaster	Asbestos Present Chrysotile 1.00 400 Point Count	NA	
003	30	Homogeneous	Brown Floor Tile	Asbestos Present Chrysotile 1.25 400 Point Count	NA	

Gayle Ooten, Analyst

3/30/2015

Date of Report

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LABORATORIES
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 Lab No. 248139
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Report Results one box
 QuanTEM Website
 Other email _____

Contact Information
 Company: Harenda Management Group
 Contact: Dean Jacobsen
 Account #: B929
 SAMPLED BY: Name: _____
 Project Information
 Project Name: DNS
 Project Location: Milwaukee, WI
 Project ID: 15-400-004.4058
 P.O. Number: _____

REINQUISHED BY Dean Hill **DATE & TIME** 3/30/15 10:30
VIA E-mail **RECEIVED BY** S. Hoffner

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"/> PCM	<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input checked="" type="checkbox"/> 24 - Hour
<input type="checkbox"/> Gravimetric Preparation		<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative (fibers/sq.cm)- ASTM D5755	<input type="checkbox"/> 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"/>		white texture		Quantem Lab #247647
2	7	<input checked="" type="checkbox"/>		gray plaster		
3	30	<input checked="" type="checkbox"/>		floor tile		
4		<input type="checkbox"/>				
5		<input type="checkbox"/>				
6		<input type="checkbox"/>				
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
10		<input type="checkbox"/>				

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

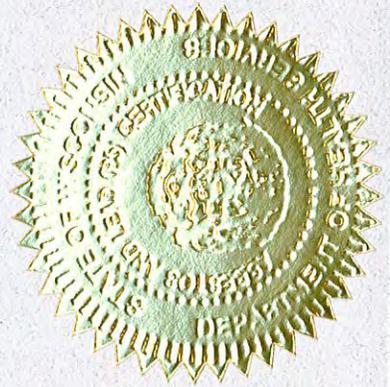
Asbestos Company - Primary

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

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor



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

Craig Steven Dekutowski
5030 Hearthside Ln
Racine WI 53402-2154

		215 lbs	6' 00"
AII-500	Exp: 02/06/2016	11/09/1970	Male

Training due by: 02/06/2016

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**Fire Damaged
One Family Dwelling
2222 North 21st 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.: 15-400-004.2222
Contract No.: 360-15-0745**



Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

October 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 2222 North 21st Street, Milwaukee, Wisconsin.

The inspection included plaster, transite siding, tar paper, linoleum, blown in insulation, drywall, flue packing, fiberboard, aircell pipe insulation, 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 September 22, 2015, HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 2222 North 21st 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, blown in insulation, drywall, flue packing, fiberboard, aircell pipe insulation, 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 15% Chrysotile	MTP
2	Exterior – south wall – transite siding	Positive 15% Chrysotile	MTP
3	Exterior – north wall – transite siding	Positive 15% Chrysotile	MTP
4	Exterior – west wall under transite – tar paper	Negative	MSS
5	Exterior – south wall under transite – tar paper	Negative	MSS
6	Exterior – north wall under transite – tar paper	Negative	MSS
7a	1 st floor – living room – south wall – plaster skim coat	Negative	SPI
7b	1 st floor – living room – south wall – plaster base coat	Negative	SPI
8a	1 st floor – kitchen – north wall – plaster skim coat	Negative	SPI
8b	1 st floor – kitchen – north wall – plaster base coat	Negative	SPI
9a	1 st floor – south bedroom – north wall – plaster skim coat	Negative	SPI
9b	1 st floor – south bedroom – north wall – plaster base coat	Negative	SPI
10a	1 st floor – bathroom – west wall – plaster skim coat	Negative	SPI
10b	1 st floor – bathroom – west wall – plaster base coat	Negative	SPI
11a	1 st floor – bathroom – east wall – plaster skim coat	Negative	SPI
11b	1 st floor – bathroom – east wall – plaster base coat	Negative	SPI
12a	Basement – stair – ceiling – plaster skim coat	Negative	SPI
12b	Basement – stair – ceiling – plaster base coat	Negative	SPI
13a	1 st floor – living room – ceiling – plaster skim coat	Negative	SPI
13b	1 st floor – living room – ceiling – plaster base coat	Negative	SPI
14	1 st floor – kitchen – yellow linoleum	Positive 20% Chrysotile	MFLI
15	1 st floor – Bathroom – cream linoleum	Positive 20% Chrysotile	MFLc
16	1 st floor – kitchen – in south wall – blown in insulation	Negative	MBI
17	1 st floor – south bedroom – in south wall – blown in insulation	Negative	MBI
18	2 nd floor – bedroom – in east wall – blown in insulation	Negative	MBI
19	1 st floor – bathroom – south wall – drywall	Negative	MDW

Sample #	Location and Description	Results	Homogeneous Code
20	2 nd floor – bedroom – ceiling – drywall	Negative	MDW
21	2 nd floor – bedroom – east wall – drywall	Negative	MDW
22	Basement – on chimney – flue packing	Negative	TFP
23	1 st floor – stair – north wall – fiberboard	Negative	MFB
24	2 nd floor – stair – south wall – fiberboard	Negative	MFB
25	2 nd floor – bedroom – east wall – fiberboard	Negative	MFB
26	Basement - <5” diameter aircell pipe insulation	Positive 40% Chrysotile	TA5
27	Basement - <5” diameter aircell pipe insulation	Positive 40% Chrysotile	TA5
28	Basement - <5” diameter aircell pipe insulation	Positive 40% Chrysotile	TA5
29	1 st floor – living room – on window – glazing compound	Positive 2% Chrysotile	MPG
29	POINT COUNT RESULT	Positive 2.25% Chrysotile	MPG
30	2 nd floor – bedroom – on window – glazing compound	Negative	MPG
31	Basement – on window – glazing compound	Negative	MPG

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

Material	Homogeneous Code	Location	Approximate Quantity
Transite Siding	MTP	Exterior Walls	900 Sq. Ft.
Yellow Linoleum	MFLI	1 st Floor Kitchen	130 Sq. Ft.
Cream Linoleum	MFLc	1 st Floor Bathroom	20 Sq. Ft.
<5” Diameter Aircell Pipe Insulation	TA5	Basement	25 Ln. Ft.
Window Glazing Compound	MPG	All Floors	22 Windows

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	400 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MTP	Transite Siding
MPT	Tar Paper
MFLI	Yellow Linoleum
MFLc	Cream Linoleum
MBI	Blown in Insulation
MFB	Fiberboard
MPG	Glazing Compound
MDW	Drywall
TFP	Flue Packing
TA5	<5” Diameter Aircell Pipe Insulation

Note#1: The linoleums, aircell insulation, flue packing, and transite siding 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 may be within walls and ceilings.

V. EXCLUSIONS

1st floor bedroom and attic filled with furniture and boxes and only partially accessible. Basement floor covered with debris. 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 – 1 Furnace & 1 Water Heater in Basement

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

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 3 Gallons Paint 1st Floor

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 255464	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 10/05/2015	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 10/06/2015	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004-2222

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Transite	Asbestos Present Chrysotile 15	NA	CaCO3
002	2	Homogeneous	Gray Transite	Asbestos Present Chrysotile 15	NA	CaCO3
003	3	Homogeneous	Gray Transite	Asbestos Present Chrysotile 15	NA	CaCO3
004	4	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
005	5	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
006	6	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
007	7	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum

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

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



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Methodology: EPA/600/R-93/116	Project Number: 15-400-004-2222

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

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
011	11	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint
011a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
012	12	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint
012a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
013	13	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum
013a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Homogeneous	Yellow Sheet Vinyl	Asbestos Present Chrysotile 20	Cellulose 5	Vinyl
015	15	Homogeneous	Yellow Sheet Vinyl	Asbestos Present Chrysotile 20	Cellulose 5	Vinyl
016	16	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
017	17	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
018	18	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
019	19	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020	20	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
021	21	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
022	22	Homogeneous	Gray Stucco	Asbestos Not Present	NA	Sand CaCO3
023	23	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 90	Paint
024	24	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 90	Paint
025	25	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 90	Paint
026	26	Homogeneous	Tan Insulation	Asbestos Present Chrysotile 40	Cellulose 60	

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
027	27	Homogeneous	Tan Insulation	Asbestos Present Chrysotile 40	Cellulose 60	
028	28	Homogeneous	Tan Insulation	Asbestos Present Chrysotile 40	Cellulose 60	
029	29	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 2	NA	CaCO3
030	30	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3
031	31	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3

Cristal Veech

Cristal Veech, Analyst

10/6/2015

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. <u>255464</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_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: 15-400-004-222	
SAMPLED BY: Name: _____	Date: _____	P.O. Number: _____	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
	<u>10/2/15</u>	<u>Truck</u>		<u>10/5/15 10:00</u>

REQUESTED SERVICES (Please <input checked="" type="checkbox"/> 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 checked="" 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 type="checkbox"/> 3 - Day
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed <input checked="" type="checkbox"/>	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	<u>1</u>	<input 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 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. 255464
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

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



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For Lab Use Only
Lab No. <u>200464</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

Project Information						
Company: Harenda Management Group		Project Name: DNS	Project Location: Milwaukee, WI			
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	31	<input type="checkbox"/>				
32		<input type="checkbox"/>				
33		<input type="checkbox"/>				
34		<input type="checkbox"/>				
35		<input type="checkbox"/>				
36		<input type="checkbox"/>				
37		<input type="checkbox"/>				
38		<input type="checkbox"/>				
39		<input type="checkbox"/>				
40		<input type="checkbox"/>				
41		<input type="checkbox"/>				
42		<input type="checkbox"/>				
43		<input type="checkbox"/>				
44		<input type="checkbox"/>				
45		<input type="checkbox"/>				
46		<input type="checkbox"/>				
47		<input type="checkbox"/>				
48		<input type="checkbox"/>				
49		<input type="checkbox"/>				
50		<input type="checkbox"/>				



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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 255702	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 10/09/2015	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 10/12/2015	Project: PTCT for 255464, DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2222

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	29	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 2.25 400 Point Count	NA	

Gayle Ooten, Analyst

10/12/2015

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.



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

www.QuanTEM.com

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 255702
 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: 15-400-004.2222	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	10/9/15 1030	Email	<i>[Signature]</i>	10/9/15 11:00

REQUESTED SERVICES (Please the Appropriate Boxes)

	PLM		TEM		TEM		TURNAROUND TIME
	Bulk Analysis (EPA 600/R-93/116)	Vermiculite Attic Insulation (EPA 600/R-04/004)	Air- AHERA	Bulk- Presence / Absence EPA600/R-93/116	Bulk- Quantitative (weight%) - Chatfield	Rush	
<input checked="" type="checkbox"/>	400 Point Count	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Same Day
<input type="checkbox"/>	1000 Point Count	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	24 - Hour
<input type="checkbox"/>	Gravimetric Preparation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3 - Day
<input type="checkbox"/>	Particle ID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	29	<input checked="" type="checkbox"/>				Quantem Lab #: 255702
2		<input type="checkbox"/>				
3		<input type="checkbox"/>				
4		<input type="checkbox"/>				
5		<input type="checkbox"/>				
6		<input type="checkbox"/>				
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
10		<input type="checkbox"/>				

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

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

September 18, 2015

JAZMIN K C SPEARS
1237 W BRUCE ST
MILWAUKEE WI 53204-1218

ID# AII-111055

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: dhsasbestoslead@wi.gov
Internet: www.dhs.wisconsin.gov

COPY

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"
AII-111055	Exp: 04/24/2016	10/19/1974
		Male

Training due by: 04/24/2016



ASBESTOS INSPECTION REPORT

Job Site:

**Two Family Dwelling
3627 North 21st 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.: 15-400-004.3627

Contract No.: 360-15-0745

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 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 3627 North 21st Street, Milwaukee, Wisconsin.

The inspection included plaster, linoleum, drywall, aircell pipe insulation, floor tile, flue packing, asphalt shingle siding, fittings, 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 13, 2015, HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 3627 North 21st Street, Milwaukee, Wisconsin. The inspection was conducted by Craig Dekutowski, Wisconsin License No. AII – 500.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, linoleum, drywall, aircell pipe insulation, floor tile, flue packing, asphalt shingle siding, fittings, and window glazing compound. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1	2 nd floor – kitchen – east wall – plaster	Negative	SPI
2	2 nd floor – front room – east wall – plaster	Negative	SPI
3	2 nd floor – north bedroom – east wall – plaster base coat	Negative	SPI
4a	1 st floor – kitchen – south wall – plaster skim coat	Negative	SPI
4b	1 st floor – kitchen – south wall – plaster base coat	Negative	SPI
5a	1 st floor – dining room – ceiling – plaster skim coat	Negative	SPI
5b	1 st floor – dining room – ceiling – plaster base coat	Negative	SPI
6a	1 st floor – front room – ceiling – plaster skim coat	Negative	SPI
6b	1 st floor – front room – ceiling – plaster base coat	Negative	SPI
7a	1 st floor – hall – west wall – plaster skim coat	Negative	SPI
7b	1 st floor – hall – west wall – plaster base coat	Negative	SPI
8	1 st floor – stair – gray linoleum	Negative	MFLy
9	2 nd floor – kitchen – ceiling – drywall	Negative	MDW
10	2 nd floor – front room – ceiling – drywall	Negative	MDW
11	2 nd floor – north bedroom – ceiling – drywall	Negative	MDW
12	1 st floor – kitchen – in ceiling - <5” aircell pipe insulation	Positive 80% Chrysotile	TA5
13	Basement – north side - <5” aircell pipe insulation	Positive 80% Chrysotile	TA5
14	Basement – center - <5” aircell pipe insulation	Positive 80% Chrysotile	TA5
15a	Basement – by bar – 9” orange floor tile	Positive 6% Chrysotile	MF9o
15b	Basement – by bar – under floor tile – black mastic	Negative	MF9o
16a	Basement – northwest – 9” orange floor tile	Positive 7% Chrysotile	MF9o
16b	Basement – northwest – under floor tile – black mastic	Negative	MF9o
17a	Basement – near stair – 9” orange floor tile	Positive 7% Chrysotile	MF9o
17b	Basement – near stair – under floor tile – black mastic	Negative	MF9o
18	Basement – on chimney – flue packing	Positive 15% Chrysotile	TFP
19	Exterior – north wall – asphalt shingle siding	Negative	MSS
20	Exterior – west wall – asphalt shingle siding	Negative	MSS

Sample #	Location and Description	Results	Homogeneous Code
21	Exterior – south wall – asphalt shingle siding	Negative	MSS
22	1 st floor – kitchen – in ceiling - <5” pipe insulation fitting	Positive 45% Chrysotile	TF5
23	1 st floor – porch – on north window – glazing compound	Negative	MPG
24	1 st floor – porch – on east window – glazing compound	Negative	MPG
25	1 st floor – porch – on south window – glazing compound	Negative	MPG
26	Exterior – on west window – glazing compound #2	Negative	MPG2
27	Exterior – on south window – glazing compound #2	Negative	MPG2
28	Exterior – on north window – glazing compound #2	Negative	MPG2

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

Material	Homogeneous Code	Location	Approximate Quantity
<5” Diameter Aircell Pipe Insulation	TA5	Kitchen, Basement	85 Ln. Ft.
<5” Diameter Pipe Insulation Fittings	TF5	Kitchen, Basement	5 Fittings
9” Orange Floor Tile	MF9o	Basement	550 Sq. Ft.
Flue Packing	TFP	Basement	2 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	950 Sq. Ft.
Roof	Garage	Asphalt Shingles & Flashing	300 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MFLy	Gray Linoleum
MDW	Drywall
MF9o	9” Orange Floor Tile
MSS	Asphalt Shingle Siding
MPG	Glazing Compound
MPG2	Glazing Compound #2
TA5	<5” Diameter Aircell Pipe Insulation
TF5	<5” Diameter Pipe Insulation Fitting
TFP	Flue Packing

Note#1: The aircell pipe insulation, 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. The floor tile in the basement must be abated by a Wisconsin certified asbestos company if the basement floor will be recycled.

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 fittings may be within walls and ceilings.

V. EXCLUSIONS

No access to attic. House has garbage and debris on all floors – flooring materials only partially accessible. Roofs visible only from ground. No visible or accessible areas were excluded from the scope of work.

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

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

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

ELECTRICAL SYSTEMS

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

PCBs

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

<u>N/A</u>	Transformers
<u>N/A</u>	Capacitors (appliances, electronic equipment)
<u>N/A</u>	Heat Transfer Equipment
<u>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>2</u>	Junk Vehicles – Garage

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 247581	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/16/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/19/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3627

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

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

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



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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 247581	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/16/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/19/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3627

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
005a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Gypsum CaCO3
006	6	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz Gypsum Paint
006a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Gypsum CaCO3
007	7	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz Gypsum Paint
007a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Gypsum CaCO3
008	8	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar

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. 247581	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/16/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/19/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3627

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
009	9	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
010	10	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
011	11	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
012	12	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 80	Cellulose 10	Binder
013	13	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 80	Cellulose 10	Binder
014	14	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 80	Cellulose 10	Binder
015	15	Layered	Brown Floor Tile	Asbestos Present Chrysotile 6	NA	Vinyl CaCO3

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3627

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015a		Layered	Black Mastic	Asbestos Not Present	NA	Tar
016	16	Layered	Brown Floor Tile	Asbestos Present Chrysotile 7	NA	Vinyl CaCO3
016a		Layered	Black Mastic	Asbestos Not Present	NA	Tar
017	17	Layered	Brown Floor Tile	Asbestos Present Chrysotile 7	NA	Vinyl CaCO3
017a		Layered	Black Mastic	Asbestos Not Present	NA	Tar
018	18	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 15	Glass Fiber 45	Binder

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3627

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019	19	Homogeneous	White/Tan Siding	Asbestos Not Present	Cellulose 45	Quartz Tar
020	20	Homogeneous	White/Tan Siding	Asbestos Not Present	Cellulose 45	Quartz Tar
021	21	Homogeneous	White/Tan Siding	Asbestos Not Present	Cellulose 45	Quartz Tar
022	22	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 45	Cellulose 10	Gypsum Binder
023	23	Homogeneous	White Window Glazing	Asbestos Not Present	Talc 3	CaCO3
024	24	Homogeneous	White Window Glazing	Asbestos Not Present	Talc 3	CaCO3
025	25	Homogeneous	White Window Glazing	Asbestos Not Present	Talc 3	CaCO3

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: 15-400-004.3627

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
026	26	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3
027	27	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3
028	28	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3

Gayle Ooten, Analyst

3/19/2015

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 247581
 Accept Reject
 Report Results (one box)
 QuanTEM Website
 Other email _____

Contact Information		Project Information	
Company:	Harenda Management Group	Project Name:	DNS
Contact:	Dean Jacobsen	Project Location:	Milwaukee, WI
Account #:	B929	Project ID:	15-400-004.3627
SAMPLED BY:	Name: _____	P.O. Number:	_____

RELINQUISHED BY	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	FedEx	<i>Judy Rowan</i>	3/16/15 9:30

REQUESTED SERVICES (Please the Appropriate Boxes)

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

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



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

For Lab Use Only
Lab No. _____
Accept _____
Reject _____

Project Information		Project Name: DNS	Project Location: Milwaukee, WI		
Company: Harenda Management Group					
No.	Sample ID (10 Characters Max)	To Be Analyzed	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

PO BOX 511305
NEW BERLIN WI 53151-2105

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

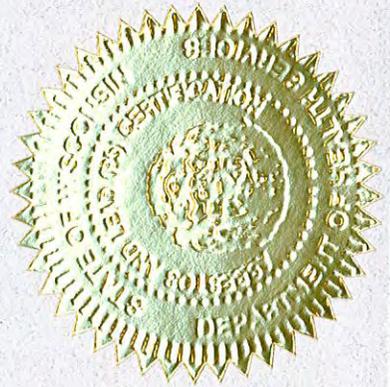
Asbestos Company - Primary

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

Craig Steven Dekutowski
5030 Hearthside Ln
Racine WI 53402-2154

		215 lbs	6' 00"
AII-500	Exp: 02/06/2016	11/09/1970	Male

Training due by: 02/06/2016

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**One Family Dwelling
3166 North 25th 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.: 15-400-004.3166
Contract No.: 360-15-0745**

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 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 3166 North 25th Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, drywall/joint compound, blown in insulation, window glazing compound, linoleum, tar paper, ceiling tile, ceramic tile, and flue packing to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M 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 13, 2015, HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 3166 North 25th Street, Milwaukee, Wisconsin. The inspection was conducted by Craig Dekutowski, Wisconsin License No. AII – 500.

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, drywall/joint compound, blown in insulation, window glazing compound, linoleum, tar paper, ceiling tile, ceramic tile, and flue packing. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1a	2 nd floor – east bedroom – east wall – joint compound patch	Negative	SPI
1b	2 nd floor – east bedroom – east wall – plaster	Negative	SPI
2a	2 nd floor – closet – north wall – joint compound patch	Negative	SPI
2b	2 nd floor – closet – north wall – joint compound patch layer 2	Negative	SPI
2c	2 nd floor – east bedroom – east wall – plaster skim coat	Negative	SPI
2d	2 nd floor – east bedroom – east wall – plaster base coat	Negative	SPI
3a	1 st floor – front room – ceiling – joint compound patch	Negative	SPI
3b	1 st floor – front room – ceiling – plaster skim coat	Negative	SPI
3c	1 st floor – front room – ceiling – plaster base coat	Negative	SPI
4a	1 st floor – dining room – south wall – joint compound patch	Negative	SPI
4b	1 st floor – dining room – south wall – plaster skim coat	Negative	SPI
4c	1 st floor – dining room – south wall – plaster base coat	Negative	SPI
5	Basement – ceiling – plaster	Negative	SPI
6a	2 nd floor – stair – west wall – joint compound	Negative	MDW
6b	2 nd floor – stair – west wall – drywall	Negative	MDW
7a	2 nd floor – hall – north wall – joint compound	Negative	MDW
7b	2 nd floor – hall – north wall – drywall	Negative	MDW
8a	2 nd floor – south room – north wall – joint compound	Negative	MDW
8b	2 nd floor – south room – north wall – joint compound layer 2	Negative	MDW
8c	2 nd floor – south room – north wall – drywall	Negative	MDW
9	2 nd floor – east bedroom – in west wall – blown in insulation	Negative	MBI
10	2 nd floor – south bedroom – in ceiling – blown in insulation	Negative	MBI
11	1 st floor – front room – on floor – blown in insulation	Negative	MBI
12	2 nd floor – east bedroom – on window – glazing compound	Negative	MPG
13	1 st floor – kitchen – on window – glazing compound	Negative	MPG
14	1 st floor – south bedroom – on window – glazing compound	Negative	MPG

Sample #	Location and Description	Results	Homogeneous Code
15a	1 st floor – kitchen – 2 nd layer – beige linoleum	Negative	MFLe
15b	1 st floor – kitchen – under beige linoleum – mastic	Negative	MFLe
15c	1 st floor – kitchen – 3 rd layer – tan linoleum	Negative	MFLt
15d	1st floor – kitchen – 4th layer – linoleum backing	Positive 45% Chrysotile	MFLback
15e	1 st floor – kitchen – 5 th layer – tar paper	Negative	MPT
16a	2 nd floor – west bedroom – on ceiling tile – joint compound	Negative	MSCT11
16b	2 nd floor – west bedroom – 1' x 1' ceiling tile	Negative	MSCT11
17a	1 st floor – bathroom – on sink counter top – blue ceramic tile	Negative	MCTMb
17b	1 st floor – bathroom – on sink counter top – grout	Negative	MCTMb
17c	1st floor – bathroom – on sink counter top – under ceramic tile – mastic	Positive 6% Chrysotile	MCTMb
18a	1 st floor – bathroom – top layer under plywood – blue and white linoleum	Negative	MFLbw
18b	1 st floor – bathroom – top layer under plywood – under blue linoleum – mastic	Negative	MFLbw
18c	1 st floor – bathroom – 2 nd layer under plywood – blue linoleum	Negative	MFLb
18d	1 st floor – bathroom – 2 nd layer under plywood – under blue linoleum – mastic	Negative	MFLb
18e	1 st floor – bathroom – 3 rd layer under plywood – tar paper	Negative	MPT
19	Basement – stair – gray linoleum	Negative	MFLy
20	1 st floor – bathroom – on north wall – texture	Negative	STX
21	2 nd floor – east bedroom – on ceiling – texture #2	Negative	STX2
22	Basement – on chimney – flue packing	Negative	TFP

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

Material	Homogeneous Code	Location	Approximate Quantity
Linoleum Backing	MFLback	1 st Floor Kitchen 4 th Layer	170 Sq. Ft.
Mastic Under Blue Ceramic Tile	MCTMb	1 st Floor Bathroom Countertop	15 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,100 Sq. Ft.
1 st	Kitchen/Stair/Bathroom	Floor Tile & Mastic	450 Sq. Ft.
2 nd	Bathroom	Floor Tile & Mastic	30 Sq. Ft.

Homogeneous Material Codes

SP1	Plaster
STX	Texture
STX2	Texture #2
MDW	Drywall/Joint Compound
MPG	Glazing Compound

Homogeneous Material Codes

MPT	Tar Paper
MFLb	Blue Linoleum
MFLbw	Blue & White Linoleum
MFLe	Beige Linoleum
MFLy	Gray Linoleum
MFLt	Tan Linoleum
MFLback	Linoleum Backing
MBI	Blown in Insulation
MSCT11	1' x 1' Ceiling Tile
MCTMb	Blue Ceramic Tile
TFP	Flue Packing

Note#1: The linoleum backing and ceramic tile mastic 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.

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

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

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

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 247571	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/16/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/19/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3166

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	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
002	2	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
002a		Layered	Tan Texture	Asbestos Not Present	Wollastonite Talc	2 4 CaCO3 Paint
002b		Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
002c		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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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 247571	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/16/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/19/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3166

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
003a		Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
003b		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
004	4	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
004a		Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
004b		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
005	5	Homogeneous	Cream Joint Compound	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: 15-400-004.3166

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006	6	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
006a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
007	7	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
007a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
008	8	Layered	Red Texture	Asbestos Not Present	NA	Quartz CaCO3 Paint
008a		Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3
008b		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: 15-400-004.3166

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
009	9	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 100	
010	10	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 100	
011	11	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 100	
012	12	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3
013	13	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3
014	14	Homogeneous	Cream 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: 15-400-004.3166

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	15	Layered	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
015a		Layered	Cream Mastic	Asbestos Not Present	NA	Glue
015b		Layered	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
015c		Layered	Gray Sheet Vinyl Backing	Asbestos Present Chrysotile 45	Cellulose 30	Binder
015d		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
016	16	Layered	Cream Texture	Asbestos Not Present	NA	CaCO3 Paint
016a		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3166

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
017	17	Layered	Blue Ceramic Tile	Asbestos Not Present	NA	Clay
017a		Layered	Tan Grout	Asbestos Not Present	NA	Quartz CaCO3
017b		Layered	Brown Mastic	Asbestos Present Chrysotile 6	NA	Glue CaCO3
018	18	Layered	Blue/White Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
018a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
018b		Layered	Blue Floor Tile	Asbestos Not Present	NA	Vinyl Binder

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

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Date Analyzed: 03/19/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3166

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018c		Layered	Black Mastic	Asbestos Not Present	NA	Tar
018d		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
019	19	Homogeneous	Gray Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
020	20	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
021	21	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
022	22	Homogeneous	Gray Concrete	Asbestos Not Present	Wollastonite 35	CaCO3 Clay

Gayle Ooten, Analyst

3/19/2015

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

www.QuanTEM.com

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 247571
 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: 15-400-004.3166	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	3/13/15 1800	FedEx	<i>Judy Rawan</i>	3/16/15 9:30

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	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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For Lab Use Only
Lab No. <u>247577</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 <input checked="" type="checkbox"/>	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	<input checked="" type="checkbox"/>				
12	12	<input type="checkbox"/>				
13	13	<input type="checkbox"/>				
14	14	<input type="checkbox"/>				
15	15	<input type="checkbox"/>				
16	16	<input type="checkbox"/>				
17	17	<input type="checkbox"/>				
18	18	<input type="checkbox"/>				
19	19	<input type="checkbox"/>				
20	20	<input type="checkbox"/>				
21	21	<input type="checkbox"/>				
22	22	<input checked="" 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

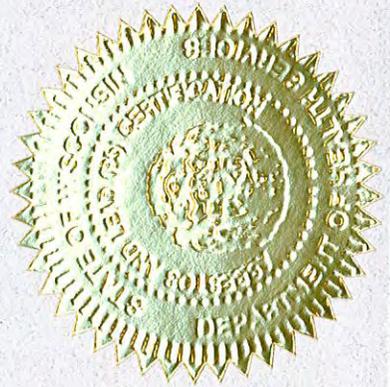
Asbestos Company - Primary

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

Craig Steven Dekutowski
5030 Hearthside Ln
Racine WI 53402-2154

		215 lbs	6' 00"
AII-500	Exp: 02/06/2016	11/09/1970	Male

Training due by: 02/06/2016

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**Fire Damaged
One Family Dwelling
2422 North 26th 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.: 15-400-004.2422
Contract No.: 360-15-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

October 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 2422 North 26th Street, Milwaukee, Wisconsin.

The inspection included plaster, tar paper, blown in insulation, drywall/joint compound, ceramic tile, flue packing, duct paper, fiberboard, 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 October 2, 2015, HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 2422 North 26th Street, Milwaukee, Wisconsin. The inspection was conducted by Craig Dekutowski, Wisconsin License No. AII – 500.

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, tar paper, blown in insulation, drywall/joint compound, ceramic tile, flue packing, duct paper, fiberboard, and mastics. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1	Exterior – west wall under wood siding – tar paper	Negative	MPT
2	Exterior – south wall under wood siding – tar paper	Negative	MPT
3	Exterior – east wall under wood siding – tar paper	Negative	MPT
4a	1 st floor – front room – east wall – plaster skim coat	Negative	SPI
4b	1 st floor – front room – east wall – plaster base coat	Negative	SPI
5a	1 st floor – north bedroom – north wall – plaster skim coat	Negative	SPI
5b	1 st floor – north bedroom – north wall – plaster base coat	Negative	SPI
6a	1 st floor – dining room – north wall – plaster skim coat	Negative	SPI
6b	1 st floor – dining room – north wall – plaster base coat	Negative	SPI
7a	1 st floor – kitchen – ceiling – plaster skim coat	Negative	SPI
7b	1 st floor – kitchen – ceiling – plaster base coat	Negative	SPI
8a	1 st floor – stair – west wall – joint compound layer	Negative	SPI
8b	1 st floor – stair – west wall – plaster skim coat	Negative	SPI
8c	1 st floor – stair – west wall – plaster base coat	Negative	SPI
9	1 st floor – front room – in south wall – blown in insulation	Negative	MBI
10	1 st floor – dining room – in ceiling – blown in insulation	Negative	MBI
11	1 st floor – north bedroom – in north wall – blown in insulation	Negative	MBI
12a	2 nd floor – front room – south wall – joint compound	Negative	MDW
12b	2 nd floor – front room – south wall – drywall	Negative	MDW
13a	2 nd floor – hall – north wall – joint compound	Negative	MDW
13b	2 nd floor – hall – north wall – drywall	Negative	MDW
14a	2 nd floor – south bedroom – ceiling – joint compound	Negative	MDW
14b	2 nd floor – south bedroom – ceiling – drywall	Negative	MDW
15a	2 nd floor – hall floor – pink ceramic tile	Negative	MCTMp
15b	2 nd floor – hall floor – under ceramic tile – mortar	Negative	MCTMp
16	2 nd floor – hall floor – grout	Negative	MCTMG
17a	2 nd floor – bathroom – on walls – white ceramic tile	Negative	MCTMw
17b	2 nd floor – bathroom – on walls – under ceramic tile – mastic	Negative	MCTMw
17c	2 nd floor – bathroom – on walls – grout	Negative	MCTMw

Sample #	Location and Description	Results	Homogeneous Code
18a	2 nd floor – bathroom floor – tan ceramic tile	Negative	MCTMt
18b	2 nd floor – bathroom floor – under ceramic tile – mastic	Negative	MCTMt
18c	2 nd floor – bathroom floor – grout	Negative	MCTMt
19a	Basement – on east side of chimney – light gray flue packing top layer	Negative	TFPyLight
19b	Basement – on east side of chimney – light gray flue packing bottom layer	Negative	TFPyLight
20a	Basement – on west side of chimney – dark gray flue packing top layer	Negative	TFPyLight
20b	Basement – on west side of chimney – dark gray flue packing bottom layer	Negative	TFPyLight
21a	1 st floor – front room entry floor – brown ceramic tile	Negative	MCTMn
21b	1 st floor – front room entry floor – under ceramic tile – mortar	Negative	MCTMn
22	1 st floor – front room entry floor – grout	Negative	MCTMn
23	Basement – on south side duct – duct paper	Positive 60% Chrysotile	TDW
24	1 st floor – front room entry floor – under mortar – fiberboard	Negative	MFB

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

Material	Homogeneous Code	Location	Approximate Quantity
Duct Paper	TDW	Basement – Boots and Duct Seams	10 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	Kitchen/Bathroom	Floor Tile & Mastic	270 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MPT	Tar Paper
MBI	Blown in Insulation
MDW	Drywall/Joint Compound
MCTMp	Pink Ceramic Tile
MCTMw	White Ceramic Tile
MCTMt	Tan Ceramic Tile
MCTMn	Brown Ceramic Tile
MCTMG	Grout
MFB	Fiberboard
TFPyLight	Light Gray Flue Packing
TFPydark	Dark Gray Flue Packing
TDW	Duct Paper

Note#1: The 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

Attic not accessible. Half of basement filled with fire debris and not 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>N/A</u>	Fluorescent Lights
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 1 Gas Meter & 3 Gallons Paint 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. 255472	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 10/05/2015	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 10/06/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004-2422

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
002	2	Homogeneous	Green Paper	Asbestos Not Present	Cellulose 100	
003	3	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 100	
004	4	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint
004a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
005	5	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
005a		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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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004-2422

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006	6	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
006a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
007	7	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint
007a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
008	8	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
008a		Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004-2422

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008b		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
009	9	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
010	10	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
011	11	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
012	12	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
012a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
013	13	Layered	White Joint Compound	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: 15-400-004-2422

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
014	14	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
014a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
015	15	Layered	Brown Ceramic Tile	Asbestos Not Present	NA	Clay
015a		Layered	Gray Grout	Asbestos Not Present	NA	Sand CaCO3
016	16	Homogeneous	Gray Grout	Asbestos Not Present	NA	Sand CaCO3

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Date Analyzed: 10/06/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004-2422

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
017	17	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
017a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
017b		Layered	Gray Grout	Asbestos Not Present	NA	Sand CaCO3
018	18	Layered	Tan Ceramic Tile	Asbestos Not Present	NA	Clay
018a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
018b		Layered	Gray Grout	Asbestos Not Present	NA	Sand CaCO3
019	19	Layered	Gray Cement	Asbestos Not Present	Wollastonite 30	Binder

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004-2422

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
020	20	Layered	Gray Cement	Asbestos Not Present	Wollastonite	30 Binder
020a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
021	21	Layered	Beige Ceramic Tile	Asbestos Not Present	NA	Clay
021a		Layered	Gray Grout	Asbestos Not Present	NA	Sand CaCO3
022	22	Homogeneous	Brown Grout	Asbestos Not Present	NA	Sand CaCO3

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004-2422

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023	23	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
024	24	Homogeneous	Tan Fiberboard	Asbestos Not Present	Cellulose 60	Paint Binder

Gayle Ooten, Analyst

10/6/2015

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

Contact Information Company: Harenda Management Group Contact: Dean Jacobsen Account #: B929 E-mail: djacobsen@harenda.com P.O. Number:		Project Information Project Name: DNS Project Location: Milwaukee, WI Project ID: 15-400-004-2422 P.O. Number:	
For Lab Use Only Lab No. 255472 Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>		Report Results (one box) <input checked="" type="checkbox"/> QuantEM Website <input type="checkbox"/> Other email	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	10/5/15	Relax	<i>[Signature]</i>	10/5/15 10:00

REQUESTED SERVICES (Please check the Appropriate Boxes)

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

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



ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only

Lab No. 255472

Accept Reject

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

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

Craig Steven Dekutowski
5030 Hearthside Ln
Racine WI 53402-2154

		215 lbs	6' 00"
AII-500	Exp: 02/06/2016	11/09/1970	Male

Training due by: 02/06/2016

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**Fire Damaged
Two Family Dwelling
2230 West Brown 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.: 15-400-004.2230
Contract No.: 360-15-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

October 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 2230 West Brown Street, Milwaukee, Wisconsin.

The inspection included asphalt shingle siding and tar 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 September 23, 2015, HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 2230 West Brown 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 asphalt shingle siding and tar paper. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1	Exterior – south wall – asphalt shingle siding	Negative	MSS
2	Exterior – west wall – asphalt shingle siding	Negative	MSS
3	Exterior – north wall – asphalt shingle siding	Negative	MSS
4	Exterior – south wall – under asphalt shingle siding – tar paper	Negative	MPT
5	Exterior – west wall – under asphalt shingle siding – tar paper	Negative	MPT
6	Exterior – north wall – under asphalt shingle siding – tar paper	Negative	MPT

No materials sampled were found to contain asbestos.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	900 Sq. Ft.

Homogeneous Material Codes

MSS Asphalt Shingle Siding
MPT Tar Paper

Note#1: 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.

V. EXCLUSIONS

Interior severely fire damaged and unsafe to enter – all interior areas not accessible. Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 255479	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 10/05/2015	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 10/06/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004-2230

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Brown Siding	Asbestos Not Present	Cellulose 50	Sand Tar
002	2	Homogeneous	Brown Siding	Asbestos Not Present	Cellulose 50	Sand Tar
003	3	Homogeneous	Brown Siding	Asbestos Not Present	Cellulose 50	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	

Gayle Ooten, Analyst

10/6/2015

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.



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 Lab No. 25549
 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: 15-400-004-2230	
SAMPLED BY: _____	Name: _____	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
	12/15	FedEx		10-5-15 10:00

REQUESTED SERVICES (Please the Appropriate Boxes)

PLM	PLM	TEM		TEM	TURNAROUND TIME
		Air- AHERA	Air- NIOSH 7402		
<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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 1000 Point Count		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> 24 - Hour
<input type="checkbox"/> Gravimetric Preparation	PCM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Particle ID	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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





Scott Walker
Governor

Kitty Rhoades
Secretary

State of Wisconsin
Department of Health Services

September 18, 2015

JAZMIN K C SPEARS
1237 W BRUCE ST
MILWAUKEE WI 53204-1218

ID# AII-111055

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: dhsasbestoslead@wi.gov
Internet: www.dhs.wisconsin.gov

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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"
AII-111055	Exp: 04/24/2016	10/19/1974
		Male

Training due by: 04/24/2016