



ASBESTOS INSPECTION REPORT

Job Site:

**One Family Dwelling
1633 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.: 14-200-042.1633
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

August 2014

TABLE OF CONTENTS

I. Introduction.....2

II. Building Survey2

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

IV. Findings and Observations.....3

V. Exclusions.....4

VI. Limitations5

VII. Pre-Demolition Environmental Checklist.....6

VIII. Laboratory Results10

IX. HMG Certifications11

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 1633 North 17th Street, Milwaukee, Wisconsin.

The inspection included plaster, drywall, linoleum, duct paper, ceiling tile, and blown in insulation to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M*.

II. BUILDING SURVEY

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

On August 7, 2014 HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 1633 North 17th Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

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

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, drywall, linoleum, duct paper, ceiling tile, and blown in insulation. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	1 st floor – kitchen – north wall – drywall	Negative	N/A	MDW
2	1 st floor – dining room – south wall – drywall	Negative	N/A	MDW
3	1 st floor – bathroom – east wall – drywall	Negative	N/A	MDW
4a	1 st floor – living room – west wall – plaster skim coat	Negative	N/A	SPI
4b	1 st floor – living room – west wall – plaster base coat	Negative	N/A	SPI
5a	1 st floor – dining room – north wall – plaster skim coat	Negative	N/A	SPI
5b	1 st floor – dining room – north wall – plaster base coat	Negative	N/A	SPI
6	1 st floor – dining room – east wall – plaster	Negative	N/A	SPI
7	1 st floor – living room – red linoleum	Negative	N/A	MFLr
8	1 st floor – dining room – red linoleum	Negative	N/A	MFLr
9	1 st floor – bedroom – red linoleum	Negative	N/A	MFLr
10	1 st floor – kitchen – east side top layer – brown linoleum	Negative	N/A	MFLn
11	1 st floor – kitchen – west side top layer – brown linoleum	Negative	N/A	MFLn
12	2 nd floor – main room – brown linoleum	Negative	N/A	MFLn
13	1 st floor – bathroom – blue linoleum	Negative	N/A	MFLb
14	1st floor – dining room – in south wall – duct paper	Positive 60% Chrysotile	60 Sq. Ft.	TDW
15	1 st floor – kitchen – east side – 2' x 2' ceiling tile	Negative	N/A	MSCT22
16	1 st floor – kitchen – center – 2' x 2' ceiling tile	Negative	N/A	MSCT22
17	1 st floor – kitchen – west side – 2' x 2' ceiling tile	Negative	N/A	MSCT22
18	2 nd floor – main area – red and gray linoleum	Negative	N/A	MFLry
19	2 nd floor – main area – tan linoleum	Negative	N/A	MFLt
20	2 nd floor – main area – tan linoleum	Negative	N/A	MFLt
21	2 nd floor – main area – tan linoleum	Negative	N/A	MFLt
22	2 nd floor – main area – on floor northeast corner – insulation debris	Negative	N/A	MID
23	1 st floor – living room – in east wall – blown in insulation	Negative	N/A	MBI
24	2 nd floor – main area – in east wall – blown in insulation	Negative	N/A	MBI
25	2 nd floor – main area – in north wall – blown in insulation	Negative	N/A	MBI

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	500 Sq. Ft.
1 st	Kitchen/Stair	Floor Tile & Mastic	250 Sq. Ft.
1 st	Living Room/Dining Room/ Bathroom/Bedroom	Floor Mastic	400 Sq. Ft.
2 nd	Main Area	Floor Mastic	800 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MDW	Drywall
MFLn	Brown Linoleum
MFLt	Tan Linoleum
MFLr	Red Linoleum
MFLb	Blue Linoleum
MFLry	Red & Gray Linoleum
MSCT22	2' x 2' Ceiling Tile
MBI	Blown in Insulation
MID	Insulation Debris
TDW	Duct Paper

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

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

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

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

V. EXCLUSIONS

Basement flooded and only partially 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 – 2 Furnaces & 2 Water Heaters in Basement

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

ELECTRICAL SYSTEMS – 2 Electric Meters on Exterior

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 2 Gas Meters in Basement

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. 239315	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 08/12/2014	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 08/13/2014	Project: DNS
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Cream Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
002	2	Homogeneous	Cream Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
003	3	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
004	4	Layered	Cream Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
004a		Layered	Brown Plaster	Asbestos Not Present	NA	Quartz CaCO3
005	5	Layered	Cream Texture	Asbestos Not Present	NA	CaCO3 Paint
005a		Layered	Cream Skim Coat	Asbestos Not Present	NA	CaCO3 Sand

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

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



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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
005b		Layered	Gray Plaster	Asbestos Not Present	NA	CaCO3 Quartz
006	6	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
007	7	Homogeneous	Brown Flooring	Asbestos Not Present	Synthetic	15 Vinyl Foam
008	8	Homogeneous	Brown Flooring	Asbestos Not Present	Synthetic	15 Vinyl Foam
009	9	Homogeneous	Brown Flooring	Asbestos Not Present	Synthetic	15 Vinyl Foam
010	10	Homogeneous	Brown Flooring	Asbestos Not Present	Synthetic	15 Vinyl Foam
011	11	Homogeneous	Brown Flooring	Asbestos Not Present	Synthetic	15 Vinyl CaCO3

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012	12	Homogeneous	Brown Flooring	Asbestos Not Present	Synthetic	15 Vinyl Foam
013	13	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	NA	Vinyl Foam
014	14	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	NA	Binder
015	15	Homogeneous	Brown Ceiling Tile	Asbestos Not Present	Cellulose	95 Paint
016	16	Homogeneous	Yellow Ceiling Tile	Asbestos Not Present	Cellulose	95 Paint
017	17	Homogeneous	Brown Ceiling Tile	Asbestos Not Present	Cellulose	95 Paint
018	18	Homogeneous	Red Flooring	Asbestos Not Present	NA	Vinyl CaCO3

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Date Analyzed: 08/13/2014	Project: DNS
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019	19	Homogeneous	Tan Flooring	Asbestos Not Present	Synthetic 15	Vinyl CaCO3
020	20	Homogeneous	Tan Flooring	Asbestos Not Present	Synthetic 15	Vinyl CaCO3
021	21	Homogeneous	Tan Flooring	Asbestos Not Present	Synthetic 15	Vinyl CaCO3
022	22	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 95	Binder
023	23	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 95	Binder
024	24	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 95	Binder
025	25	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 95	Binder

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

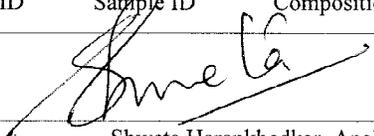
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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
				8/13/2014		
	Shweta Harankhedkar, Analyst			Date of Report		

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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

www.QuanTEM.com

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 239315
 Accept Reject

Report Results one box
 QuanTEM Website
 Other email _____

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 14-200-042	
SAMPLED BY: _____	Date:	P.O. Number:	

RELINQUISHED BY <u>Eric Christensen</u>	DATE & TIME <u>8/11/14 3:10</u>	VIA <u>Fedex</u>	RECEIVED BY <u>A. Fleming</u>	DATE & TIME <u>8/12/14 9:45</u>
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REQUESTED SERVICES (Please the Appropriate Boxes)

	PLM		TEM		TEM		TURNAROUND TIME
	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
Bulk Analysis (EPA 600/R-93/116)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Rush				
400 Point Count	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Same Day
1000 Point Count	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	24 - Hour
Gravimetric Preparation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3 - Day
Particle ID	<input type="checkbox"/>	<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		<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"/>				<u>Do not test mashes</u>
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>239315</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

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

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

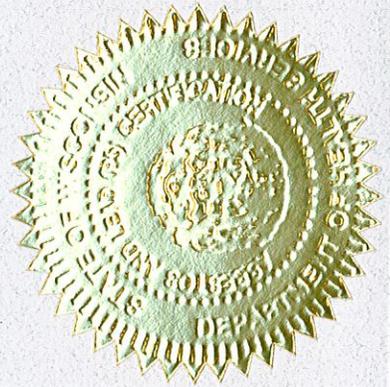
Asbestos Company - Primary

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

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN
Dept. of Health Services

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

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

Training due by: 03/19/2015



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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – east wall under wood siding – tar paper	Negative	N/A	MPT
2	Exterior – north wall under wood siding – tar paper	Negative	N/A	MPT
3	Exterior – west wall under wood siding – tar paper	Negative	N/A	MPT
4	Basement – ceiling – plaster	Negative	N/A	SPI
5	Attic – stair – south wall – plaster	Negative	N/A	SPI
6a	1 st floor – kitchen – north wall – plaster skim coat	Negative	N/A	SPI
6b	1 st floor – kitchen – north wall – plaster base coat	Negative	N/A	SPI
7	1 st floor – living room – west wall – plaster	Negative	N/A	SPI
8	2 nd floor – kitchen – east wall – plaster	Negative	N/A	SPI
9a	2 nd floor – hall – south wall – plaster skim coat	Negative	N/A	SPI
9b	2 nd floor – hall – south wall – plaster base coat	Negative	N/A	SPI
10a	2 nd floor – living room – ceiling – plaster skim coat	Negative	N/A	SPI
10b	2 nd floor – living room – ceiling – plaster base coat	Negative	N/A	SPI
11	Basement – on north side of chimney near top – flue packing	Negative	N/A	TFP
12	Basement – on north side of chimney near bottom – flue packing #2	Positive 80% Chrysotile	4 Sq. Ft.	TFP2
13a	Basement – on west side of chimney – flue packing #3 top layer	Negative	N/A	TFP3
13b	Basement – on west side of chimney – flue packing #3 bottom layer	Negative	N/A	TFP3
14	1 st floor – front entry – 2' x 4' ceiling tile	Negative	N/A	MSCT24
15	1 st floor – hall – yellow linoleum	Negative	N/A	MFLI
16	1 st floor – hall – ceiling – texture	Negative	N/A	STX
17	1 st floor – south bedroom – south wall – texture	Negative	N/A	STX
18	1 st floor – northwest bedroom – ceiling – texture	Negative	N/A	STX
19	1 st floor – northwest bedroom – on window – glazing compound	Negative	N/A	MPG
20	2 nd floor – kitchen – on window – glazing compound	Negative	N/A	MPG

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
21	2 nd floor – living room – on window – glazing compound	Negative	N/A	MPG
22	1 st floor – kitchen – west side – gray linoleum	Negative	N/A	MFLy
23	1 st floor – kitchen – east side – gray linoleum	Negative	N/A	MFLy
24	1 st floor – kitchen – center – gray linoleum	Negative	N/A	MFLy
25	1 st floor – south bedroom – white linoleum	Negative	N/A	MFLw
26a	1 st floor – hall – south wall – joint compound	Negative	N/A	MDW
26b	1 st floor – hall – south wall – drywall	Negative	N/A	MDW
27a	1 st floor – hall – ceiling – joint compound	Negative	N/A	MDW
27b	1 st floor – hall – ceiling – drywall	Negative	N/A	MDW
28a	2 nd floor – living room – north wall – joint compound	Negative	N/A	MDW
28b	2 nd floor – living room – north wall – drywall	Negative	N/A	MDW
29	1 st floor – bathroom – on wall – white ceramic tile	Negative	N/A	MCTMw
29	1 st floor – bathroom – on wall – grout	Negative	N/A	MCTMw
30	Basement – stair – stair tread	Negative	N/A	MST
31	2 nd floor – stair landing – gray and red linoleum	Negative	N/A	MFLyr
32a	2 nd floor – bathroom – north wall – pink ceramic tile	Negative	N/A	MCTMp
32b	2 nd floor – bathroom – north wall – grout	Negative	N/A	MCTMp
33a	2 nd floor – bathroom – east wall – pink ceramic tile	Negative	N/A	MCTMp
33b	2 nd floor – bathroom – east wall – white grout	Negative	N/A	MCTMp
33b	2nd floor – bathroom – east wall – brown grout <i>Quantity includes all wall and floor tile</i>	Positive 3% Chrysotile	230 Sq. Ft.	MCTMp
34	2 nd floor – bathroom floor – pink ceramic tile	Negative	N/A	MCTMp
35	2 nd floor – kitchen – under floor tile – yellow and gold linoleum	Negative	N/A	MFLld
36	Attic – stair – brown linoleum	Negative	N/A	MFLn

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,200 Sq. Ft.
1 st	Stair/Kitchen/Hall/ Bedroom/Bathroom	Floor Tile & Mastic	500 Sq. Ft.
1 st	Stair/Bathroom	Floor & Wall Mastic	120 Sq. Ft.
2 nd	Kitchen/Pantry	Floor Tile & Mastic	350 Sq. Ft.
2 nd	Stair/Bathroom	Floor & Wall Mastic	200 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STX	Texture
MPT	Tar Paper
MSCT24	2' x 4' Ceiling Tile
MFLI	Yellow Linoleum
MFLy	Gray Linoleum
MFLw	White Linoleum
MFLyr	Gray & Red Linoleum
MFLld	Yellow & Gold Linoleum

Homogeneous Material Codes

MFLn	Brown Linoleum
MPG	Glazing Compound
MDW	Drywall/Joint Compound
MCTMy	Gray Ceramic Tile
MCTMp	Pink Ceramic Tile
MST	Stair Tread
TFP	Flue Packing
TFP2	Flue Packing #2
TFP3	Flue Packing #3

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS – 1 Furnace in Basement

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

ELECTRICAL SYSTEMS – 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 Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 238379

Account Number: B929

Date Received: 07/22/2014

Received By: Judy Rowan

Date Analyzed: 07/22/2014

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

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

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.1739

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Composite	Tan/Black Insulation	Asbestos Not Present	Cellulose 90	Tar
002	2	Composite	Tan/Black Insulation	Asbestos Not Present	Cellulose 90	Tar
003	3	Composite	Tan/Black Insulation	Asbestos Not Present	Cellulose 90	Tar
004	4	Homogeneous	Gray Plaster	Asbestos Not Present	Cellulose 3	Quartz Sand
005	5	Homogeneous	Gray Plaster	Asbestos Not Present	Cellulose 3	Quartz Sand
006	6	Layered	White Plaster	Asbestos Not Present	NA	Quartz Sand
006a		Layered	Gray Plaster	Asbestos Not Present	Cellulose 4	Quartz Sand

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

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



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Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.1739

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007	7	Homogeneous	Gray Plaster	Asbestos Not Present	Cellulose	2 Quartz Sand
008	8	Homogeneous	Gray Plaster	Asbestos Not Present	Cellulose	3 Quartz Sand
009	9	Layered	White Plaster	Asbestos Not Present	NA	Quartz Sand
009a		Layered	Gray Plaster	Asbestos Not Present	Cellulose	4 Quartz Sand
010	10	Layered	White Plaster	Asbestos Not Present	NA	Quartz Sand
010a		Layered	Gray Plaster	Asbestos Not Present	Cellulose	3 Quartz Sand
011	11	Homogeneous	Gray Plaster	Asbestos Not Present	Cellulose	4 Quartz Sand

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1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.1739

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012	12	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 80	NA	Binder
013	13	Layered	Tan Stucco	Asbestos Not Present	NA	Quartz Sand
013a		Layered	Gray Stucco	Asbestos Not Present	NA	Quartz Sand
014	14	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite Paint
015	15	Homogeneous	White Texture	Asbestos Not Present	NA	Quartz CaCO3 Paint
016	16	Homogeneous	White Texture	Asbestos Not Present	NA	Quartz CaCO3 Paint
017	17	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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 1237 West Bruce St.
 Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.1739

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018	18	Homogeneous	White Texture	Asbestos Not Present	NA	Quartz CaCO3 Paint
019	19	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
020	20	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
021	21	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
022	22	Homogeneous	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 30	Vinyl Foam
023	23	Homogeneous	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 25 Glass Fiber 5	Vinyl Foam
024	24	Homogeneous	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 25 Glass Fiber 5	Vinyl Foam

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Quantem Lab No. 238379

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Methodology: EPA/600/R-93/116

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

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.1739

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
025	25	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 25 Glass Fiber 5	Vinyl Foam
026	26	Laycred	White Joint Compound	Asbestos Not Present	Glass Fiber 50	CaCO3 Paint
026a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
027	27	Layered	White Joint Compound	Asbestos Not Present	Cellulose 70	CaCO3 Paint
027a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
028	2	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
028a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 238379

Account Number: B929

Date Received: 07/22/2014

Received By: Judy Rowan

Date Analyzed: 07/22/2014

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

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

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.1739

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
029	29	Layered	White/Tan Ceramic Tile	Asbestos Not Present	NA	Clay
029a		Layered	White Grout	Asbestos Not Present	NA	Clay CaCO3
030	30	Homogeneous	Black Linoleum	Asbestos Not Present	Cellulose 60	Tar Binder
031	31	Homogeneous	Gray Linoleum	Asbestos Not Present	Cellulose 60	Tar Paint
032	32	Layered	Pink Ceramic Tile	Asbestos Not Present	NA	Clay
032a		Layered	White Grout	Asbestos Not Present	NA	Clay CaCO3
033	33	Layered	Pink Ceramic Tile	Asbestos Not Present	NA	Clay

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

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



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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 238379

Account Number: B929

Date Received: 07/22/2014

Received By: Judy Rowan

Date Analyzed: 07/22/2014

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

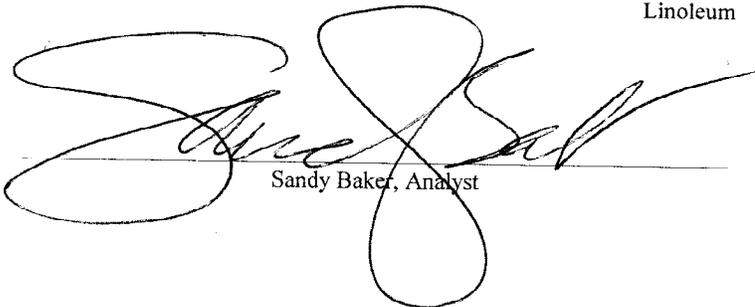
Client: Harenda Management Group
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Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.1739

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
033a		Layered	White Grout	Asbestos Not Present	NA	Clay CaCO3
033b		Layered	Brown Grout	Asbestos Present Chrysotile 3	NA	Binder
034	34	Homogeneous	Pink Ceramic Tile	Asbestos Not Present	NA	Clay
035	35	Homogeneous	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 30	Vinyl Foam
036	36	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 60	Tar Paint



Sandy Baker, Analyst

7/22/2014

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

For Lab Use Only
 Lab No. 238379
 Accept Reject
 Report Results one box
 QuanTEM Website
 Other_email _____

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone: _____	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 14-200-042.1739	
SAMPLED BY: _____	Name: _____	P.O. Number: _____	

RELINQUISHED BY <i>[Signature]</i>	DATE & TIME <u>7/21/14 1800</u>	VIA <u>Fed Ex</u>	RECEIVED BY <i>Judy Raven</i>	DATE & TIME <u>7/22/14 9:50</u>
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REQUESTED SERVICES (Please the Appropriate Boxes)

	PLM		PLM		TEM		TEM		TURNAROUND TIME	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bulk Analysis (EPA 600/R-93/116)	<input checked="" type="checkbox"/>	Vermiculite Atmic 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 checked="" type="checkbox"/>	
Gravimetric Preparation	<input type="checkbox"/>	PCM		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		Waste Water- EPA 600/4-83-043	<input type="checkbox"/>	Other	<input type="checkbox"/>	5 - Day	<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 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. 238379

Accept Reject

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



ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 238329
 Accept Reject

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

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

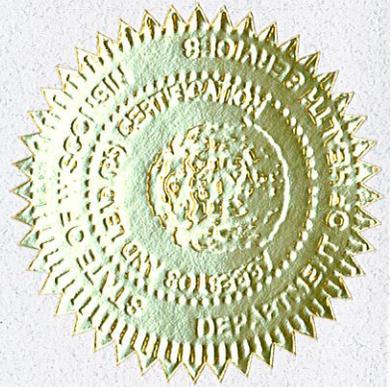
Asbestos Company - Primary

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

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



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN
Dept. of Health Services

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

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

Training due by: 03/19/2015



ASBESTOS INSPECTION REPORT

Job Site:

**Two Family Dwelling
2217-19 West Clarke Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-042.2217
Contract No.: 360-14-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

July 2014

TABLE OF CONTENTS

I. Introduction.....2

II. Building Survey2

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

IV. Findings and Observations.....3

V. Exclusions.....5

VI. Limitations5

VII. Pre-Demolition Environmental Checklist.....6

VIII. Laboratory Results10

IX. HMG Certifications11

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 2217-19 West Clarke Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On July 24, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 2217-19 West Clarke Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – south wall under wood siding – tar paper	Negative	N/A	MPT
2	Exterior – east wall under wood siding – tar paper	Negative	N/A	MPT
3	Exterior – north wall under wood siding – tar paper	Negative	N/A	MPT
4	Exterior – on columns – stucco	Negative	N/A	STC
5	Exterior – on columns – stucco	Negative	N/A	STC
6	Exterior – on columns – stucco	Negative	N/A	STC
7	Basement – on east side of chimney – gray flue packing	Negative	N/A	TFPy
8	Basement – on south side of chimney – dark gray flue packing	Negative	N/A	TFPydark
9	1 st floor – dining room – ceiling – texture	Negative	N/A	STX
10	1 st floor – hall – ceiling – texture	Negative	N/A	STX
11	1 st floor – kitchen – ceiling – texture	Negative	N/A	STX
12a	2 nd floor – stair – west wall – texture	Negative	N/A	STX
12b	2 nd floor – stair – west wall – texture layer 2	Negative	N/A	STX
12c	2 nd floor – stair – west wall – texture layer 3	Negative	N/A	STX
13	2 nd floor – dining room – ceiling – texture	Negative	N/A	STX
14a	1 st floor – south bedroom – east wall – plaster skim coat	Negative	N/A	SPI
14b	1 st floor – south bedroom – east wall – plaster base coat	Negative	N/A	SPI
15a	1 st floor – dining room – ceiling – plaster skim coat	Negative	N/A	SPI
15b	1 st floor – dining room – ceiling – plaster base coat	Negative	N/A	SPI
16a	1 st floor – kitchen – north wall – plaster skim coat	Negative	N/A	SPI
16b	1 st floor – kitchen – north wall – plaster base coat	Negative	N/A	SPI
17a	1 st floor – north bedroom – south wall – plaster skim coat	Negative	N/A	SPI
17b	1 st floor – north bedroom – south wall – plaster base coat	Negative	N/A	SPI
18a	2 nd floor – kitchen – west wall – plaster skim coat	Negative	N/A	SPI
18b	2 nd floor – kitchen – west wall – plaster base coat	Negative	N/A	SPI
19	2 nd floor – living room – north wall – plaster base coat	Negative	N/A	SPI
20	2 nd floor – stair – west wall – plaster base coat	Negative	N/A	SPI
21	1 st floor – entry – brown linoleum	Negative	N/A	MFLn

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
22	1 st floor – bathroom – white linoleum	Negative	N/A	MFLw
23a	1 st floor – living room – on wall – white ceramic tile	Negative	N/A	MCTMw
23b	1 st floor – living room – on wall – grout	Negative	N/A	MCTMw
24a	1 st floor – dining room – north wall – joint compound	Negative	N/A	MDW
24b	1 st floor – dining room – north wall – joint compound	Negative	N/A	MDW
25a	1 st floor – living room – south wall – joint compound	Negative	N/A	MDW
25b	1 st floor – living room – south wall – joint compound	Negative	N/A	MDW
27	1 st floor – pantry – under floor tile – yellow linoleum	Positive 25% Chrysotile	15 Sq. Ft.	MFLI
28	2 nd floor – pantry – under floor tile – tan linoleum	Negative	N/A	MFLt
29	2 nd floor – hall – under floor tile – gold linoleum	Negative	N/A	MFLd
30	2 nd floor – bathroom – blue linoleum	Negative	N/A	MFLb

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	Entry/Living Room/Bathroom	Floor & Wall Mastic	70 Sq. Ft.
1 st	Hall/Kitchen/Pantry	Floor Tile & Mastic	180 Sq. Ft.
1 st	Stair	Stair Tread	60 Sq. Ft.
2 nd	Stair/Pantry/Hall	Floor Tile & Mastic	70 Sq. Ft.
2 nd	Kitchen/Bathroom	Floor Mastic	180 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STC	Stucco
STX	Texture
MPT	Tar Paper
MFLn	Brown Linoleum
MFLI	Yellow Linoleum
MFLt	Tan Linoleum
MFLd	Gold Linoleum
MFLb	Blue Linoleum
MCTMw	White Ceramic Tile
MDW	Drywall/Joint Compound
TFPy	Gray Flue Packing
TFPydark	Dark Gray Flue Packing

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS – 1 Furnace in Basement

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

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 2 Gas Meters in Basement

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. 238590	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/25/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/29/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2217

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 Plaster	Asbestos Not Present	NA	Quartz Sand Paint
005	5	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand Paint
006	6	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand Paint
007	7	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand 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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Polarized Light Microscopy Asbestos Analysis Report

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Account Number: B929	Jolene Harenda
Date Received: 07/25/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/29/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2217

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand Binder
009	9	Homogeneous	White Ceiling Texture	Asbestos Not Present	NA	CaCO3 Paint
010	10	Homogeneous	White Ceiling Texture	Asbestos Not Present	NA	CaCO3 Paint
011	11	Homogeneous	White Ceiling Texture	Asbestos Not Present	NA	CaCO3 Paint
012	12	Layered	White Ceiling Texture	Asbestos Not Present	NA	CaCO3 Paint
012a		Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum CaCO3
012b		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand

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Polarized Light Microscopy Asbestos Analysis Report

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Date Analyzed: 07/29/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2217

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

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 238590	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/25/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/29/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2217

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
017	17	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum CaCO3 Paint
017a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Perlite CaCO3
018	18	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum CaCO3 Paint
018a		Laycred	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
019	19	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
020	20	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand

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Polarized Light Microscopy Asbestos Analysis Report

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Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/29/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2217

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
021	21	Homogeneous	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 25 Glass Fiber 5	Vinyl Foam
022	22	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 25 Glass Fiber 5	Vinyl Foam
023	23	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
023a		Layered	Gray Grout	Asbestos Not Present	NA	Quartz Clay
024	24	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
024a		Layered	Light Gray Sheetrock	Asbestos Not Present	Cellulose 30 Glass Fiber 2	Gypsum
025	25	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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

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Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2217

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
025a		Layered	White Shcctrock	Asbestos Not Present	Cellulose 30	Gypsum
026	27	Layered	Brown Sheet Vinyl	Asbestos Present Chrysotile 25	Cellulose 5	Vinyl Foam
026a		Layered	Tan/Green Linoleum	Asbestos Not Present	Cellulose 60	Tar Cork
027	28	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 60	Tar Cork
028	29	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 25 Glass Fiber 5	Vinyl Foam
029	30	Homogeneous	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 25 Glass Fiber 5	Vinyl Foam

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

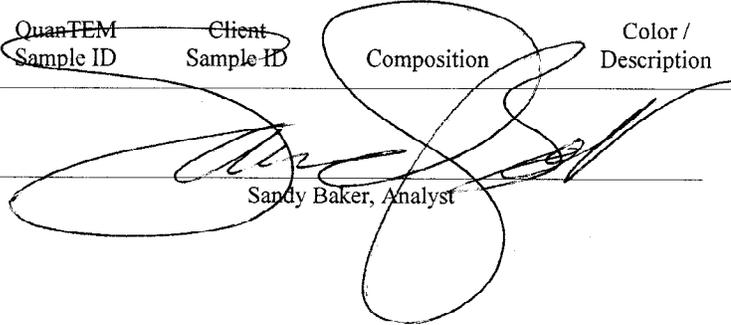
QuanTEM is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP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



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 238590	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/25/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/29/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2217

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
				7/29/2014		
Sandy Baker, Analyst				Date of Report		

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

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



LABORATORIES
www.QuanTEM.com

ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Contact Information Company: Harenda Management Group Contact: Dean Jacobsen Account #: B929 Phone: (414) 383-4800 Cell Phone: E-mail: djacobsen@harenda.com Date:		Project Information Project Name: DNS Project Location: Milwaukee, WI Project ID: 14-200-042.2217 P.O. Number:	
For Lab Use Only Lab No. 238590 <input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject		Report Results (<input checked="" type="checkbox"/> one box) <input checked="" type="checkbox"/> QuanTEM Website <input type="checkbox"/> Other_email	

RELINQUISHED BY 	DATE & TIME 7/24/14 1800	VIA FedEx	RECEIVED BY Judy Rawen	DATE & TIME 7/25/14 9:50
----------------------------	--	---------------------	----------------------------------	--

REQUESTED SERVICES (Please <input checked="" type="checkbox"/> the Appropriate Boxes)					Description	Volume / Area (as applicable)	Comments / Notes
PLM	PLM	TEM	TEM	TEM			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bulk Analysis (EPA 600/R-93/116)		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	400 Point Count		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1000 Point Count		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gravimetric Preparation		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Particle ID		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<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"/>	Other		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PCM		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NIOSH 7400		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Air-AHERA		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Air-NIOSH 7402		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Air-ISO 10312		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Drinking Water- EPA 100.2		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Waste Water- EPA 600/4-83-043		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bulk- Presence / Absence EPA600/R-93/116		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bulk- Quantitative [weight%]- Chatfield		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Dust- Presence / Absence		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Dust- Quantitative [fibers/sq.cm]- ASTM D5755		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other		



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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only

Lab No. 238590

Accept Reject

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

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

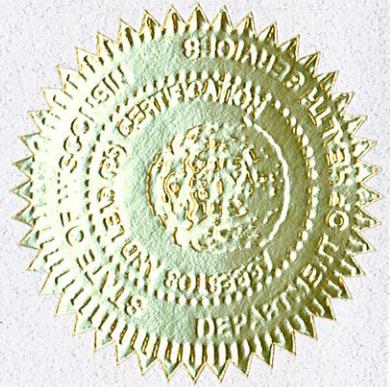
Asbestos Company - Primary

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

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN
Dept. of Health Services

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

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

Training due by: 03/19/2015



ASBESTOS INSPECTION REPORT

Job Site:

**One Family Rear Dwelling
2417 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.: 14-200-042.2417R
Contract No.: 360-14-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

June 2014

TABLE OF CONTENTS

I. Introduction.....2

II. Building Survey2

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

IV. Findings and Observations.....3

V. Exclusions.....4

VI. Limitations4

VII. Pre-Demolition Environmental Checklist.....6

VIII. Laboratory Results10

IX. HMG Certifications11

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 2417 North 21st Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On May 19, 2014 HMG conducted an asbestos inspection of a one family rear dwelling, scheduled for mechanical demolition, located at 2417 North 21st Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	1 st floor – kitchen – west wall – plaster	Negative	N/A	SPI
2	1 st floor – living room – east wall – plaster	Negative	N/A	SPI
3a	1 st floor – entry – south wall – patch layer	Negative	N/A	SPI
3b	1 st floor – entry – south wall – plaster	Negative	N/A	SPI
4	2 nd floor – attic – west wall – drywall	Negative	N/A	MDW
5	2 nd floor – attic – east wall – drywall	Negative	N/A	MDW
6	1 st floor – living room – north wall – drywall	Negative	N/A	MDW
7a	1 st floor – kitchen floor – west side – beige ceramic tile	Negative	N/A	MCTMe
7b	1 st floor – kitchen floor – west side – under ceramic tile – mortar	Negative	N/A	MCTMe
7c	1 st floor – kitchen floor – west side – grout	Negative	N/A	MCTMe
8a	1 st floor – kitchen floor – east side – beige ceramic tile	Negative	N/A	MCTMe
8b	1 st floor – kitchen floor – east side – under ceramic tile – mortar	Negative	N/A	MCTMe
8c	1 st floor – kitchen floor – east side – grout	Negative	N/A	MCTMe
9a	1 st floor – bathroom floor – beige ceramic tile	Negative	N/A	MCTMe
9b	1 st floor – bathroom floor – under ceramic tile – mortar	Negative	N/A	MCTMe
9c	1 st floor – bathroom floor – grout	Negative	N/A	MCTMe
9d	1 st floor – bathroom floor – leveling compound	Negative	N/A	MCTMe
10	1 st floor – kitchen – on window – glazing compound	Negative	N/A	MPG
11	1 st floor – living room – on window – glazing compound	Negative	N/A	MPG
12	Attic – on window – glazing compound	Negative	N/A	MPG
13a	1 st floor – bathroom – north wall – white ceramic tile	Negative	N/A	MCTMw
13b	1 st floor – bathroom – north wall – grout	Negative	N/A	MCTMw
14a	1 st floor – bathroom – east wall – white ceramic tile	Negative	N/A	MCTMw
14b	1 st floor – bathroom – east wall – grout	Negative	N/A	MCTMw
15a	1 st floor – bathroom – south wall – white ceramic tile	Negative	N/A	MCTMw
15b	1 st floor – bathroom – south wall – grout	Negative	N/A	MCTMw
16a	2 nd floor – stair – south wall – texture	Negative	N/A	STX
16b	2 nd floor – stair – south wall – texture layer 2	Negative	N/A	STX

Notes: N/A = Not Applicable

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	600 Sq. Ft.
1 st	Bathroom	Wall Mastic	250 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STX	Texture
MCTMe	Beige Ceramic Tile
MCTMw	White Ceramic Tile
MDW	Drywall
MPG	Window Glazing Compound

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS – 1 Furnace in Basement

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

ELECTRICAL SYSTEMS – 1 Breaker Box in Basement

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 235806	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/22/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 05/23/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2417R

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	White Plaster	Asbestos Not Present	NA	Gypsum Perlite
002	2	Homogeneous	White Plaster	Asbestos Not Present	NA	Gypsum Perlite
003	3	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint
003a		Layered	White Plaster	Asbestos Not Present	NA	Gypsum Perlite
004	4	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose	2 Gypsum Paint
005	5	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose	3 Gypsum Paint
006	6	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose	3 Gypsum Paint

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Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2417R

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007	7	Layered	Beige Ceramic Tile	Asbestos Not Present	NA	Clay
007a		Layered	White Texture	Asbestos Not Present	NA	CaCO3
007b		Layered	Brown Grout	Asbestos Not Present	NA	Sand CaCO3
008	8	Layered	Beige Ceramic Tile	Asbestos Not Present	NA	Clay
008a		Layered	White Texture	Asbestos Not Present	NA	CaCO3
008b		Layered	Brown Grout	Asbestos Not Present	NA	Sand CaCO3
009	9	Layered	Beige Ceramic Tile	Asbestos Not Present	NA	Clay

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Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2417R

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
009a		Layered	White Texture	Asbestos Not Present	NA	CaCO3
009b		Layered	White Grout	Asbestos Not Present	NA	CaCO3 Binder
009c		Layered	Tan Plaster	Asbestos Not Present	NA	Sand Gypsum CaCO3
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	White Window Glazing	Asbestos Not Present	NA	CaCO3
013	13	Laycred	White Ceramic Tile	Asbestos Not Present	NA	Clay

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Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2417R

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013a		Layered	White Mastic	Asbestos Not Present	NA	Glue CaCO3 Binder
014	14	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
014a		Layered	White Mastic	Asbestos Not Present	NA	CaCO3 Glue Binder
015	15	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
015a		Layered	White Mastic	Asbestos Not Present	NA	Glue CaCO3 Binder
016	16	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
016a		Layered	White Texture	Asbestos Not Present	NA	Gypsum Perlite Paint

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

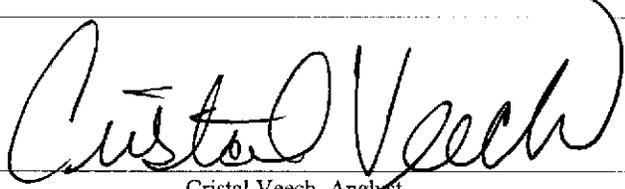
Quantem is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP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



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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 235806	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/22/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 05/23/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2417R

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
 Cristal Veech, Analyst			5/23/2014 Date of Report			

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

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 Lab No. 235806
 Accept Reject

Report Results (one box)
 QuanTEM Website
 Other_email _____

Contact Information
 Company: Harenda Management Group
 Contact: Dean Jacobsen
 Account #: B929
 Phone: (414) 383-4800
 Cell Phone:
 E-mail: djacobsen@harenda.com
 Date:
 Project Name: DNS
 Project Location: Milwaukee, WI
 Project ID: 14-200-042.2417R
 P.O. Number:

Project Information
 Project Name: DNS
 Project Location: Milwaukee, WI
 Project ID: 14-200-042.2417R
 P.O. Number:

RELINQUISHED BY <i>[Signature]</i>	DATE & TIME 5/24/14 1300	VIA FedEx	RECEIVED BY <i>[Signature]</i>	DATE & TIME 5-22-14 10:00
---------------------------------------	-----------------------------	--------------	-----------------------------------	------------------------------

REQUESTED SERVICES (Please the Appropriate Boxes)

PLM	PLM	PLM	TEM		TEM		TURNAROUND TIME
			Air- AHERA	Air- NIOSH 7402	Bulk- Presence / Absence EPA600/R-93/116	Bulk- Quantitative (weight%) - Chatfield	
<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"/> Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Particle ID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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



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Page 2 of 2

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Lab No. <u>22500</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

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

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

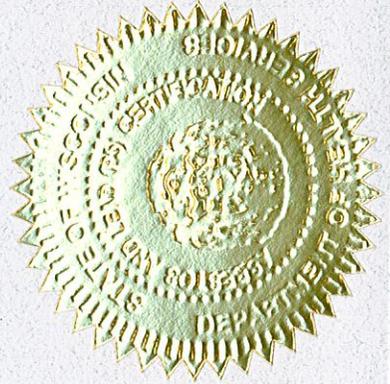
Asbestos Company - Primary

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

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



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN
Dept. of Health Services

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

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

Training due by: 03/19/2015



ASBESTOS INSPECTION REPORT

Job Site:

**One Family Dwelling
2641 North 24th Place
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-042.2641
Contract No.: 360-14-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

August 2014

TABLE OF CONTENTS

I. Introduction.....2

II. Building Survey2

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

IV. Findings and Observations.....3

V. Exclusions.....4

VI. Limitations4

VII. Pre-Demolition Environmental Checklist.....5

VIII. Laboratory Results9

IX. HMG Certifications10

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 2641 North 24th Place, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On August 11, 2014 HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 2641 North 24th Place, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

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

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, linoleum, duct paper, flue packing, and window glazing compound. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1a	Basement – on chimney top layer – tan flue packing	Negative	N/A	TFPt
1b	Basement – on chimney bottom layer – gray flue packing	Negative	N/A	TFPy
2	Basement – on boot – duct paper	Positive 50% Chrysotile	5 Sq. Ft.	TDW
3	1 st floor – living room – on window – glazing compound	Negative	N/A	MPG
4	1 st floor – dining room – on window – glazing compound	Negative	N/A	MPG
5	Basement – on window – glazing compound	Negative	N/A	MPG
6	1 st floor – living room – east wall – plaster	Negative	N/A	SPI
7	1 st floor – dining room – west wall – plaster	Negative	N/A	SPI
8	1 st floor – east bedroom – north wall – plaster	Negative	N/A	SPI
9	1 st floor – stair – south wall – plaster	Negative	N/A	SPI
10	1 st floor – kitchen – north wall – plaster	Negative	N/A	SPI
11	1 st floor – stair – under floor tile – yellow linoleum	Negative	N/A	MFLI
12	1 st floor – bathroom – yellow linoleum	Negative	N/A	MFLI
13	Attic – yellow linoleum	Negative	N/A	MFLI

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	Kitchen/Stair/Pantry	Floor Tile & Mastic	180 Sq. Ft.
1 st	Bathroom	Floor Mastic	40 Sq. Ft.
Attic	Main Room	Floor Mastic	100 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MPG	Glazing Compound
MFLI	Yellow Linoleum
TFPt	Tan Flue Packing
TFPy	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 – Living Room
<u>N/A</u>	Aquastats
<u>N/A</u>	Firestats
<u>N/A</u>	Manometers
<u>N/A</u>	Thermometers

BOILERS, FURNACES, HEATERS AND TANKS – 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 in Basement

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 239313	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 08/12/2014	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 08/13/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Layered	Tan Stucco	Asbestos Not Present	NA	Quartz CaCO3
001a		Layered	Gray Stucco	Asbestos Not Present	NA	Quartz CaCO3
002	2	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 50	Cellulose 45	Binder
003	3	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3
004	4	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
005	5	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
006	6	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3

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. 239313	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 08/12/2014	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 08/13/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007	7	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
008	8	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
009	9	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
010	10	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
011	11	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 30	Vinyl
012	12	Homogeneous	Yellow Sheet Vinyl	Asbestos Not Present	Cellulose 15 Synthetic 15	Vinyl
013	13	Homogeneous	Yellow Sheet Vinyl	Asbestos Not Present	Cellulose 15 Synthetic 15	Vinyl

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

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



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 239313
Account Number: B929

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

Date Received: 08/12/2014
Received By: Leigh Armstrong
Date Analyzed: 08/13/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.

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

Gayle Ooten, Analyst

8/13/2014
Date of Report

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

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



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 Lab No. 239313
 Accept Reject

Report Results (one box)
 QuanTEM Website
 Other email _____

Contact Information		Project Information	
Company: Harendra Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harendra.com	Project ID: 14-200-042.	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Eric Christensen</i>	<i>3/14 3:12</i>		<i>L. Hany</i>	<i>8/12/14 9:45</i>

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	Air- NIOSH 7402	Bulk- Presence / Absence EPA600/R-93/116	Bulk- Quantitative [weight%]- Chatfield	
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Rush
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Same Day
<input type="checkbox"/> 1000 Point Count	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 24 - Hour
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<input type="checkbox"/> Particle ID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
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2		<input type="checkbox"/>			
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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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Page 2 of 2

For Lab Use Only

Lab No. 239313

Accept Reject

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

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

Asbestos Company - Primary

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

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



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN
Dept. of Health Services

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

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

Training due by: 03/19/2015



ASBESTOS INSPECTION REPORT

Job Site:

**One Family Dwelling
2743 North 1st 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.: 14-200-042.2743
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

August 2014

TABLE OF CONTENTS

I. Introduction.....2

II. Building Survey2

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

IV. Findings and Observations.....3

V. Exclusions.....4

VI. Limitations4

VII. Pre-Demolition Environmental Checklist.....6

VIII. Laboratory Results10

IX. HMG Certifications11

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 2743 North 1st Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On August 7, 2014 HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 2743 North 1st Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

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

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, texture, magnesia insulation, drywall/joint compound, and window glazing compound. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Basement – <5” diameter magnesia pipe insulation 100 sq. ft. of basement floor contaminated	Positive 15% Chrysotile	60 Ln. Ft.	TM5
2a	Basement – north wall – plaster skim coat	Negative	N/A	SPI
2b	Basement – north wall – plaster base coat	Negative	N/A	SPI
3a	1 st floor – living room – north wall – plaster skim coat	Negative	N/A	SPI
3b	1 st floor – living room – north wall – plaster base coat	Negative	N/A	SPI
4a	1 st floor – kitchen – east wall – plaster skim coat	Negative	N/A	SPI
4a	1 st floor – kitchen – east wall – plaster base coat	Negative	N/A	SPI
5a	1 st floor – pantry – west wall – plaster skim coat	Negative	N/A	SPI
5b	1 st floor – pantry – west wall – plaster base coat	Negative	N/A	SPI
6	2 nd floor – east bedroom – north wall – plaster skim coat	Negative	N/A	SPI
7	1 st floor – living room – north wall – texture	Negative	N/A	STX
8	1 st floor – kitchen – east wall – texture	Negative	N/A	STX
9	1 st floor – pantry – west wall – texture	Negative	N/A	STX
10	2 nd floor – kitchen – ceiling – texture	Negative	N/A	STX
11	2 nd floor – east bedroom – north wall – texture	Negative	N/A	STX
12a	1 st floor – bathroom – under floor tile – white ceramic tile	Negative	N/A	MCTMw
12b	1 st floor – bathroom – under floor tile – grout	Negative	N/A	MCTMw
13a	1 st floor – bathroom – east wall – joint compound	Negative	N/A	MDW
13b	1 st floor – bathroom – east wall – drywall	Negative	N/A	MDW
14a	2 nd floor – bathroom – east wall – joint compound	Negative	N/A	MDW
14b	2 nd floor – bathroom – east wall – drywall	Negative	N/A	MDW
15a	2 nd floor – living room – west wall – joint compound	Negative	N/A	MDW
15b	2 nd floor – living room – west wall – drywall	Negative	N/A	MDW
16	1 st floor – living room – on window – glazing compound	Negative	N/A	MPG
17	1 st floor – dining room – on window – glazing compound	Negative	N/A	MPG
18	2 nd floor – living room – on window – glazing compound	Negative	N/A	MPG

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,000 Sq. Ft.
1 st /2 nd	Dwelling	Asphalt Shingle Siding	2,800 Sq. Ft.
1 st	Pantry/Kitchen/Bathroom	Floor Tile & Mastic	300 Sq. Ft.
2 nd	Kitchen/Pantry/Bathroom/Bedroom	Floor Tile & Mastic	600 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STX	Texture
MPG	Glazing Compound
MDW	Drywall/Joint Compound
MCTMw	White Ceramic Tile
TM5	<5" Diameter Magnesia Pipe Insulation

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

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

<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. 239316	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 08/12/2014	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 08/13/2014	Project: DNS
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.

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

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

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



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Methodology: EPA/600/R-93/116	Project Number: 14-200-042.

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
005	5	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
005a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
006	6	Homogeneous	Gray Plaster	Asbestos Not Present	Hair <1	Quartz CaCO3
007	7	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
008	8	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
009	9	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
010	10	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
011	11	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
012	12	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
012a		Layered	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
013	13	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
013a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
014	14	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
014a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum

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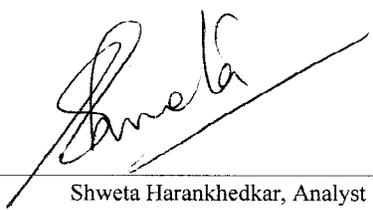


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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	15	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
015a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
016	16	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
017	17	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
018	18	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3


 Shweta Harankhedkar, Analyst

8/13/2014
 Date of Report

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

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ASBESTOS CHAIN OF CUSTODY

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

LABORATORIES
 www.QuanTEM.com

For Lab Use Only
 Lab No. 239316
 Accept Reject

Report Results one box
 QuanTEM Website
 Other_email

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 14-200-042	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
			<i>[Signature]</i>	8/12/14 9:45

REQUESTED SERVICES (Please the Appropriate Boxes)

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

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



ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. <u>239316</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

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

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

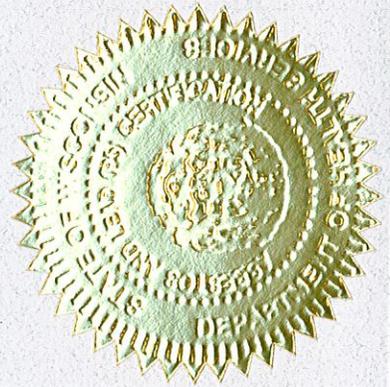
Asbestos Company - Primary

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

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Division of Public Health
Bureau of Environmental and Occupational Health
Asbestos & Lead Section
PO Box 2659
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Phone: (608) 261-6876



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Dept. of Health Services

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Training due by: 03/19/2015



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Prepared by:

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August 2014

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

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On August 4, 2014 HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 3443 North 24th Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.

The inspection was comprised of three elements:

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

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

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

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, texture, fiberboard, tar paper, flue packing, drywall/joint compound, and blown in insulation. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – east wall under fiberboard – tar paper	Negative	N/A	MPT
2	Exterior – north wall under fiberboard – tar paper	Negative	N/A	MPT
3	Exterior – west wall under fiberboard – fiberboard	Negative	N/A	MPT
4	Exterior – east wall under aluminum siding – fiberboard	Negative	N/A	MFB
5	Exterior – north wall under aluminum siding – fiberboard	Negative	N/A	MFB
6	Exterior – west wall under aluminum siding – fiberboard	Negative	N/A	MFB
7a	Basement – on chimney top layer – gray flue packing	Negative	N/A	TFPy
7b	Basement – on chimney bottom layer – tan flue packing	Negative	N/A	TFPy
8	1 st floor – living room – on window – glazing compound	Negative	N/A	MPG
9	1 st floor – dining room – on window – glazing compound	Negative	N/A	MPG
10	1 st floor – bedroom – on window – glazing compound	Negative	N/A	MPG
11	1 st floor – living room – ceiling – texture	Negative	N/A	STX
12	1 st floor – living room – west wall – texture	Negative	N/A	STX
13	1 st floor – entry – ceiling – texture	Negative	N/A	STX
14	1 st floor – entry – west wall – plaster	Negative	N/A	SPI
15a	1 st floor – living room – east wall – plaster skim coat	Negative	N/A	SPI
15b	1 st floor – living room – east wall – plaster base coat	Negative	N/A	SPI
16a	1 st floor – dining room – south wall – plaster skim coat	Negative	N/A	SPI
16b	1 st floor – dining room – south wall – plaster base coat	Negative	N/A	SPI
17	1 st floor – dining room – ceiling – plaster	Negative	N/A	SPI
18a	1 st floor – back hall – south wall – plaster skim coat	Negative	N/A	SPI
18b	1 st floor – back hall – south wall – plaster base coat	Positive 2% Chrysotile	N/A	SPI
18b	POINT COUNT RESULT	Positive 2% Chrysotile	4,200 Sq. Ft.	SPI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
19a	Attic – west wall – joint compound	Negative	N/A	MDW
19b	Attic – west wall – drywall	Negative	N/A	MDW
20a	Attic – east wall – joint compound	Negative	N/A	MDW
20b	Attic – east wall – drywall	Negative	N/A	MDW
21a	Attic – south wall – joint compound	Negative	N/A	MDW
21b	Attic – south wall – drywall	Negative	N/A	MDW
22	Attic – east side – blown in insulation	Negative	N/A	MBI
23	Attic – west side – blown in insulation	Negative	N/A	MBI
24	Attic – center – blown in insulation	Negative	N/A	MBI
25	1 st floor – bathroom – brown linoleum	Negative	N/A	MFLn

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	1,100 Sq. Ft.
1 st	Kitchen/Bathroom/Pantry/Stair	Floor Tile & Mastic	210 Sq. Ft.
1 st	Kitchen	Wall Mastic	200 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STX	Texture
MFB	Fiberboard
MPT	Tar Paper
MPG	Glazing Compound
MDW	Drywall/Joint Compound
MFLn	Brown Linoleum
MBI	Blown in Insulation
TFPy	Gray Flue Packing
TFPt	Tan Flue Packing

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS – 1 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 on Basement

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 239319	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 08/12/2014	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 08/13/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.

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	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
003	3	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
004	4	Homogeneous	Brown Wallboard	Asbestos Not Present	Cellulose 100	
005	5	Homogeneous	White Wallboard	Asbestos Not Present	Cellulose 100	
006	6	Homogeneous	Brown Wallboard	Asbestos Not Present	Cellulose 100	
007	7	Layered	Gray Skim Coat	Asbestos Not Present	Wollastonite 10	CaCO3

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

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



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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 239319	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 08/12/2014	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 08/13/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007a		Layered	Tan Plaster	Asbestos Not Present	NA	Sand CaCO3
008	8	Homogeneous	Tan Window Glazing	Asbestos Not Present	Wollastonite	3 CaCO3
009	9	Homogeneous	Tan Window Glazing	Asbestos Not Present	Wollastonite	3 CaCO3
010	10	Homogeneous	Tan Window Glazing	Asbestos Not Present	Wollastonite	3 CaCO3
011	11	Homogeneous	White Texture	Asbestos Not Present	Wollastonite Synthetic Talc	2 Gypsum 2 Paint 2
012	12	Homogeneous	White Texture	Asbestos Not Present	Wollastonite Synthetic Talc	2 Gypsum 2 Paint 2
013	13	Homogeneous	White Texture	Asbestos Not Present	Wollastonite Synthetic Talcq	2 Gypsum 2 Paint 2

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 239319	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 08/12/2014	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 08/13/2014	Project: DNS
Analyzed By: Cristal Vecch	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Homogeneous	Gray Plaster	Asbestos Not Present	Hair 2	Sand Gypsum Paint
015	15	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint
015a		Layered	Gray Plaster	Asbestos Not Present	Hair 2	Sand Gypsum
016	16	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum
016a		Layered	White Plaster	Asbestos Not Present	Hair 2	Sand Gypsum
017	17	Homogeneous	Tan Plaster	Asbestos Not Present	NA	Sand Gypsum Paint

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 239319	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 08/12/2014	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 08/13/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018	18	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand Gypsum
018a		Layered	White Plaster	Asbestos Present Chrysotile 2	NA	Sand Gypsum
019	19	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
019a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 2	Gypsum
020	20	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Perlite Paint
020a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 5	Gypsum
021	21	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 239319

Account Number: B929

Date Received: 08/12/2014

Received By: Leigh Armstrong

Date Analyzed: 08/13/2014

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

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

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
021a		Layered	White Sheetrock	Asbestos Not Present	NA	Gypsum
022	22	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
023	23	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
024	24	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
025	25	Layered	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
025a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue

Cristal Veech, Analyst

8/13/2014
Date of Report

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ASBESTOS CHAIN OF CUSTODY

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 239319
 Accept Reject
 Report Results (one box)
 QuanTEM Website
 Other_email _____

Project Information
 Project Name: DNS
 Project Location: Milwaukee, WI
 Project ID: 14-200-042
 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: _____

SAMPLED BY: Name: _____
 RELINQUISHED BY: Eric Chastain DATE & TIME: 8/11/14 3:24 VIA: Fedex
 RECEIVED BY: [Signature] DATE & TIME: 8/12/14 9:45

REQUESTED SERVICES (Please the Appropriate Boxes)

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	PLM		TEM		TEM		TURNAROUND TIME	Comments / Notes
					<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> 1000 Point Count	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Other	<input type="checkbox"/> Air- AHERA		
1		<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2		<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3		<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4		<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5		<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6		<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7		<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8		<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9		<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10		<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



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For Lab Use Only
Lab No. <u>239319</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI			
No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11		<input checked="" type="checkbox"/>				
12		<input type="checkbox"/>				
13		<input type="checkbox"/>				
14		<input type="checkbox"/>				
15		<input type="checkbox"/>				
16		<input type="checkbox"/>				
17		<input type="checkbox"/>				
18		<input type="checkbox"/>				
19		<input type="checkbox"/>				
20		<input type="checkbox"/>				
21		<input type="checkbox"/>				
22		<input type="checkbox"/>				
23		<input type="checkbox"/>				
24		<input checked="" type="checkbox"/>				
25		<input checked="" type="checkbox"/>				
26		<input type="checkbox"/>		Extra sample in bag labeled 11-3443, Didn't match description on COC.		
27		<input type="checkbox"/>		-1A		
28		<input type="checkbox"/>		Spoke with Eric. He said change #11 Flooring to #25 and add to COC IR 9:20 8/13		
29		<input type="checkbox"/>				
30		<input type="checkbox"/>				



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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 239679

Account Number: B929

Date Received: 08/19/2014

Received By: Sherrie Leftwich

Date Analyzed: 08/19/2014

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

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

Project: PTCT for 239319, DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.3443

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	18	Homogeneous	White Plaster	Asbestos Present Chrysotile 2.00 400 Point Count	NA	

Cristal Veech, Analyst

8/19/2014
Date of Report

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

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 239679
 Accept Reject

Report Results one box
 QuanTEM Website
 Other email

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 14-200-042.3443	
SAMPLED BY: [Signature]	Name:	PO Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
[Signature]	8/18/14 1700	Email	[Signature]	8/20/14 10:55

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-04/904)	<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.cmi)- ASTM D5755	<input type="checkbox"/> 3 - Day
<input type="checkbox"/> Particle ID	NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	Other	<input type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1	18	<input checked="" type="checkbox"/>	white plaster		Quantem Lab #239319
2		<input type="checkbox"/>			
3		<input type="checkbox"/>			
4		<input type="checkbox"/>			
5		<input type="checkbox"/>			
6		<input type="checkbox"/>			
7		<input type="checkbox"/>			
8		<input type="checkbox"/>			
9		<input type="checkbox"/>			
10		<input type="checkbox"/>			

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

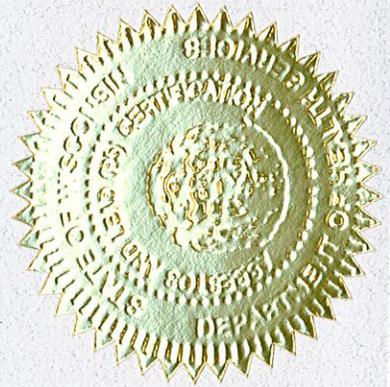
Asbestos Company - Primary

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

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



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN
Dept. of Health Services

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

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

Training due by: 03/19/2015